



300-620^{Q&As}

Implementing Cisco Application Centric Infrastructure (DCACI)

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**QUESTION 1**

Refer to the exhibit.

```
leaf-102# show interface brief
!snip
-----
Port-channel VLAN      Type Mode      Status Reason          Speed      Protocol
Interface
-----
Po3             46      eth trunk  down mac-pinning      inherit(D lACP
Po11            --      eth fabric up none            10G(D)     none
Po12            0       eth trunk  down mcp-loop-err-disable inherit(D none
```

Which two configuration steps are completed before this output is generated? (Choose two.)

- A. MCP policy for the interface policy group for Port-channel 12 is enabled.
- B. MCP Instance Policy default in the global access policies is enabled.
- C. Error Disabled Recovery Policy for Loop Indication by MCP is set to True.
- D. BPDU Guard is enabled for the interface policy group for Port-channel 12.
- E. Spanning Tree Policy Region STP_4CAF232E48FF20 is added to the spanning-tree policy of the switch.

Correct Answer: AB

QUESTION 2

What do Pods use to allow Pod-to-Pod communication in a Cisco ACI Multi-Pod environment?

- A. over Layer 3 directly connected back-to-back spines
- B. over Layer 3 Out connectivity via border leafs
- C. over Layer 3 IPN connectivity via border leafs
- D. over Layer 3 IPN connectivity via spines

Correct Answer: D

Reference: <https://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/application-centric-infrastructure/white-paper-c11-737855.html>

QUESTION 3



An engineer associates EPG-A with a VMM domain and sets the Deployment and Resolution preferences to Immediate. The host that will generate endpoints for EPG-A is attached to Leaf-101 and Leaf-102 using eth1/1. However, no configuration for EPG-A appears to have been pushed to the leaf switches. Which action must be taken for the configuration to be pushed to Leaf-101 and Leaf-102?

- A. Enable CDP or LLDP on the host.
- B. Enable LACP on the leaf switch ports.
- C. Disable and enable eth1/1 on both leaf switches.
- D. Configure both ports for trunking.

Correct Answer: A

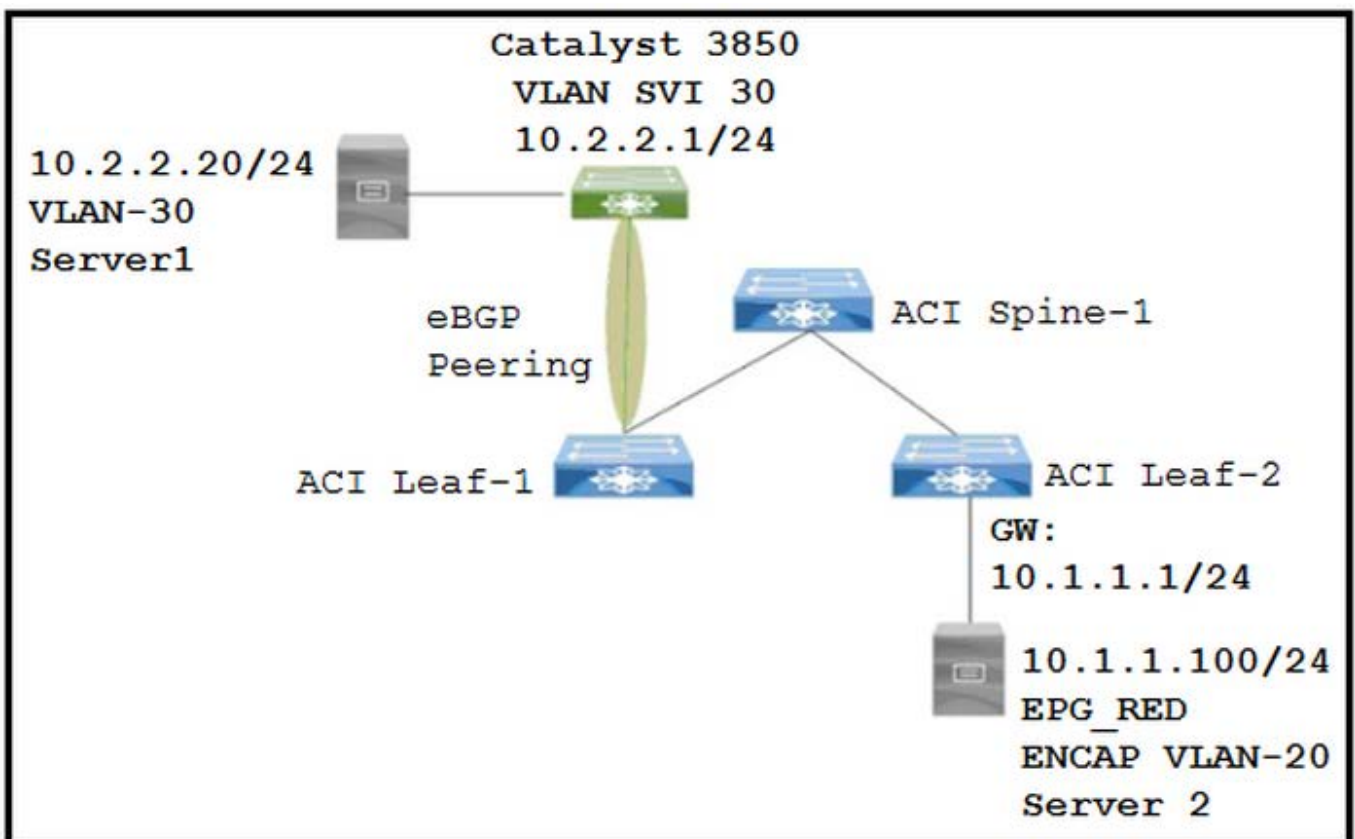
Resolution immediacy:

