

# DUMPS ARENA

## Troubleshooting Cisco Data Center Infrastructure (300-615 DCIT)

Cisco 300-615

Version Demo

Total Demo Questions: 15

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## Topic Break Down

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Topic 1, New Update	97
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Topic 6, Management and Operations	20
<b>Total</b>	<b>217</b>

## QUESTION NO: 1

```
vrf context BLUE
  address-family ipv4 unicast
  route-target export 65000:65000
vrf context RED
  address-family ipv4 unicast
  route-target import 65000:65000
|
interface Vlan1000
  no shutdown
  vrf member RED
  no ip redirects
  ip address 10.10.1.254/24
|
ip prefix-list RED_TO_BLUE_PL seq 5 permit 10.10.1.254/24
|
route-map RED_TO_BLUE_RM permit 10
  match ip address RED_TO_BLUE_PL
  set community 65500:65000
|
router bgp 65000
  log-neighbor-changes
  address-family ipv4 unicast
  vrf RED
    router-id 10.255.255.255
    address-family ipv4 unicast
      redistribute direct route-map RED_TO_BLUE_RM
|
```

Refer to the exhibit. The expected routes are not being leaked as expected from VRF RED to VRF BLUE. Which action resolves the issue?

- A. Include the "le 32" knob under the RED\_TO\_BLUE\_ACL prefix list.
- B. Change the route targets under the VRFs.
- C. Configure VRF BLUE under the BGP configuration.
- D. Set the community to 65000:65000 under the route map.

**ANSWER: D**

**QUESTION NO: 2**

Refer to the exhibit.

```
N5K1(config-if)# show system internal dcbx info interface ethernet 1/1
Interface info for if_index: 0x1a000000(Eth1/1)
tx_enabled: FALSE
rx_enabled: FALSE
dcbx_enabled: TRUE
DCX Protocol: CIN
Port MAC address: 00:0d:ec:c9:c8:08
DCX Control FSM Variables: seq_no: 0x1, ack_no: 0x0,my_ack_no: 0x0,
peer_seq_no:
  0x0 oper_version: 0x0, max_version: 0x0 fast_retries 0x0
Lock Status: UNLOCKED
PORT STATE: UP
LLDP Neighbors
No DCX tlvs from the remote peer
```

A network engineer notices packet drops on FCoE traffic from the servers. Which action resolves the issue?

- A. Apply flowcontrol receive on the interface.
- B. Apply flowcontrol transmit on the interface.
- C. Enable priority flow control on the interface.
- D. Disable priority flow control on the interface.

**ANSWER: C****QUESTION NO: 3**

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 from the qualification drop-down menu in the Server Pool Policy Qualification.
- B. Set the number of vNICs qualifier inside the Server Pool Policy.
- C. Set the operating system qualifier inside the Server Pool Policy Qualification.
- D. Set the storage capacity qualifier inside the Server Pool Policy Qualification.
- E. Select the Server Pool Policy Qualification from the qualification drop-down menu in the Server Pool Policy.

**ANSWER: C E**

**QUESTION NO: 4**

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: A D****QUESTION NO: 5 - (DRAG DROP)**

DRAG DROP

Drag and drop the actions from the left onto the faults that they resolve on the right. Not all actions are used.

**Select and Place:**

Add a block of WWNs.	fltComputePoolEmpty
Add a block of suffixes.	fltFcpoolInitiatorsEmpty
Reacknowledge the server.	fltIppoolPoolEmpty
Add a block of Layer 2 addresses.	fltMacpoolPoolEmpty
Add a block of Layer 3 addresses.	fltUuidpoolPoolEmpty
Add a block of ext-mgmt addresses.	

**ANSWER:**

Add a block of WWNs.

Reacknowledge the server.

Add a block of suffixes.

Add a block of WWNs.

Reacknowledge the server.

Add a block of Layer 3 addresses.

Add a block of Layer 2 addresses.

