

300-620^{Q&As}

Implementing Cisco Application Centric Infrastructure (DCACI)

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QUESTION 1

An engineer must adjust the time on a Cisco ACI fabric. The implementation must use a single external time server and the APIC management interfaces for the communication. Which action accomplishes this goal?

- A. Enable the Date and Time offset state in the system settings.
- B. Set the NTP provider minimum polling interval to 1.
- C. Set the NTP provider in default Date and Time policy.
- D. Create a contract in the management tenant to allow UDP port 123.

Correct Answer: C

QUESTION 2

Refer to the exhibit.

```
leaf-01# show ip route vrf Production:vrf-prod
IP Route Table for VRF "Production:vrf-prod"
'*' denotes best ucast next-hop
 '**' denotes best mcast next-hop
 '[x/y]' denotes [preference/metric]
 '%<string>' in via output denotes VRF <string>

172.16.18.0/24, ubest/mbest: 1/0, attached, direct, pervasive
  *via 10.0.64.66%overlay-1, [1/0], 00:02:10, static, tag 4294967294
192.168.1.0/24, ubest/mbest: 1/0, attached, direct, pervasive
  *via 10.0.64.66%overlay-1, [1/0], 1d00h, static
192.168.1.254/32, ubest/mbest: 1/0, attached, pervasive
  *via 192.168.1.254, vlan14, [0/0], 1d00h, local, local

leaf-01# show ip route vrf Non-Production:vrf-nonprod
IP Route Table for VRF "Non-Production:vrf-nonprod"
'*' denotes best ucast next-hop
 '**' denotes best mcast next-hop
 '[x/y]' denotes [preference/metric]
 '%<string>' in via output denotes VRF <string>

172.16.18.0/24, ubest/mbest: 1/0, attached, direct, pervasive
  *via 10.0.64.66%overlay-1, [1/0], 00:02:15, static, tag 4294967294
172.16.18.254/32, ubest/mbest: 1/0, attached, pervasive
  *via 172.16.18.254, vlan16, [0/0], 00:21:33, local, local
```

An administrator configures inter-VRF route leaking between Production:vrf-prod and Non-Production:vrf-nonprod. However, the route in the Non-Production:vrf-nonprod VRF to the production tenant is missing. Which action resolves the VRF route leaking issue?

- A. Change the contract scope to Global.
- B. Enable the Shared between VRFs option for the BD subnet in the production VRF.
- C. Enable the Shared between VRFs option for the EPG subnet in the non-production VRF.
- D. Export the contract from provider to consumer tenant.

Correct Answer: B

QUESTION 3

What is the result of selecting the On Demand attribute in the Deploy Immediacy feature during VMM domain association to an EPG?

- A. The EPG policy is programmed in the hardware policy CAM as soon as the policy is downloaded in the leaf software.
- B. The EPG policy is downloaded to the leaf when a hypervisor is attached to a DVS, and CDP or LLDP adjacency is formed.
- C. The EPG policy is downloaded to the leaf when a hypervisor is connected, and a VM is placed in a port group.
- D. The EPG policy is programmed in the hardware policy CAM only when the first packet is received through the data path.

Correct Answer: D

The deployment immediacy option specifies that the policy should be programmed in the hardware policy cam only when the switch receives a packet through the data path. This setting helps optimize the hardware space.

QUESTION 4

In a Cisco ACI fabric, an endpoint moves between two leaf switches during a virtual machine migration. Which action does Cisco ACI take to minimize the impact to traffic during this event?

- A. A new leaf switch updates a COOP database on the spine, which causes the old leaf switch to install a bounce entry.
- B. A new leaf switch sends a COOP message to the Cisco APIC cluster to populate a new location of the endpoint.
- C. A new leaf switch sends a COOP message directly to the old leaf switch to update it with new information about the endpoint move.
- D. A new leaf switch floods GARP to every other leaf switch in the fabric, which advertises a new endpoint location to the fabric.

Correct Answer: A

There are several scenarios in which an endpoint moves between two Cisco ACI leaf switches, such as a failover event or a virtual machine migration in a hypervisor environment. Cisco ACI data-plane endpoint learning detects these events quickly and updates the Cisco ACI endpoint database on a new leaf. In addition to data-plane learning, Cisco ACI uses bounce entries to manage the old endpoint information on the original leaf.

When a new local endpoint is detected on a leaf, the leaf updates the COOP database on spine switches with its new local endpoint. If the COOP database has already learned the same endpoint from another leaf, COOP will recognize this event as an endpoint move and report this move to the original leaf that contained the old endpoint information. The old leaf that receives this notification will delete its old endpoint entry and create a bounce entry, which will point to the new leaf. A bounce entry is basically a remote endpoint created by COOP communication instead of data-plane learning.

QUESTION 5

A RADIUS user resolves its role via the Cisco AV Pair. What object does the Cisco AV Pair resolve to?

- A. tenant
- B. security domain
- C. primary Cisco APIC
- D. managed object class

Correct Answer: D

managed object class is an object ; security domain is a tag

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