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Troubleshooting Cisco Data Center Infrastructure

Cisco 300-180

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QUESTION NO: 1

Refer to the exhibit.

```
2017 Jan 15 04:26:17 N1K %VEM_MGR-SLOT3-1-VEM_SYSLOG_ALERT:
vssnet :

sf_platform-set_mtu: Failed setting MTU for VMW port with
portID 32544675.
```

You configure an MTU on an Ethernet port profile. Where is the MTU value unsupported?

- A. pNIC on the VEM
- B. vNIC of the VEM
- C. VMware vCenter
- D. Cisco Nexus 1000V Series 1000V Switch

ANSWER: B

QUESTION NO: 2

Refer to the exhibit.

```
VSM-Host3(config)# port-profile type ethernet N1K-Uplink-Host3
VSM-Host3(config-port-prof)# channel-group auto mode active
```

You customer reports that the virtual machines operating on Host3 are not communicating with the external network. While troubleshooting you determine these facts:

- Host3 is a Cisco UCS blade chassis server connected to two fabric interconnect switches.
- The fabric interconnect switches are connected to the campus Cisco 6800 Series core switch.
- N1Kv is the virtual switch configured on the VMware hypervisor installed on Host3.
- Port profile N1K-Uplink-Host3 is connecting Host3 virtual networks to the external network.

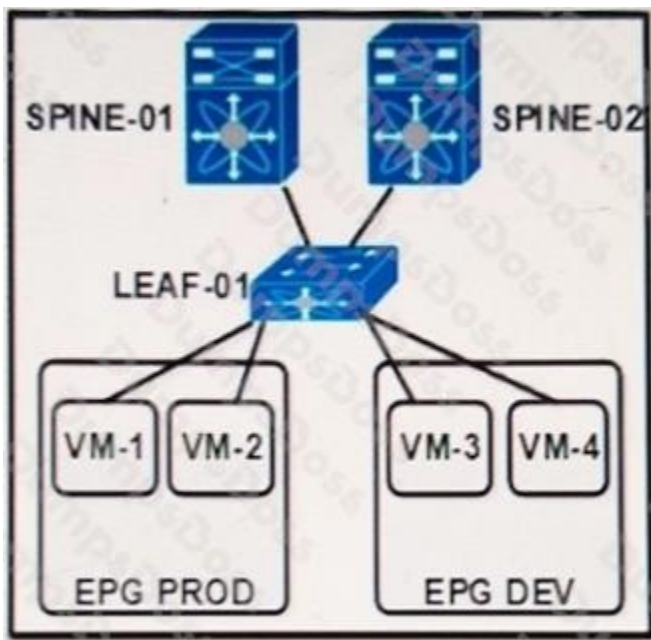
Which reason is the cause of this problem?

- A. Port profile N1K-Uplink-Host3 type must be changed to vethernet.
- B. Port aggregation mode under the N1K-Uplink-Host3 port profile must be changed to passive.
- C. Port aggregation mode under the N1K-Uplink-Host3 port profile must be changed to MAC pinning.
- D. Port aggregation mode under the N1K-Uplink-Host3 port profile must be removed.

ANSWER: B

QUESTION NO: 3

Refer to the exhibit.



VM-1 and VM-3 are in different EPGs but in the same BD. Which statement about the communication between VM-1 and VM-3 is true?

- A. The flow uses encapsulated VLANs.
- B. The flow must transverse the spine.
- C. The packet must transverse a Layer 3 interface.
- D. The flow stays local to the leaf switch.

ANSWER: B

QUESTION NO: 4

A Cisco ACI leaf connected to an external bridged network fails to receive traffic for the correct VLANs.

Which two actions do you take to resolve the issue? (Choose two.)

- A. Ensure that the EPG is bound to a port correctly.
- B. Confirm that all the Cisco APICs are online and in quorum.
- C. Ensure that the correct context is assigned to the BD.
- D. Check the port channel to the leaf switch.
- E. Ensure that the correct contract is assigned.

ANSWER: A D

QUESTION NO: 5

Which two statements are true regarding vPC? (Choose two.)

- A. With vPC, there are no blocked ports.

