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Implementing Cisco Application Centric Infrastructure - Advanced (DCACIA)

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QUESTION 1

An engineer creates the objects that must be deployed at each site in Cisco ACI Multi-Site Orchestrator. Which action should be taken before the schema can be associated with the newly configured site?

A. Attach the templates to the newly configured site

B. Configure a provider for the Cisco ACI Multi-Site Orchestrator

C. Import existing policies from an existing tenant to Cisco ACI Multi-Site Orchestrator

D. Configure the Infra Site-Specific Settings

Correct Answer: A

QUESTION 2

What are two characteristics of Cisco ACI and Spanning Tree Protocol interaction? (Choose two.)

A. When a TCN BPDU is received in a VLAN, Cisco ACI flushes the endpoints for the associated encapsulation.

B. STP BPDUs are dropped due to MCP.

C. MST BPDUs are flooded correctly in Cisco ACI fabric without additional configuration.

D. BPDU filter and BPDU guard can be configured on Cisco ACI leaf edge ports.

E. Cisco ACI must be configured as the STP root for all VLANs.

Correct Answer: DE

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/aci_virtual_edge/configuration/1-x/b_Virtual_Edge_Config_Guide_1_2_2/b_Virtual_Edge_Config_Guide_1_2_2_chapter_0101.html

QUESTION 3
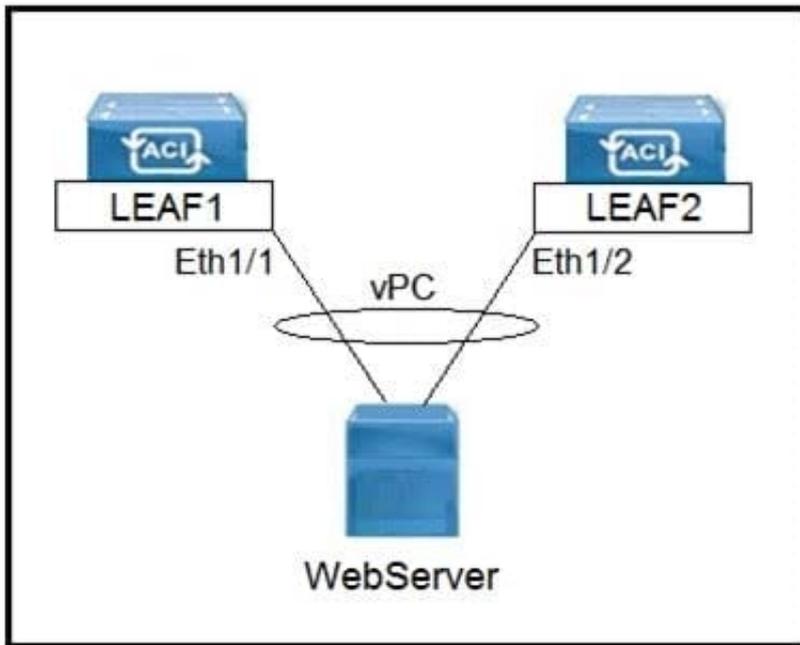
Refer to the exhibit. Which three actions should be taken to implement the vPC in the Cisco ACI fabric? (Choose three.)

A. Select a common vPC interface policy group

B. Select individual interface profiles

C. Select common interface profiles

D. Select individual switch profiles

E. Select common switch profiles

Correct Answer: ABE

QUESTION 4

What is the advantage of implementing an active-active firewall cluster that is stretched across separate pods when anycast services are configured?

