



# Cisco

## Exam Questions 300-620

Implementing Cisco Application Centric Infrastructure (DCACI)

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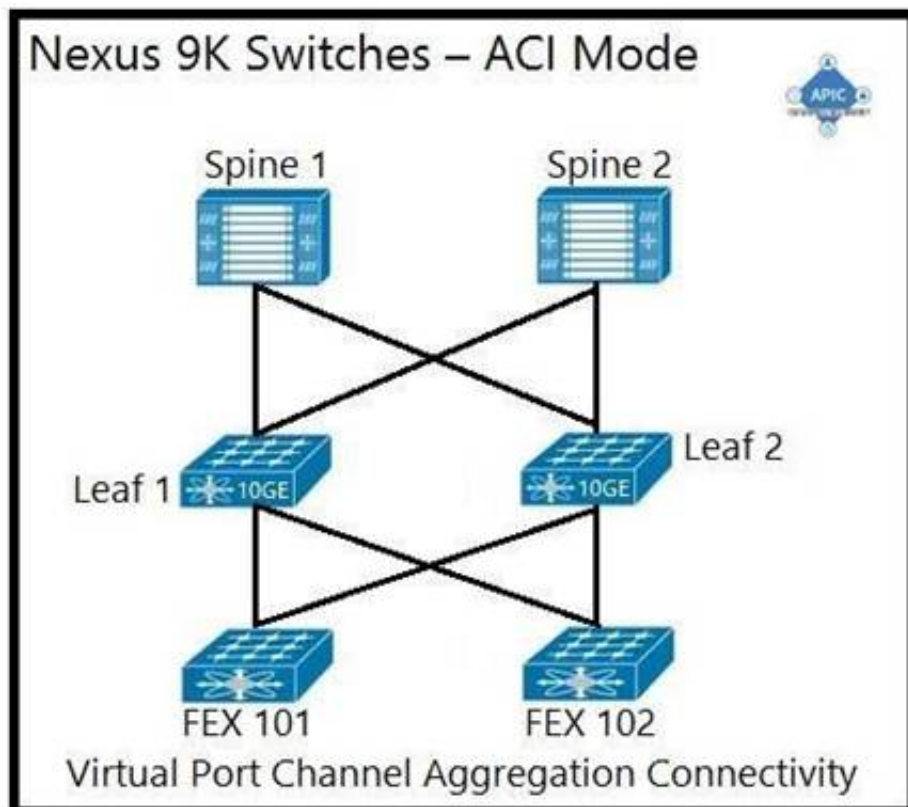
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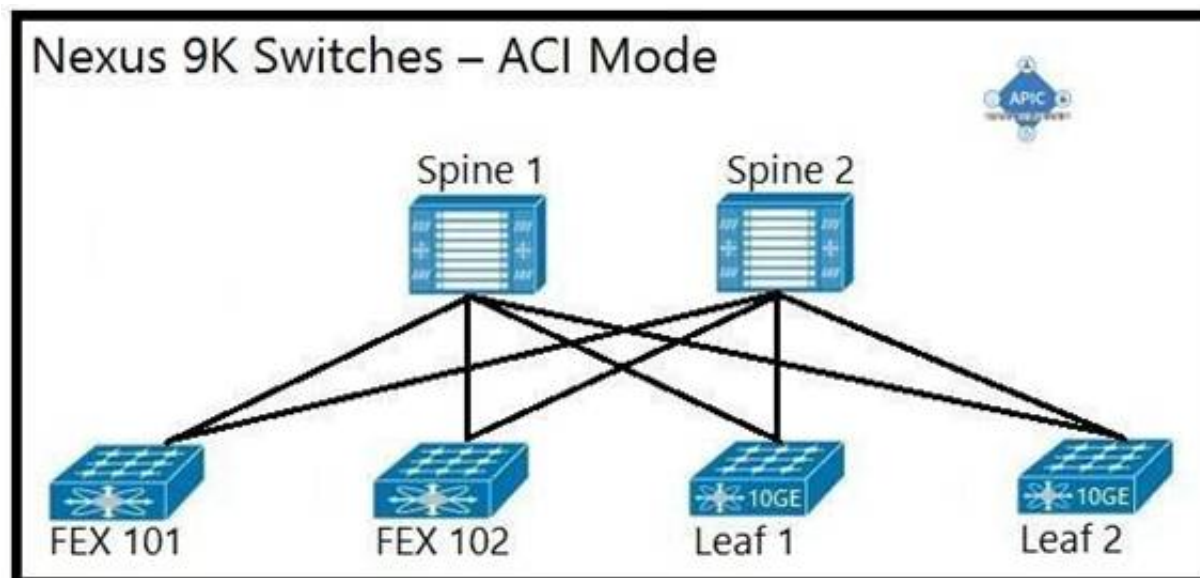
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**NEW QUESTION 1**

