



# Cisco

## Exam Questions 300-620

Implementing Cisco Application Centric Infrastructure (DCACI)

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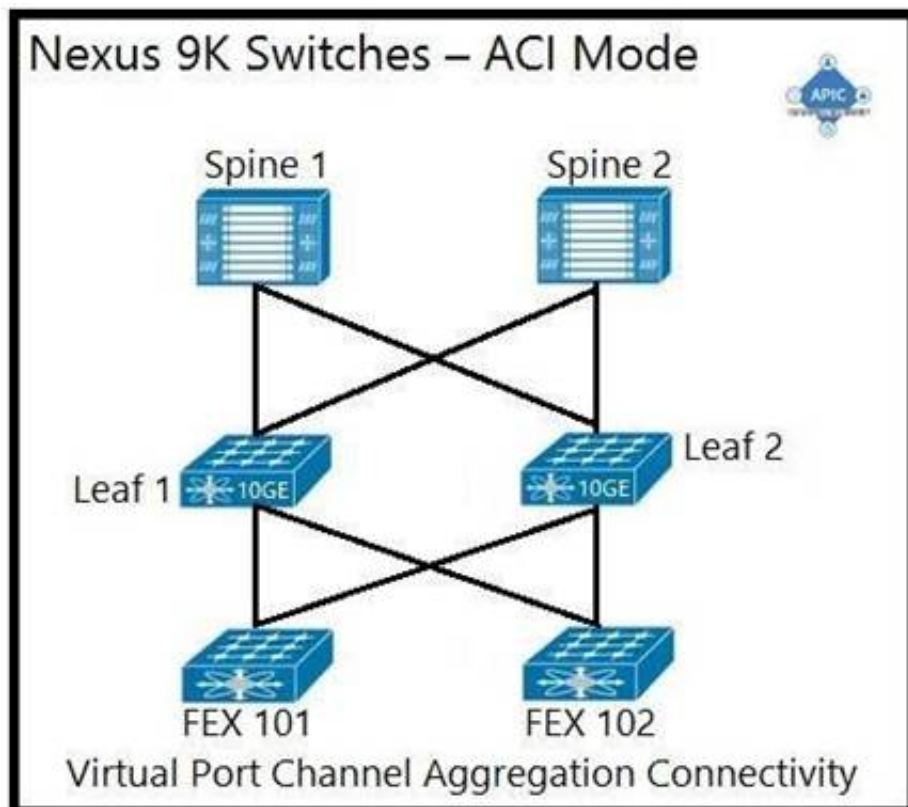
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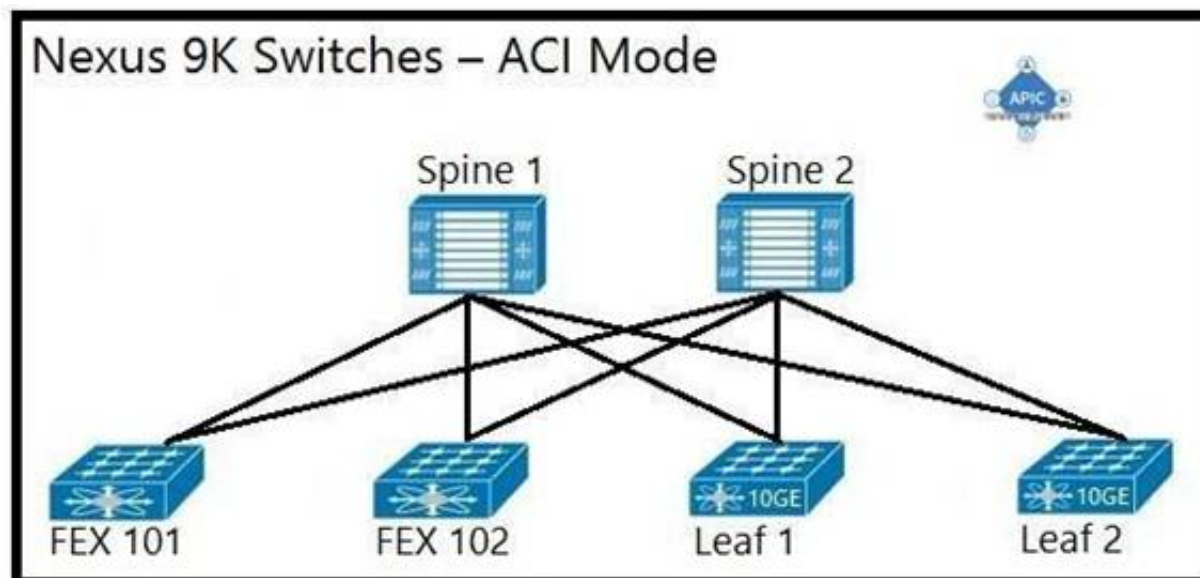
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**NEW QUESTION 1**