A. A different MAC/IP combination can be configured for the firewall in each pod.

B. The local pod anycast node is preferred by the local spines.

C. A cluster can be deployed in transparent mode across pods.

D. Local traffic in a pod is load-balanced between the clustered firewalls.

Correct Answer: A

QUESTION 5
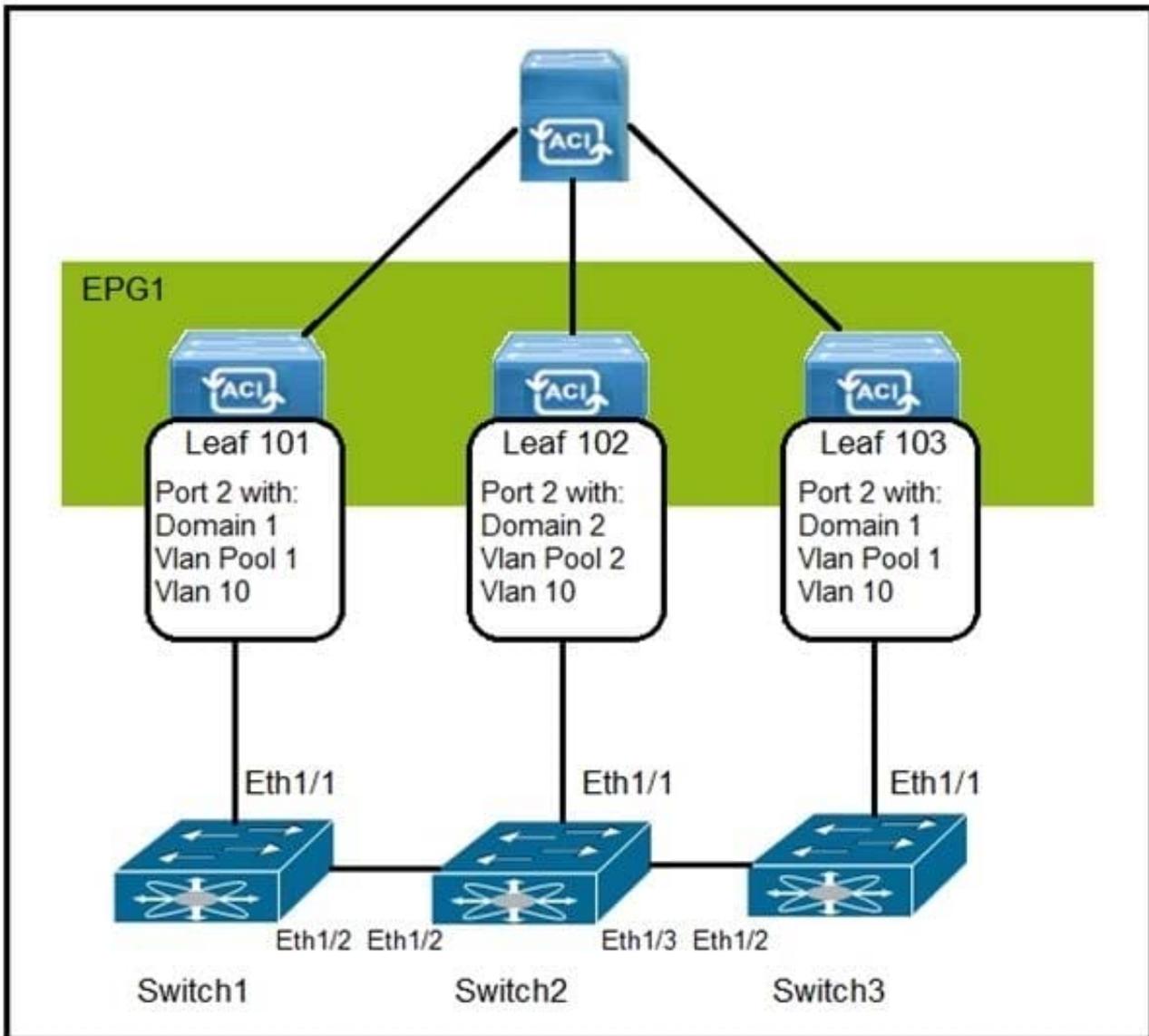
Refer to the exhibit. How are the STP BPDUs forwarded over Cisco ACI fabric?

A. STP BPDUs that are generated by Switch2 are received by Switch1 and Switch3.

B. Cisco ACI fabric drops all STP BPDUs that are generated by the external switches.

C. Cisco ACI acts as the STP root for all three external switches.

D. STP BPDUs that are generated by Switch1 are received only by Switch3.

Correct Answer: A

Reference: https://www.linkedin.com/pulse/cisco-aci-network-behaviour-stptcn-how-identify-loop-ankit-kulshresta

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QUESTION 6

Which firewall connection allows for the integration of service nodes in transparent mode with a Cisco ACI Multi-Pod

setup?