Add a block of Layer 2 addresses.

Add a block of Layer 3 addresses.

Add a block of suffixes.

Add a block of ext-mgmt addresses.

**Explanation:**

#### QUESTION NO: 6

An engineer implements a storage VDC, but it fails. Which two prerequisites must be in place before a storage VDC is implemented? (Choose two.)

- A. M Series module
- B. ESSENTIALS license
- C. STORAGE-ENT license
- D. FCoE license
- E. F Series module

**ANSWER: D E**

#### QUESTION NO: 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 : Suspended (Destination IP not reachable)
Configuration consistency status: success
vPC role : secondary, operational primary
Number of vPCs configured : 4
Peer Gateway : Disabled
Dual-active excluded 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 : primary
Number of vPCs configured : 4
Peer Gateway : Disabled
Dual-active excluded VLANs : -

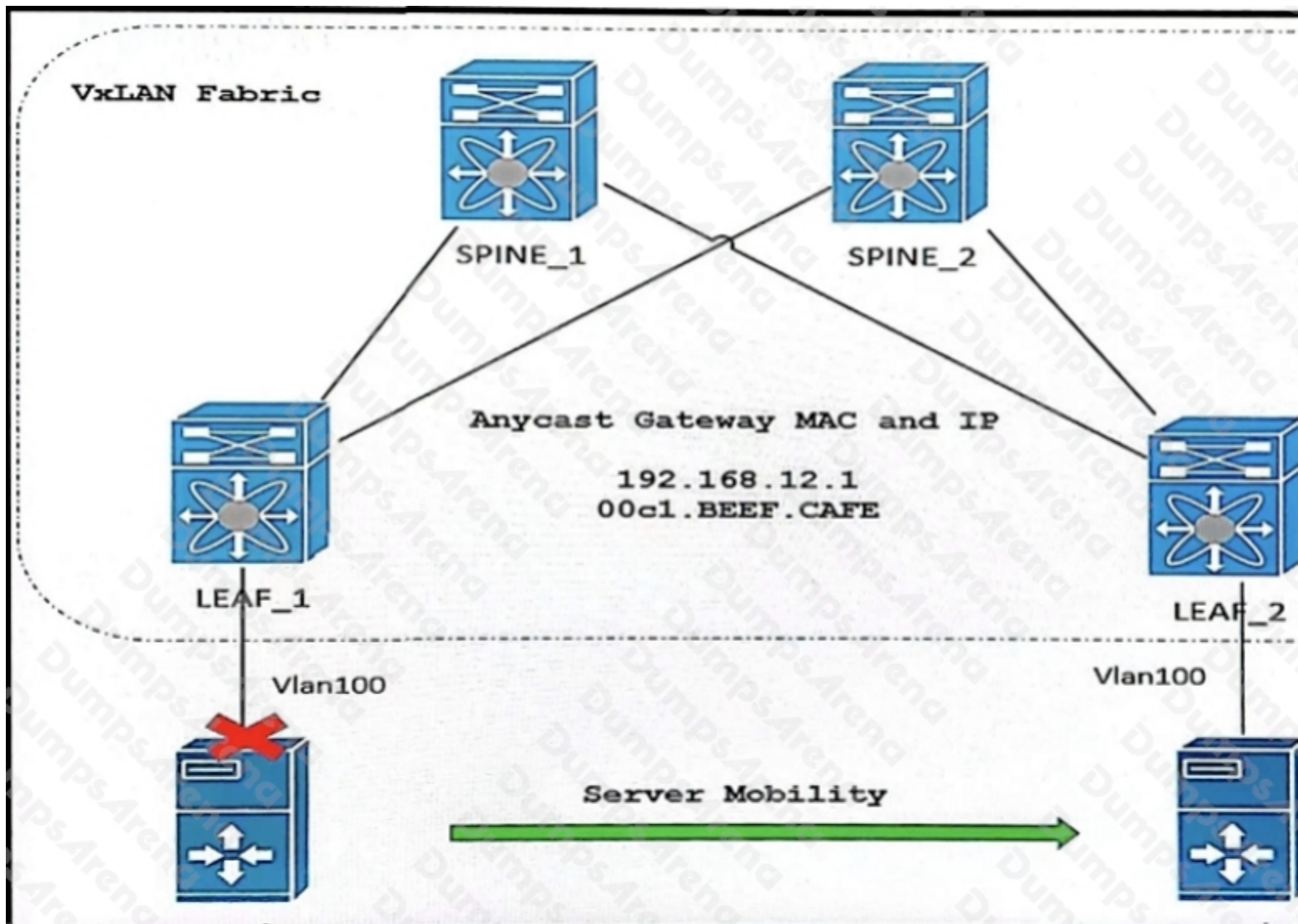
vPC Peer-link status
-----
id Port Status Active vlans
-- -- -
1 Po500 down -
```

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

- A. Match the vPC domain ID between the two devices.
- B. Configure the IP address on the interface.
- C. Activate VLANs on the vPC.
- D. Correct the configuration of the vPC peer link and the vPC peer keepalive.
- E. Configure one of the switches as primary for the vPC.

**ANSWER: A C**

**QUESTION NO: 8**