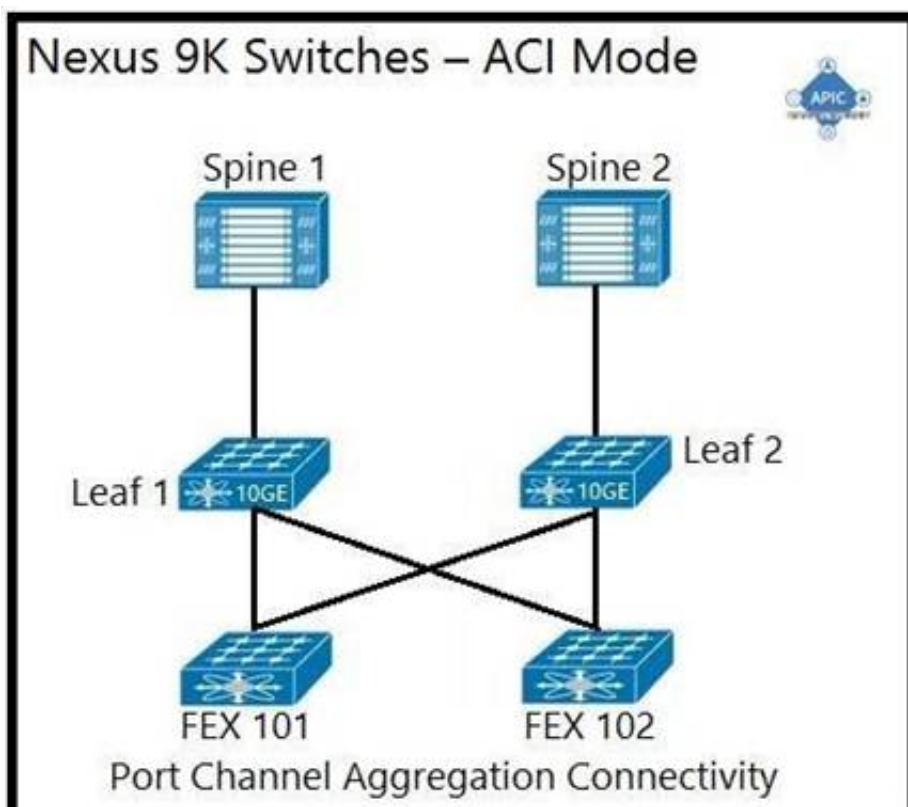
An engineer is implementing a Cisco ACI data center network that includes Cisco Nexus 2000 Series 10G fabric extenders. Which physical topology is supported?  
A.