A. active-standby mode across pods

B. active-active mode per pods for communication between internal endpoints

C. active-standby mode per pods for communication between endpoints and external networks

D. active-active mode across pods

Correct Answer: A

Reference: https://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/application-centric-infrastructure/white-paper-c11-739571.html (table 1)

QUESTION 7

What does the VXLAN source port add to the overlay packet forwarding when it uses the hash of Layer 2, Layer 3, and Layer 4 headers of the inner packet?

A. ECMP

B. TCP optimization

C. disabled fragmentation

D. jumbo frames

Correct Answer: A

Reference: https://www.cisco.com/c/en/us/support/docs/lan-switching/vlan/212682-virtual-extensible-lan-and-ethernet-virt.html

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QUESTION 8

Which action must be taken to connect two nonsilient servers in active/standby mode to two ACI leaves?

A. Implement a virtual PortChannel on ACI leaves

B. Enable ARP flooding for the bridge domain if the MAC address of the active interface changes after NIC failover

C. Configure ARP flooding for the bridge domain if the MAC address of the active interface stays identical after a NIC failover

D. Disable dataplane learning to avoid endpoint flapping

Correct Answer: C

Reference: https://www.cisco.com/c/en/us/td/docs/dcn/whitepapers/cisco-application-centric-infrastructure-design-guide.html

QUESTION 9

Which approach does Cisco ACI use to achieve multidestination packet forwarding between leaf switches in the same fabric?

A. Map VXLAN VTEP to the multicast group

B. Map VXLAN to PIM-SM protocol

C. Map VXLAN VNI to the multicast group

D. Map VXLAN to PIM-DM protocol

Correct Answer: C

QUESTION 10

What two actions should be taken to deploy a new Cisco ACI Multi-Pod setup? (Choose two.)

