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Exam : **400-151**

Title : **CCIE Data Center Written**

Vendor : **Cisco**

Version : **DEMO**

NO.1 On which two criteria can an endpoint be classified statically into an application EPG? (Choose two)

- A. VLAN
- B. VM name
- C. DNS host name
- D. Physical leaf port
- E. Guest operating system

Answer: A,D

NO.2 Refer to the exhibit.

```
#!/usr/bin/env python

from acitoolkit.acitoolkit import *
import acitoolkit.acitoolkit as aci
from credentials import *

session = Session(URL, LOGIN, PASSWORD)
session.login()

.....

leaves = [('101'), ('102')]
ports = [('1', '20'), ('1', '30')]
for leaf in leaves:
    for port in ports:
        intf = Interface('eth', '1', leaf, port[0], port[1])
        vlan_intf = L2Interface('vlan100', 'vlan', '100')
        vlan_intf.attach(intf)
        epg.attach(vlan_intf)
        resp = session.push_to_apic(tenant.get_url(), tenant.get_json())
```

Which statement is true?

- A. The script adds to the EPG four static ports, ports 20 and 30 from leaf 101 and port 20 from leaf 102 using port encap the vlan 100.
- B. The script has an error, the intf attribute should "interface('eth.' '1' port(1)'
- C. The script adds to the EPG two static ports, port 20 from leaf 101 and port from leaf 102 using as 'port encap' the vlan 100.
- D. The script adds a range of static ports to in EPG (from 20 to 30) from both leaves.

Answer: A

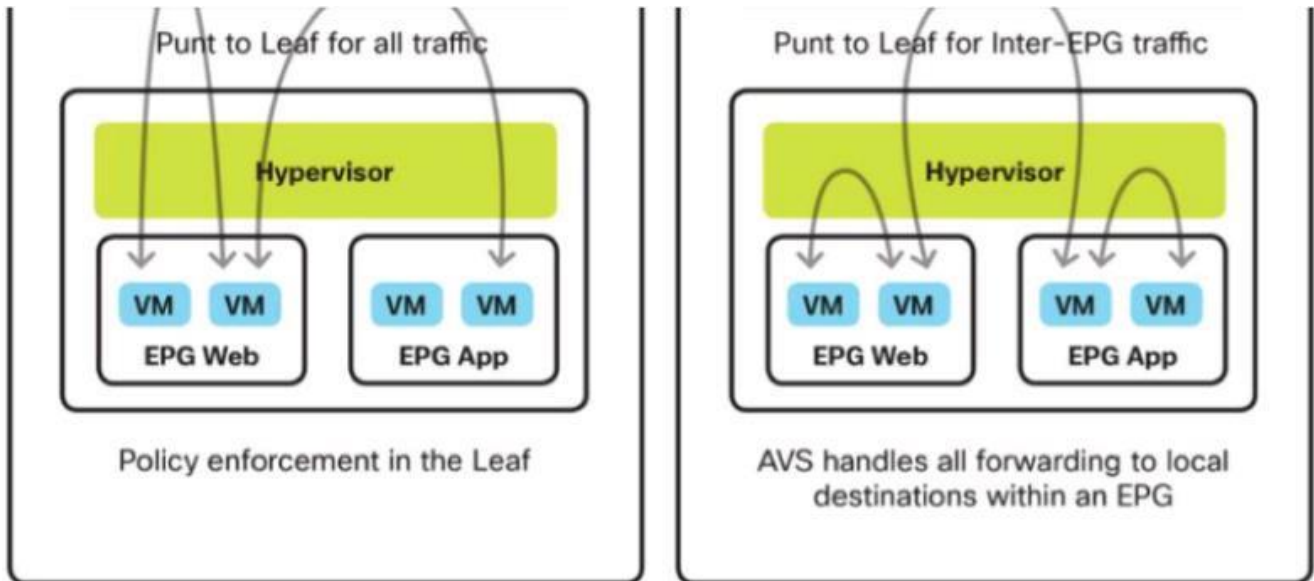
NO.3 Which two items must be reinstalled when downgrading firmware on an ACI fabric? (Choose two)

- A. Device packages
- B. Telemetry sensors
- C. AppCenter apps
- D. ACI vcenter plugin

E. Cisco AVS/AVE

Answer: A,E

NO.4



Refer to the exhibit, which two types of encapsulations can be used in each switching mode, when utilizing the cisco appliance Virtual Switch in ACI fabric? (Choose two)

- A. No Local Switching VXLAN
- B. Local Switching VXLAN
- C. Local Switching VLAN or VXLAN
- D. Local Switching: VLAN
- E. No Local Switching VLAN or VXLAN

Answer: A,C

NO.5

```

switchA# show zoneset active vsan 2
zoneset name ZoneSet1 vsan 2
zone name Zone1 vsan 2
* pwn 22:35:00:0c:85:e9:d2:c2
* pwn 10:00:00:00:c9:32:8b:a8

switchB# show zoneset active vsan 2
zoneset name ZoneSet1 vsan 2
zone name Zone1 vsan 2
* pwn 22:35:00:0c:85:e9:d2:c2
* pwn 10:00:00:00:c9:32:8b:a8

zone name Zone2 vsan 2
* pwn 22:35:00:0c:85:e9:d2:43
* pwn 10:00:00:00:c9:23:8b:21

```

Refer to the exhibit. Switch A and Switch B have these zone sets currently active and are connected by an ISL that is configured to transport VSAN 2. Enhanced zoning is configured for VSAN 2, and merge-control is set to restrict. Which statement about this configuration is true?