```

!LEAF_2 CONFIG
vrf context WEB_SERVER
 vni 33333
 rd auto
 address-family ipv4 unicast
  route-target both auto
  route-target both auto evpn
!
fabric forwarding anycast-gateway-mac 00C1.BEEF.CAFE
!
interface Vlan100
 no shutdown
 vrf context WEB_SERVER
 ip address 192.168.12.1/24
!
interface Vlan30
 no shutdown
 vrf member WEB_SERVER
 ip forward
  
```

Refer to the exhibit. To avoid service disruption, an engineer must move the server from LEAF\_1 to LEAF\_2. After running the test, the engineer noticed that LEAF\_2 failed to forward network traffic into the VXLAN fabric. The BGP, interface NVE, and VNI were confirmed to be configured as expected. Which two actions must be taken on LEAF\_2 to resolve the issue? (Choose two.)

- A. Change the fabric forwarding anycast-gateway-mac MAC address.
- B. Add fabric forwarding mode anycast-gateway on interface Vlan100.
- C. Configure correspondent IP addressing on every interface.
- D. Remove ip forward from interface Vlan30 and add it on interface Vlan100.
- E. Enable HMM tracking to advertise host routes into the VXLAN fabric.

**ANSWER: A E**

### QUESTION NO: 9

Refer to the exhibit.

```
N9K# show install inactive
Boot Image:
  NXOS Image: bootflash:///nxos.7.0.3.I7.3.bin

Inactive Packages:
  nxos.CSC000002_eth-n9k_ALL-1.0.0-7.0.3.I7.3.lib32_n9000

Inactive Base Packages:

N9K# show install active
Boot Image:
  NXOS Image: bootflash:///nxos.7.0.3.I7.3.1.bin

Active Packages:
  nxos.CSC000001_core-n9k_ALL-1.0.0-7.0.3.I7.3.lib32_n9000
```

After an unexpected reload of the Cisco Nexus 9000 Series Switch, the network administrator noticed that one of the Software Maintenance Upgrades (SMU) images is inactive. The engineer must ensure that the package remains active after the switch is reloaded in the future. Which action accomplishes this goal?

- A. Commit the package using the install commit command.
- B. Save the running configuration after activating the package.
- C. Deactivate and uninstall the active core package.
- D. Copy the SMU package file on the bootflash.

**ANSWER: A**

## QUESTION NO: 10

**SWITCH-VTEP-1**

```
interface loopback0
  ip address 10.200.200.1/32
  ip address 10.100.100.1/32 secondary
  ip router ospf 1 area 0.0.0.0
  ip pim sparse-mode

vpc domain 10
  peer-switch
  peer-keepalive destination 10.1.1.3 source 10.1.1.4
```

**SWITCH-VTEP-2**