A. Configure anycast RP for the underlying multicast protocol

B. Configure the TEP pool of the new pod to be routable across the IPN

C. Configure MP-BGP on IPN routers that face the Cisco ACI spines

D. Increase interface MTU for all IPN routers to support VXLAN traffic

E. Connect all spines to the IPN
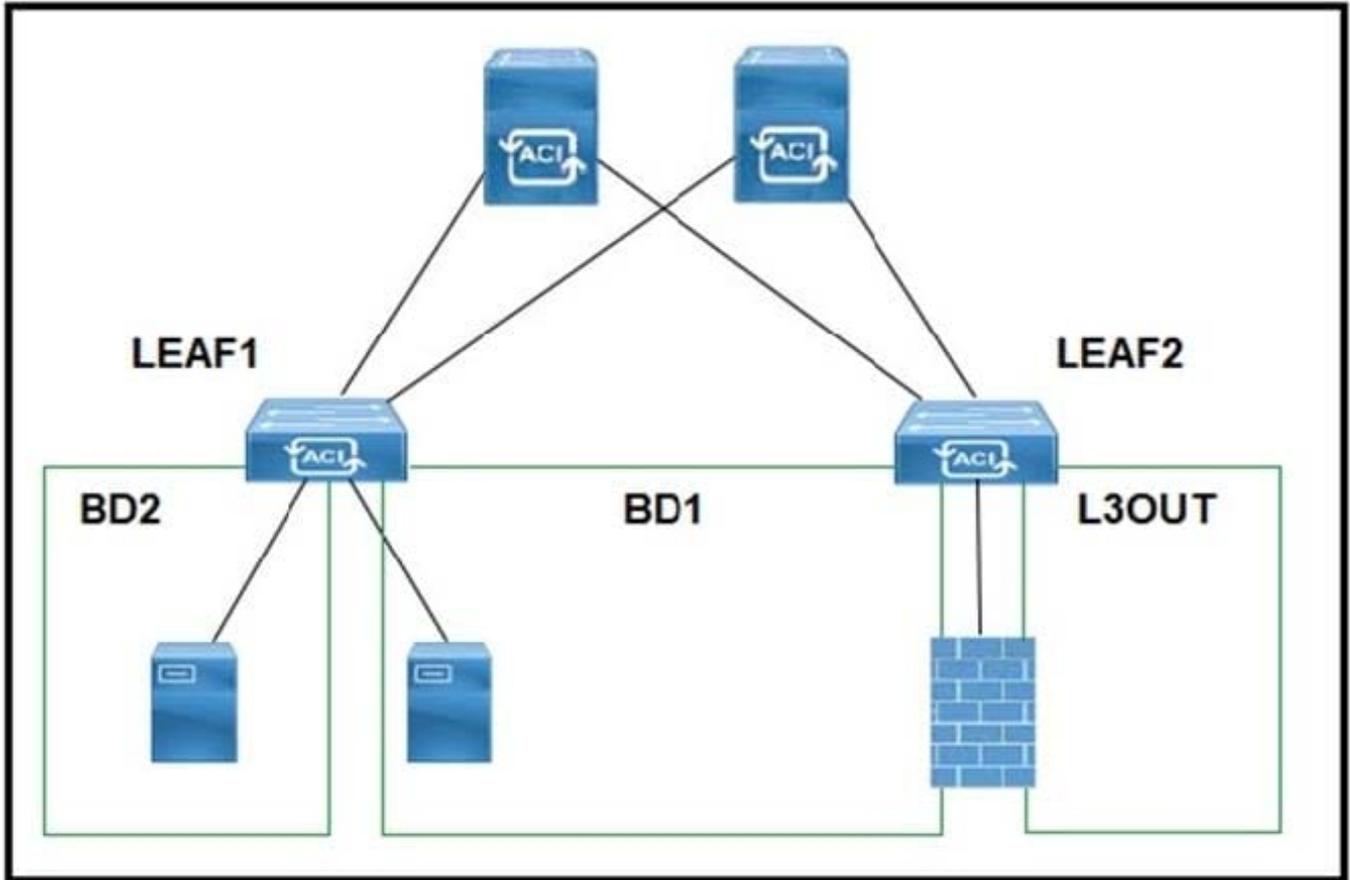
Correct Answer: DE

QUESTION 11

Which two actions are the Cisco best practices to configure NIC teaming load balancing for Cisco UCS B-Series blades that are connected to the Cisco ACI leaf switches? (Choose two.)

A. Create vPC+

B. Enable LACP active mode

C. Create PAgP

D. Create vPC

E. Enable MAC pinning

Correct Answer: BE

QUESTION 12

Refer to the exhibit. A customer experiences resource overconsumption on one of its border leaf switches. Which action should be taken to reduce the consumption on this switch?