Immediate: The VLAN will be deployed on leaf interfaces only when hypervisors are detected through LLDP or CDP.

<https://learnduty.com/cisco-aci/cisco-aci-resolution-and-deployment-immediacy-explained/>

QUESTION 4

Refer to the exhibit.



Cisco ACI fabric is connected to a Cisco Catalyst 3850 Series Switch using EBGP. Server 2 is unable to communicate with Server 1. Leaf-2 fails to learn the external subnet 10.2.2.0/24 and other external subnets from other L3Outs. Which



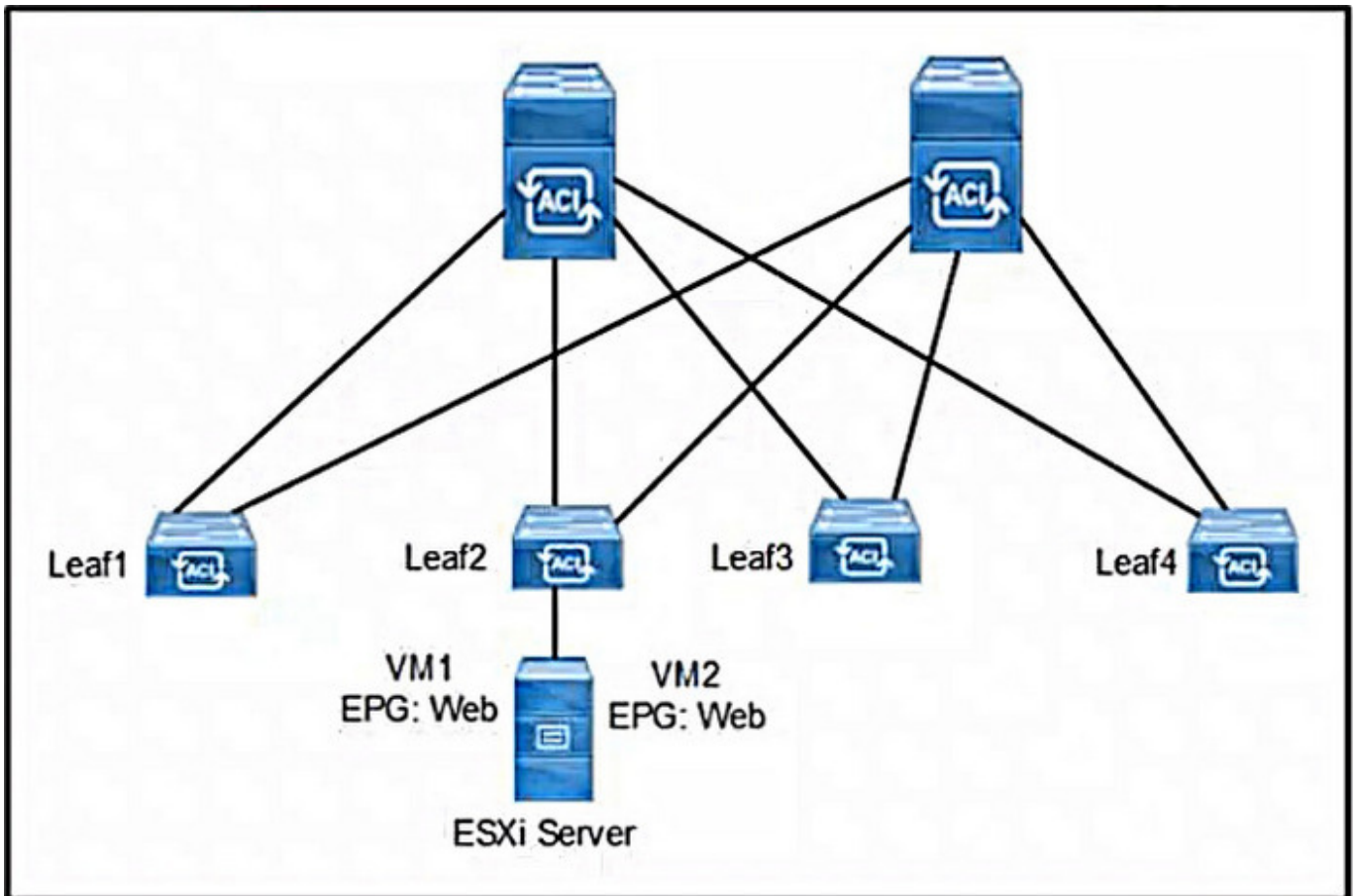
configuration ensures that the networks from Leaf-2 are learned by the external network?

- A. Configure 10.2.2.0/24 under the external EPG of the L3Out.
- B. Implement a contract between the Server 2 EPG and the L3Out.
- C. Implement the bridge domain to advertise the bridge domain subnet.
- D. Configure Spine-1 as the MP-BGP route reflector.

Correct Answer: D

QUESTION 5

Refer to the exhibit.



The VMs called VM1 and VM2 are deployed on the ESXi Server in a Cisco ACI environment. VM1 has MAC address A and an IP address 192.168.1.1/24, and VM2 has MAC address B. VM1 has been shut down. Which set of actions must be taken to detect the movement of IP address 192.168.1.1/24 to MAC address B?

- A. Enable ARP flooding. Disable unicast routing. Enable GARP-based detection.
- B. Disable ARP flooding. Disable unicast routing. Disable GARP-based detection.



C. Disable ARP flooding. Enable unicast routing. Disable GARP-based detection.

D. Enable ARP flooding. Enable unicast routing. Enable GARP-based detection.

Correct Answer: D

GARP is used to update IP to MAC relation on upstream network devices. It is most relevant in case of vmotions or VMs/servers moving from one host to another, and the MAC address changes, but the IP remains the same.

In the context of ACI, the leaf switches can detect MAC and IP address movement between leaf switch ports, leaf switches, bridge domains, and EPGs, but it does not detect the movement of an IP address to a new MAC address if the new MAC address is from the same interface and same EPG as the old MAC address.

When the GARP based detection option is enabled (configuration available under the BD), Cisco ACI will trigger an endpoint move based on GARP packets if the move occurs on the same interface and same EPG. If a GARP packet comes from the same interface and same EPG, then endpoint learning is triggered only when Unicast Routing, ARP Flooding, and "GARP based detection" are all enabled for the bridge domain.

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