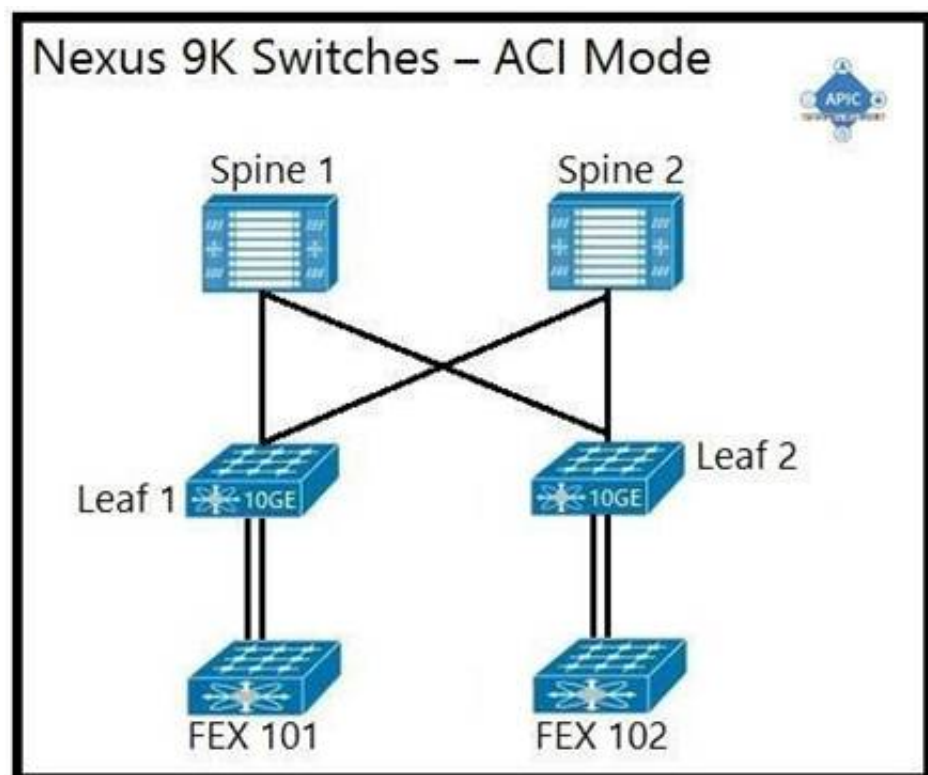
B.



C.



A.



**Answer:** D

#### NEW QUESTION 2

An engineer is creating a configuration import policy that must terminate if the imported configuration is incompatible with the existing system. Which import mode achieves this result?

- A. merge
- B. atomic
- C. best effort
- D. replace

**Answer:** B

#### Explanation:

Reference: [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/4-x/aci-fundamentals/Cisco-ACI-Fundamentals-401/Cisco-ACI-Fundamentals-401\\_chapter\\_01011.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/4-x/aci-fundamentals/Cisco-ACI-Fundamentals-401/Cisco-ACI-Fundamentals-401_chapter_01011.html)

#### NEW QUESTION 3

Which components must be configured for the BGP Route Reflector policy to take effect?

- A. spine fabric interface overrides and profiles
- B. access policies and profiles
- C. pod policy groups and profiles
- D. leaf fabric interface overrides and profiles

**Answer:** A

#### Explanation:

Reference: [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/4-x/L3-configuration/Cisco-APIC-Layer-3-Networking-Configuration-Guide-401/Cisco-APIC-Layer-3-Networking-Configuration-Guide-401\\_chapter\\_01.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/4-x/L3-configuration/Cisco-APIC-Layer-3-Networking-Configuration-Guide-401/Cisco-APIC-Layer-3-Networking-Configuration-Guide-401_chapter_01.html)

#### NEW QUESTION 4

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

**Answer:** D

#### Explanation:

Reference: [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/2-x/Security\\_config/b\\_Cisco\\_APIC\\_Security\\_Configuration\\_Guide/b\\_Cisco\\_API\\_C\\_Security\\_Guide\\_chapter\\_01011.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/2-x/Security_config/b_Cisco_APIC_Security_Configuration_Guide/b_Cisco_API_C_Security_Guide_chapter_01011.html)

#### NEW QUESTION 5

How is an EPG extended outside of the ACI fabric?

- A. Create an external bridged network that is assigned to a leaf port.
- B. Create an external routed network that is assigned to an EPG.
- C. Enable unicast routing within an EPG.
- D. Statically assign a VLAN ID to a leaf port in an EPG.

**Answer:** D

**Explanation:**  
Reference: <https://www.dclessons.com/l2-external-network-with-aci>

**NEW QUESTION 6**

DRAG DROP

Drag and drop the Cisco ACI filter entry options from the left onto the correct categories on the right indicating what are required or optional parameters.

Name

ARP Flag

Ether Type

IP Protocol

Source Port From

Optional Parameters

Required Parameters

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**  
Reference: [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/Operating\\_ACI/guide/b\\_Cisco\\_Operating\\_ACI/b\\_Cisco\\_Operating\\_ACI\\_chapter\\_01000.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/Operating_ACI/guide/b_Cisco_Operating_ACI/b_Cisco_Operating_ACI_chapter_01000.html)

**NEW QUESTION 7**

Which description regarding the initial APIC cluster discovery process is true?