- B. There is VLAN-based load balancing.
- C. There is higher oversubscription.
- D. A peer link is required.
- E. STP is disabled.

ANSWER: A D

QUESTION NO: 6

A customer is configuring an upstream disjoint Layer 2 network in a Cisco UCS domain So far they have configured the following:

- Fabric Interconnects are in switching mode.
- There is symmetrical configuration for high availability.
- There are no overlapping VLANs.
- Each vNIC is communicating with one disjoint Layer 2 network.

After validating the above, the customer is still having issues with network connectivity.

What is the issue?

- A. The fabric interconnect must be in end-host mode for a disjoint Layer 2 network.
- B. The vNIC configuration is incorrect and must communicate with two or more disjoint layer 2 networks.
- C. Overlapping VLANs are allowed in a disjoint Layer 2 network.
- D. Asymmetrical configuration for high availability needs to be configured.

ANSWER: A

QUESTION NO: 7

Which two commands will help an administrator identify any issues with an In-Service Software Upgrade? (Choose two.)

- A. show incompatibility system
- B. show cts interface
- C. show install impact all
- D. show install issu-failure
- E. show license file

ANSWER: A C

QUESTION NO: 8

Which statement about SAN port channels is true?

- A. The port VSAN on both ends must be set to 1 always
- B. The port VSAN on both ends must match
- C. The port VSAN on both ends must be different
- D. The port VSAN on both ends must be on the allowed VSAN list

ANSWER: B

QUESTION NO: 9

Which action do you take to determine why the interface e1/10 is not present in the core VDC for configuration?

- A. Check to see if vPC is enabled.
- B. Check to see if the cable is connected to the e1/10 interface.
- C. Check the core VDC to see if the port e1/10 is allocated.
- D. Check the admin VDC to see if the port e1/10 is allocated.

ANSWER: C

QUESTION NO: 10

View the Exhibit.

```
adapter 1/3/1 (fls):2# lunlist
vnic: 15 lifid: 4
- FLOGI State: flogi est (fc_id 0x8e0002)
- PLOGI Sessions
- WWNN 50:0a:09:80:00:01:dc:fb WWPN 50:0a:09:80:00:01:dc:fb
  fc_id 0x8e0020
- LUN's configured (SCSI Type, Version, Vendor, Serial No.)
  LUN ID: 0x0000000000000000 access failure
- REPORT LUNs Query Response
  LUN ID: 0x0000000000000000
- Nameserver Query Response
- WWPN: 50:0a:09:80:00:01:dc:fb
```

Refer to the exhibit. What does this adapter output indicate?

- A. The port types between the target and initiator are incorrectly configured.
- B. The target of the configured zone does not match the target of the configured boot order.
- C. The configured initiator LUN ID does not match the configured target LUN ID.
- D. The target device configuration is not allowing the initiator to access the LUN.

ANSWER: D

QUESTION NO: 11

Refer to the exhibit. Which two connectivity options for interfaces Ethernet 7/24-32 are valid? (Choose two.)

```
CORE-7700-2(config-vdc)# vdc FC-CORE-SW2 type storage
CORE-7700-2(config-vdc)# allocate interface ethernet 7/24-32
```

- A. Fibre Channel interfaces that connect to a storage array
- B. Fibre Channel interfaces that are shared among other VDCs
- C. FCoE interfaces that connect to a storage array
- D. FCoE interfaces that connect to a server
- E. FCoE interfaces that are shared among other VDCs

ANSWER: C D

QUESTION NO: 12

Which identification for EPGs can you use to check zone rules?

- A. VXLAN
- B. EPG name
- C. PcTag
- D. VLAN

ANSWER: B C

QUESTION NO: 13

Which two commands or tools must you use to recover from a zone merge failure in VSAN 10? (Choose two.)

- A. switch# zoneset import interface fc 1/3 vsan 10
- B. Fabric Manager > Zone > Merge Analysis
- C. switch(config)# import zoneset interface fc 1/3 vsan 10
- D. Fabric Manager > Zone > Merge Fail Recovery
- E. switch# import zoneset interface fc 1/3 vsan 10
- F. switch(config)# zoneset import interface fc 1/3 vsan 10

ANSWER: A B