```
interface loopback0
  ip address 10.200.200.2/32
  ip address 10.100.100.1/32 secondary
  ip router ospf 1 area 0.0.0.0
  ip pim sparse-mod

vpc domain 10
  peer-switch
  peer-keepalive destination 10.1.1.4 source 10.1.1.3
```

Refer to the exhibit. One of the vPC VTEPs fails to route VXLAN traffic to vPC connected hosts. When the issue was being diagnosed, it was discovered that the packets that were expected to be forwarded to the MAC address on the SWITCH-VTEP-1 are instead forwarded to the MAC address on SWITCH-VTEP-2 and then dropped. Which action resolves the issue?

- A. Configure a distributed anycast gateway on both peers
- B. Configure ip arp synchronize under the VPC domain on both peers
- C. Configure peer-gateway under the VPC domain on both peers
- D. Configure a different secondary IP address for one of the vPC peers

**ANSWER: B****Explanation:**

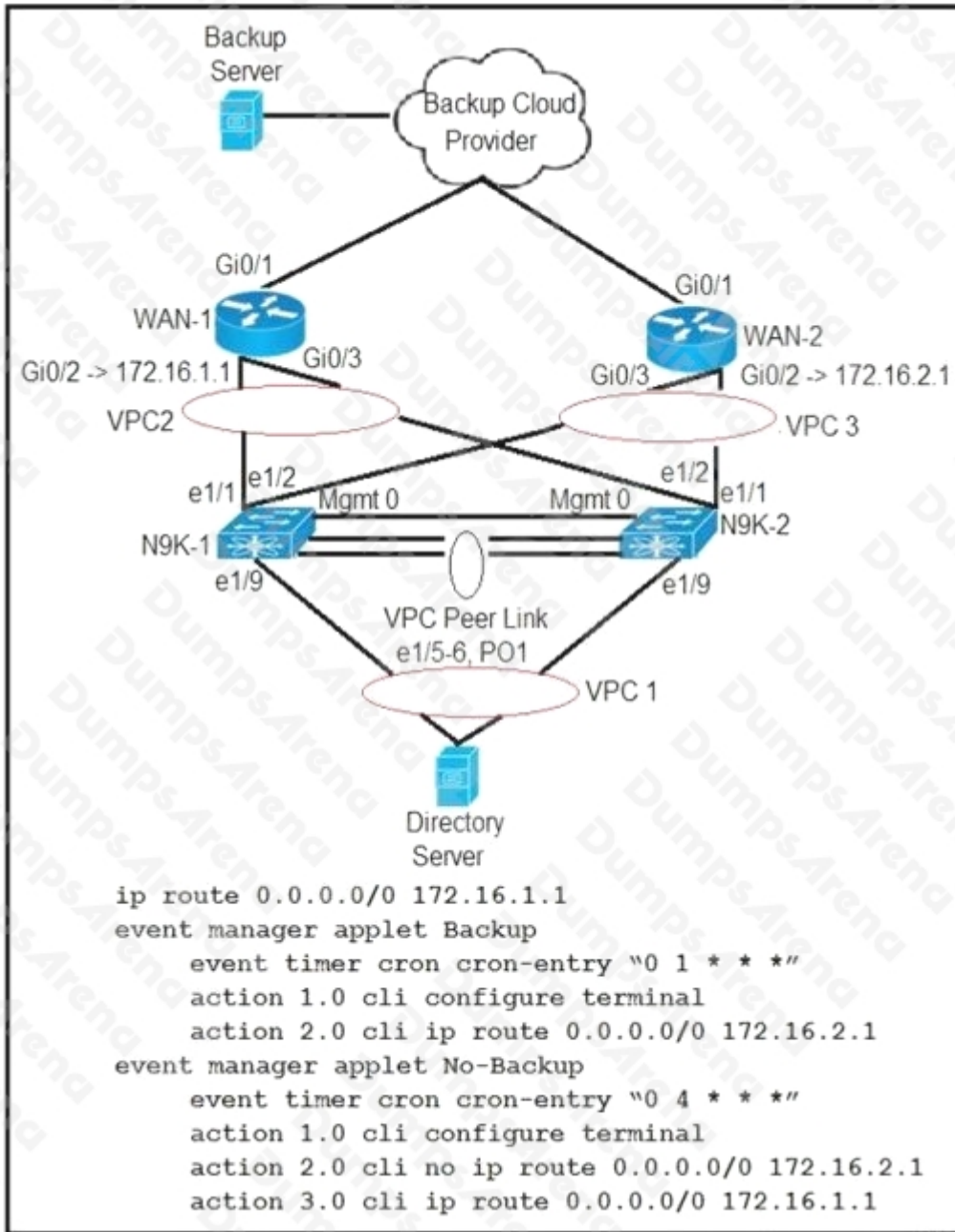
Reference: [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/command/reference/vpc/n5k-vpc-cr/n5k-vpc\\_cmds\\_i.html#:~:text=a%20port%20profile.-,ip%20arp%20synchronize,no%20form%20of%20this%20command.](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/command/reference/vpc/n5k-vpc-cr/n5k-vpc_cmds_i.html#:~:text=a%20port%20profile.-,ip%20arp%20synchronize,no%20form%20of%20this%20command.)

**QUESTION NO: 11**

An engineer experiences an issue presented with the Cisco ucs system. Which action resolves the issue?

- A. Change the discovery policy backplane speed preference to 4x10G.
- B. Connect the adapter to the fabric interconnects using a breakout cable.
- C. Update the I/O module firmware on the Cisco UCS chassis.
- D. Reboot the blade server and acknowledge the fault.

**ANSWER: A****QUESTION NO: 12**



Refer to the exhibit. Partial configuration from N9K-1 and N9K-2 is included. The client has two WANs connected.

- WAN-1 is for normal business-day activities.
- WAN-2 is for server backups during nonworking hours of 1:00 a.m. to 5:00 a.m. daily.