- A. The APIC uses an internal IP address from a pool to communicate with the nodes.
- B. Every switch is assigned a unique AV by the APIC.
- C. The APIC discovers the IP address of the other APIC controllers by using Cisco Discovery Protocol.
- D. The ACI fabric is discovered starting with the spine switches.

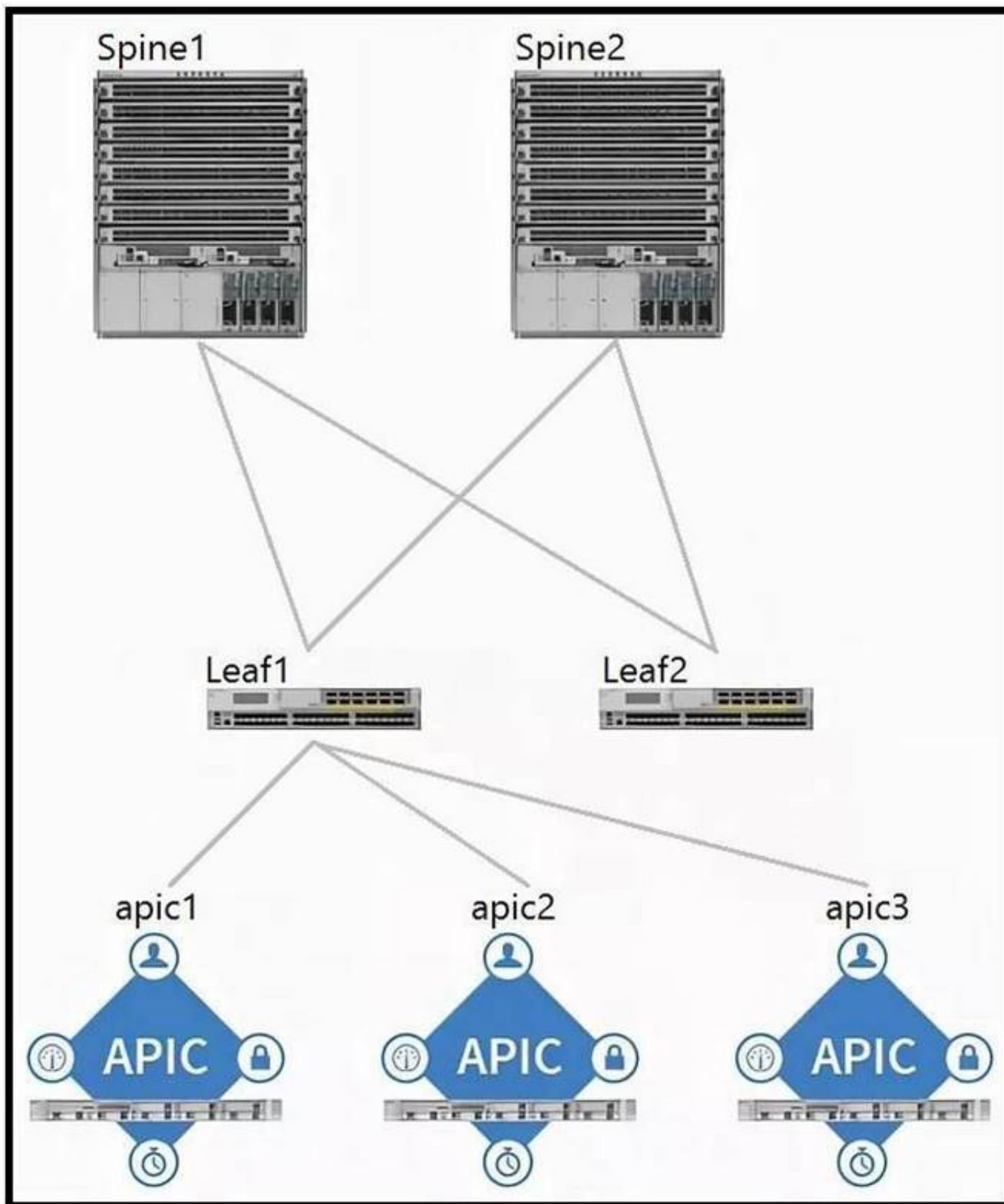
**Answer:** C

**Explanation:**  
Reference: [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/aci-fundamentals/b\\_ACI-Fundamentals/b\\_ACI-Fundamentals\\_chapter\\_010011.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/aci-fundamentals/b_ACI-Fundamentals/b_ACI-Fundamentals_chapter_010011.html)

**NEW QUESTION 8**

Refer to the exhibit.