- A. Enhanced zoning is configured, user is prompted on the CLI to permit or deny Zone2 into the active zone set.
- B. Zone merge fails because the currently active zone sets are not identical.
- C. Zone merge fails because merge-control is set to restrict, which means that zone merge is never

permitted.

D. Zone merge succeeds: but zone2 is dropped from the active zone set because it is not currently in the active zone set in switch

Answer: B

NO.6 Which state is the optimal health state for an APIC cluster?

A. Fully sync'd

B. In service

C. In-sync

D. Fully-fit

Answer: D

NO.7 Which three option can be used to determine REST API code to create an EPG?(Choose three)

A. by downloading the XML configuration file and looking un an EPG configuration

B. using the API inspector when creating a test EPG

C. Using the show EPG configuration on the CLI of the APIC

D. using the APIC management information tree

E. Perform HTTP GET method on `https://<apic IP>/doc/epg.xml` which will return you necessary data to create EPG

F. Call `epgCreate()`function in cobra API standard library

Answer: B,C,D

NO.8 What is recommended backup policy for Cisco Cloud Center?

A. Bi- weekly basis

B. Monthly basis

C. Weekly basis

D. Daily Basis

E. Hourly basis

Answer: D

NO.9 Refer to exhibit.

```
switch#show zone status vsan 16
VSAN: 16 default-zone: deny distribute: active only Interop: default
mode: enhanced merge-control: allow session: cli [admin]
hard-zoning: enabled
```

When two CLI actions are appropriate to try to resolve the enhanced zoning lock problem? (Choose two)

A. Using either Cisco Fabric Manager or the CLI, reactivate the existing zone set for VSAN 16. Be careful to only reactive and not deactivate active to avoid a disruptions in service.

B. Use the clear zone lock command to remove the lock. Use this command on each switch in the fabric for VSAN 16 only.

C. Use the `no zone commit vsan <san id> force` command on the switch that holds the lock to release the lock if another user holds the lock.

D. Use the `no zone commit vsan` command on the switch that holds the lock to release the lock if you

are the holder of the lock.

E. Use the show zone internal vsan 16 command to determine the IP address of the user and the MDS switch where the lock is currently held.

Answer: C,D

NO.10 A network architect must migrate the legacy infrastructure switches of a customer from a Cisco Nexus 9000 platform. Which process helps achieve this milestone?

A. Manage software upgrades via guest shell.

B. Allow guest temporary access to the CLI without logging in.

C. Create a container providing separate execution space.

D. Set up a web-based interface for configuration management.

Answer: C

NO.11 What is an important characteristic of the Routing Protocol for Low-power Lossy networks (RPL)?

A. It creates multiple Destination-Oriented Directed Acyclic Graphs (DODAG)

B. It is a distance-vector protocol with a variable update period, negotiated on each link

C. It is a link-state protocol similar to IS-IS

D. It creates a single, loop-free topology from the Cluster Head to all nodes

Answer: A

NO.12 Which three issues can cause OSPF neighbors to not be able to establish an adjacency? (Choose three)

A. OSPF instance Tag

B. Feature Multicast not enabled

C. duplicate RIDs

D. PIM

E. MTU

F. Hello value

G. interface cost in not set

Answer: C,E,F

NO.13 Which two definitions of a service graph in managed mode are valid? (Choose two)

A. FW/LB admin configure Layer 4 -Layer 7 device

B. FW/LB orchestrator configure Layer 4 -Layer 7 device

C. Network automation only

D. Detailed visibility of the applications

E. Dynamic endpoint discovery

F. Automation including Layer 4 -Layer 7 configurations

Answer: A,F

NO.14 Which statement about vxlan is true?

A. Control-plane traffic traverses the overlay network

- B. Data-plan traffic traverse the overlay network.
- C. Control-plane traffic traverses the underlay network
- D. Data-plan traffic traverse the underlay network.

Answer: B

NO.15 Which three advantages of connecting on-premises private cloud-to-cloud VPN versus a direct connection are true?

- A. Flexibility
- B. throughput
- C. cost
- D. QoS
- E. latency
- F. Time to provision

Answer: A,C,F

NO.16 A User requests one primary VLAN two community VLANs, and two isolated VLAN for multicast capable servers that must transmit multicast traffic and receive multicast traffic through the use of IGMPv2. On which VLAN must the LGMP querier be configured?

- A. primary and secondary VLANs
- B. isolated VLAN and both community VLANs
- C. Layer 2 multicast is not supported when using private VLANs
- D. Only the primary VLAN

Answer: D