The client says that at the scheduled time for backup, the data center server failed to use the WAN-2 link to back up the servers to the cloud backup system. What is the solution to this problem?

- A. The event timer must be written in epoch time format.
- B. The Cisco Nexus switch must be configured with one applet because a configuration with two applets will fail.

- C. The Cron entry must be configured without double quotes.
- D. The applet called "Backup" must include an action to remove the current static route.

**ANSWER: D**

### QUESTION NO: 13

A vPC Type-1 inconsistency between two vPC peers in a VXLAN EVPN setup is discovered. Which two actions need to be attempted to resolve the issue? (Choose two.)

- A. Configure the NVE interfaces to be Up on both switches.
- B. Set a different distributed gateway virtual MAC address.
- C. Set a different secondary IP addresses on NVE source-interface.
- D. Configure the same VNI to multicast group mapping.
- E. Set a different primary IP addresses on NVE source-interface.

**ANSWER: A D**

### QUESTION NO: 14

Refer to the exhibit.

```
Booting kickstart image: bootflash:/nxos.7.0.3.I7.4.bin
CardIndex = 11056

Couldn't read file. Expected 392e9000 Got ffffffff
File does not exist, boot failed.

error: Vendor info. Expected 1024 Read-1

loader>
```

A network engineer upgrades the firmware of a Cisco Fabric Interconnect from boot flash. During the process, the fabric interconnect reboots and displays the message shown in the exhibit. Which action resolves the issue?

- A. Remove the service pack and upgrade through the auto-install procedure
- B. Reset the I/O module and install the firmware image from the boot flash

- C. Boot the kickstart image from boot flash and load the system image
- D. Reload the switch and boot the kickstart image from the TFTP server

**ANSWER: D**

**QUESTION NO: 15**

```
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.

**ANSWER: B E**