Which two components should be configured as route reflectors in the ACI fabric? (Choose two.)

- A. Spine1
- B. apic1
- C. Spine2
- D. Leaf1
- E. Leaf2
- F. apic2

**Answer:** AC

#### NEW QUESTION 9

When creating a subnet within a bridge domain, which configuration option is used to specify the network visibility of the subnet?

- A. limit IP learning to subnet
- B. scope
- C. gateway IP
- D. subnet control

**Answer:** C

#### Explanation:

Reference: [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/Operating\\_ACI/guide/b\\_Cisco\\_Operating\\_ACI/b\\_Cisco\\_Operating\\_ACI\\_chapter\\_0111.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/Operating_ACI/guide/b_Cisco_Operating_ACI/b_Cisco_Operating_ACI_chapter_0111.html)

#### NEW QUESTION 10

Which table holds IP address, MAC address and VXLAN/VLAN information on a Cisco ACI leaf?

- A. endpoint
- B. adjacency
- C. RIB
- D. ARP

**Answer:** A

**Explanation:**

Reference: <https://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/application-centric-infrastructure/white-paper-c11-739989.html>

**NEW QUESTION 10**

Which two types of interfaces are supported on border leaf switches to connect to an external router? (Choose two.)

- A. subinterface with VXLAN tagging
- B. subinterface with 802.1Q tagging
- C. FEX host interface
- D. out of band interface
- E. Switch Virtual Interface

**Answer:** BE

**NEW QUESTION 11**

An engineer is extending EPG connectivity to an external network. The external network houses the Layer 3 gateway and other end hosts. Which ACI bridge domain configuration should be used?

- A. Forwarding: CustomL2 Unknown Unicast: Hardware Proxy L3 Unknown Multicast Flooding: Flood Multi Destination Flooding: Flood in BD ARP Flooding: Enabled
- B. Forwarding: Custom L2 Unknown Unicast: FloodL3 Unknown Multicast Flooding: Flood Multi Destination Flooding: Flood in BD ARP Flooding: Enabled
- C. Forwarding: CustomL2 Unknown Unicast: Hardware Proxy L3 Unknown Multicast Flooding: Flood Multi Destination Flooding: Flood in BD ARP Flooding: Disabled
- D. Forwarding: Custom L2 Unknown Unicast: FloodL3 Unknown Multicast Flooding: Flood Multi Destination Flooding: Flood in BD ARP Flooding: Disabled

**Answer:** D

**NEW QUESTION 16**

An engineer configured a bridge domain with the hardware-proxy option for Layer 2 unknown unicast traffic. Which statement is true about this configuration?

- A. The leaf switch drops the Layer 2 unknown unicast packet if it is unable to find the MAC address in the local forwarding tables.
- B. The Layer 2 unknown hardware proxy lacks support of the topology change notification.
- C. The leaf switch forwards the Layers 2 unknown unicast packets to all other leaf switches if it is unable to find the MAC address in its local forwarding tables.
- D. The spine switch drops the Layer 2 unknown unicast packet if it is unable to find the MAC address in the proxy database.

**Answer:** A

**NEW QUESTION 20**

Which action sets Layer 2 loop migration in an ACI Fabric with a Layer 2 Out configured?

- A. Enable MCP on the ACI fabric.
- B. Disable STP in the external network.
- C. Disable STP on the ACI fabric.
- D. Enable STP on the ACI fabric.

**Answer:** A

**NEW QUESTION 21**

Which two actions extend a Layer 2 domain beyond the ACI fabric? (Choose two.)

- A. extending the routed domain out of the ACI fabric
- B. creating a single homed Layer 3 Out
- C. creating an external physical network
- D. extending the bridge domain out of the ACI fabric
- E. extending the EPG out of the ACI fabric

**Answer:** AE

**NEW QUESTION 25**

Which two dynamic routing protocols are supported when using Cisco ACI to connect to an external Layer 3 network? (Choose two.)