A. Disable VRF Policy Control Enforcement

B. Disable IP Data Plane Learning

C. Migrate L3Outs to another switch

D. Disable Remote EP Learning

Correct Answer: B

QUESTION 13
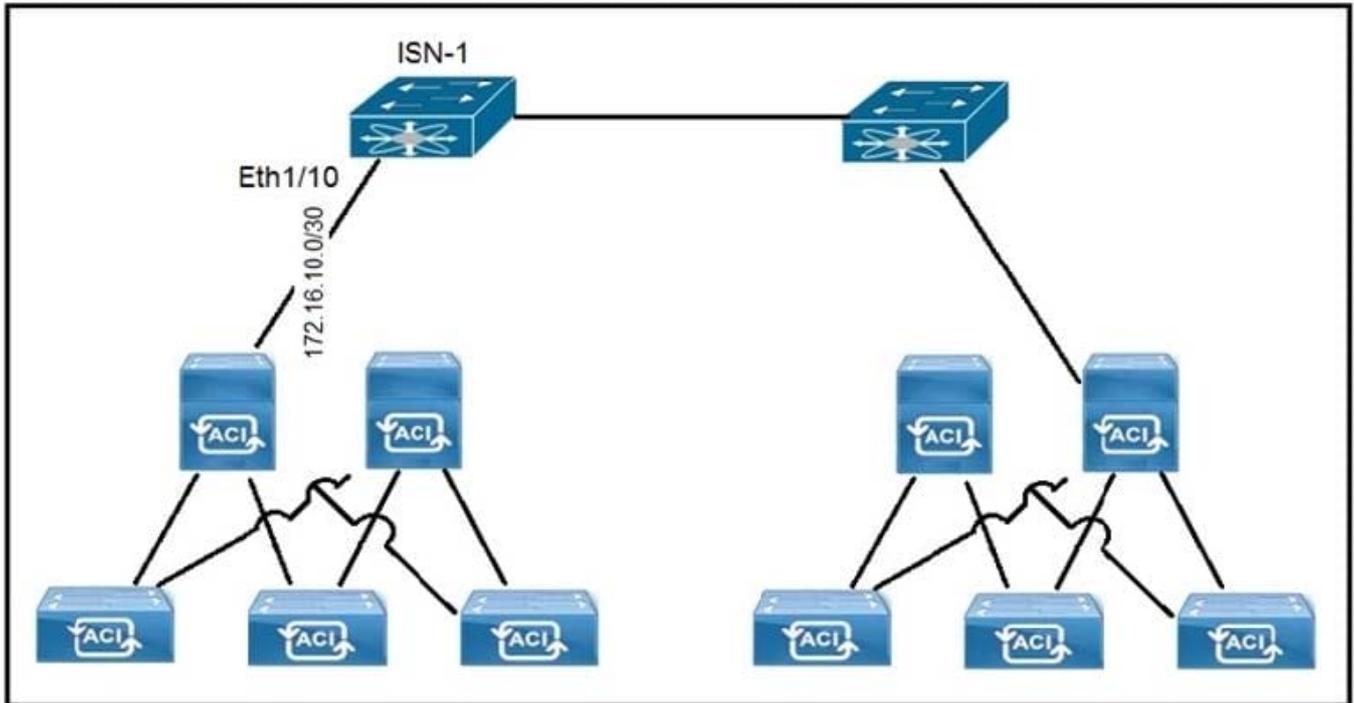
Refer to the exhibit. A customer implements Cisco ACI Multi-Site with default MTU settings between two sites. Which configuration should be applied on the interface Eth1/10 on the ISN-1 device?

A.
```
interface Ethernet1/10.4
mtu 9150
encapsulation dot1q 100
vrf member intersite
ip address 172.16.10.1/30
ip ospf network point-to-point
ip router ospf intersite area 0.0.0.1
no shutdown
```

B.
```
interface Ethernet1/10.4
mtu 9150
encapsulation dot1q 4
vrf member intersite
ip address 172.16.10.1/30
ip ospf network point-to-point
ip router ospf intersite area 0.0.0.1
no shutdown
```

C.
```
interface Ethernet1/10.44
mtu 2240
encapsulation dot1q 4
vrf member intersite
ip address 172.16.10.1/30
ip router ospf intersite area 0.0.0.1
no shutdown
```

D.
```
interface Ethernet1/10.4
mtu 2240
encapsulation dot1q 40
vrf member intersite
ip address 172.16.10.1/30
ip ospf network point-to-point
ip router ospf 1 area 0.0.0.1
no shutdown
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A

QUESTION 14

A customer is deploying a new application across two ACI pods that is sensitive to latency and jitter. The application sets the DSCP values of packets to AF31 and CS6, respectively. Which configuration changes must be made on the APIC to support the new application and prevent packets from being delayed or dropped between pods?

A. disable DSCP translation policy

B. align the ACI QoS levels and IPN QoS policies

C. disable DSCP mapping on the IPN devices

D. align the custom QoS policy on the EPG site in the customer tenant

Correct Answer: D

Reference: https://www.ciscolive.com/c/dam/r/ciscolive/emea/docs/2019/pdf/BRKACI-2210.pdf

QUESTION 15

Which two actions should be taken to ensure a scalable solution when multiple EPGs in a VRF require unrestricted communication? (Choose two.)

A. Configure a taboo contract between the EPGs that require unrestricted communication between each other.

B. Enable Preferred Group Member under the EPG Collection for VRF section.

C. Set the VRF policy control enforcement preference to Unenforced.

D. Set the EPGs that require unrestricted communication between each other as preferred group members.

E. Set the EPGs that require policy enforcement between each other as preferred group members.

Correct Answer: CD

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/4-x/basic-configuration/Cisco-APIC-Basic-Configuration-Guide-42x/Cisco-APIC-Basic-Configuration-Guide-42x_chapter_0110.html

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