- A. iBGP
- B. VXLAN
- C. IS-IS
- D. RIPv2
- E. eBGP

**Answer:** AE

**Explanation:**

Reference: [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/ACI\\_Best\\_Practices/b\\_ACI\\_Best\\_Practices/b\\_ACI\\_Best\\_Practices\\_chapter\\_010010.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/ACI_Best_Practices/b_ACI_Best_Practices/b_ACI_Best_Practices_chapter_010010.html)

#### NEW QUESTION 28

What must be configured to redistribute externally learned OSPF routes within the ACI fabric?

- A. Route Control Profile
- B. BGP Route Reflector
- C. BGP Inter-leak Route Map
- D. PIM Sparse Mode

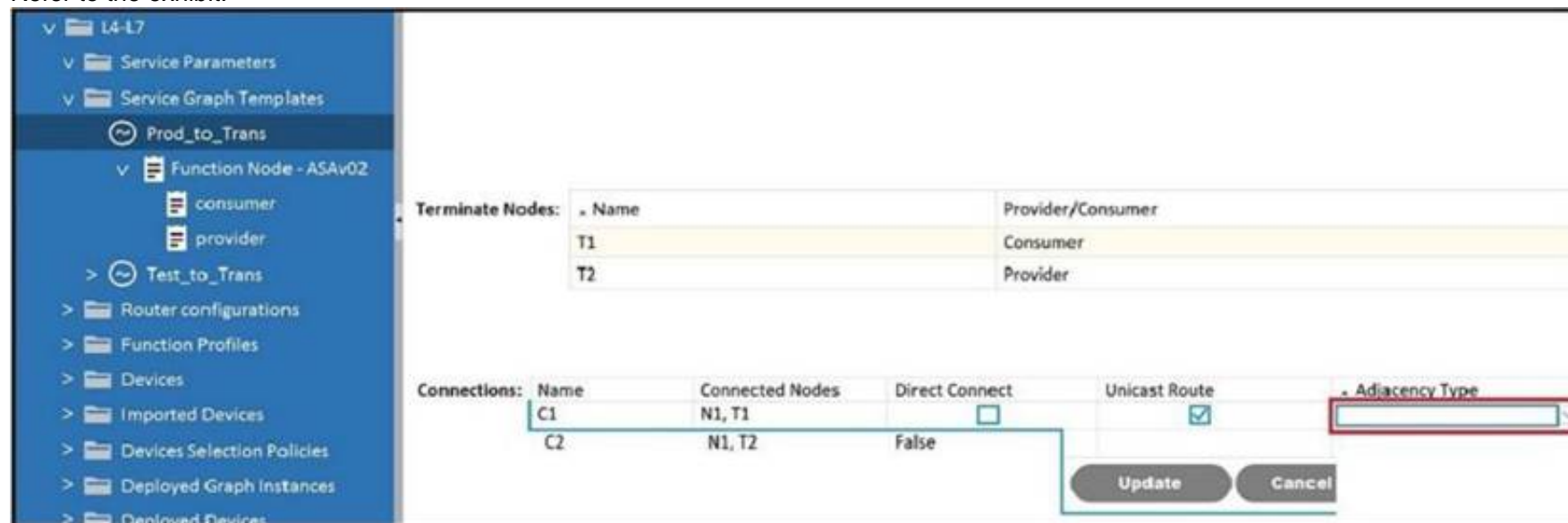
**Answer: B**

#### Explanation:

Reference: [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/ACI\\_Best\\_Practices/b\\_ACI\\_Best\\_Practices/b\\_ACI\\_Best\\_Practices\\_chapter\\_010010.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/ACI_Best_Practices/b_ACI_Best_Practices/b_ACI_Best_Practices_chapter_010010.html)

#### NEW QUESTION 30

Refer to the exhibit.



Terminate Nodes:		Provider/Consumer	
Name			
T1		Consumer	
T2		Provider	

Connections:	Name	Connected Nodes	Direct Connect	Unicast Route	Adjacency Type
	C1	N1, T1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<div>Adjacency Type</div>
	C2	N1, T2	False		

Update Cancel

Which Adjacency Type value should be set when the client endpoint and the service node interface are in a different subnet?

- A. Routed
- B. Unicast
- C. L3Out
- D. L3

**Answer: D**

#### NEW QUESTION 35

When configuring Cisco ACI VMM domain integration with VMware vCenter, which object is created in vCenter?

- A. datacenter
- B. VMware vSphere Standard vSwitch
- C. VMware vSphere Distributed Switch
- D. cluster

**Answer: C**

#### NEW QUESTION 36

An engineer has set the VMM resolution immediacy to pre-provision in a Cisco ACI environment. No Cisco Discovery Protocol neighborship has been formed between the hypervisors and the ACI fabric leaf nodes. How does this affect the download policies to the leaf switches?

- A. No policies are downloaded because LLDP is the only supported discovery protocol.
- B. Policies are downloaded when the hypervisor host is connected to the VMM VDS.
- C. Policies are downloaded to the ACI leaf switch regardless of Cisco Discovery Protocol neighborship.
- D. No policies are downloaded because there is no discovery protocol neighborship.

**Answer: C**

#### NEW QUESTION 37

What must be configured to allow SNMP traffic on the APIC controller?

- A. out-of-band management interface
- B. contract under tenant mgmt
- C. SNMP relay policy
- D. out-of-band bridge domain

**Answer: B**

#### NEW QUESTION 40

A data center administrator is upgrading an ACI fabric. There are 3 APIC controllers in the fabric and all the servers are dual-homed to pairs of leaf switches configured in VPC mode. How should the fabric be upgraded to minimize possible traffic impact during the upgrade?

- A. \* 1. Create two maintenance groups for the APIC controllers: VPC left and VPC right.\* 2. Upgrade the first group of controllers.\* 3. Upgrade the second group of



controllers.\* 4. Upgrade the leaf switches.

B. \* 1. Create two maintenance groups for APIC controllers: VPC left and VPC right.\* 2. Upgrade the leaf switches.\* 3. Upgrade the first group of controllers.\* 4. Upgrade the second group of controllers.

C. \* 1. Create two maintenance groups for the leaf switches: VPC left and VPC right.\* 2. Upgrade the APIC controllers.\* 3. Upgrade the first group of leaf switches.\* 4. Upgrade the second group of leaf switches.

D. \* 1. Create two maintenance groups for the leaf switches: VPC left and VPC right.\* 2. Upgrade the first group of switches.\* 3. Upgrade the second group of switches.\* 4. Upgrade the APIC controllers.

**Answer:** D

#### NEW QUESTION 44

In the context of ACI Multi-Site, when is the information of an endpoint (MAC/IP) that belongs to site 1 advertised to site 2 using the EVPN control plane?

A. Endpoint information is not exchanged across sites unless COOP protocol is used.

B. Endpoint information is not exchanged across sites unless a policy is configured to allow communication across sites.

C. Endpoint information is exchanged across sites as soon as the endpoint is discovered in one site.

D. Endpoint information is exchanged across sites when the endpoints are discovered in both sites.

**Answer:** A

#### Explanation:

Reference: <https://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/application-centric-infrastructure/white-paper-c11-739609.html#CiscoACIMultiSiteoverlaydataplane>

#### NEW QUESTION 45

What are two requirements for the IPN network when implementing a Multi-Pod ACI fabric? (Choose two.)

A. EIGRP routing

B. PIM ASM multicast routing

C. BGP routing

D. VLAN ID 4

E. OSPF routing

**Answer:** AE

#### NEW QUESTION 49

A Solutions Architect is asked to design two data centers based on Cisco ACI technology that can extend L2/L3, VXLAN, and network policy across locations. ACI Multi-Pod has been selected. Which two requirements must be considered in this design? (Choose two.)

A. ACI underlay protocols, i.

B. COOP, IS-IS and MP-BGP, spans across pod

C. Create QoS policies to make sure those protocols have higher priority.

D. A single APIC Cluster is required in a Multi-Pod design

E. It is important to place the APIC Controllers in different locations in order to maximize redundancy and reliability.

F. ACI Multi-Pod requires an IP Network supporting PIM-Bidir.

G. ACI Multi-Pod does not support Firewall Clusters across Pod

H. Firewall Clusters should always be local.

I. Multi-Pod requires multiple APIC Controller Clusters, one per pod

J. Make sure those clusters can communicate to each other through a highly available connection.

**Answer:** AE

#### NEW QUESTION 52

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