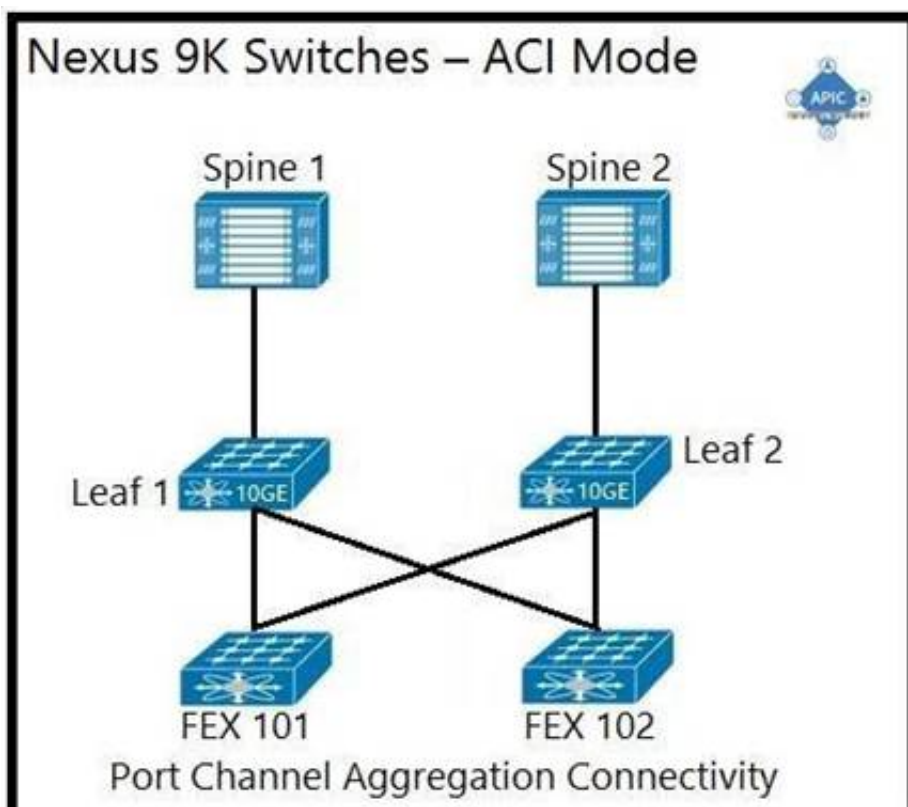
An engineer is implementing a Cisco ACI data center network that includes Cisco Nexus 2000 Series 10G fabric extenders. Which physical topology is supported?  
A.



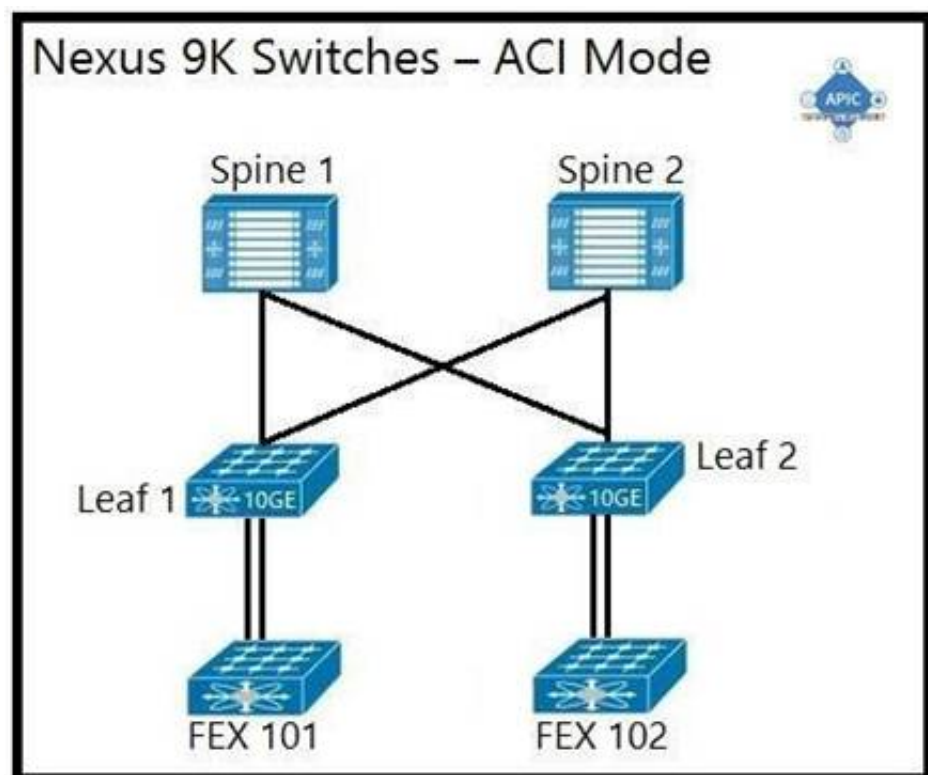
B.



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 type of profile needs to be created to deploy an access port policy group?

- A. attachable entity
- B. Pod
- C. module
- D. leaf interface

**Answer:** A

#### Explanation:

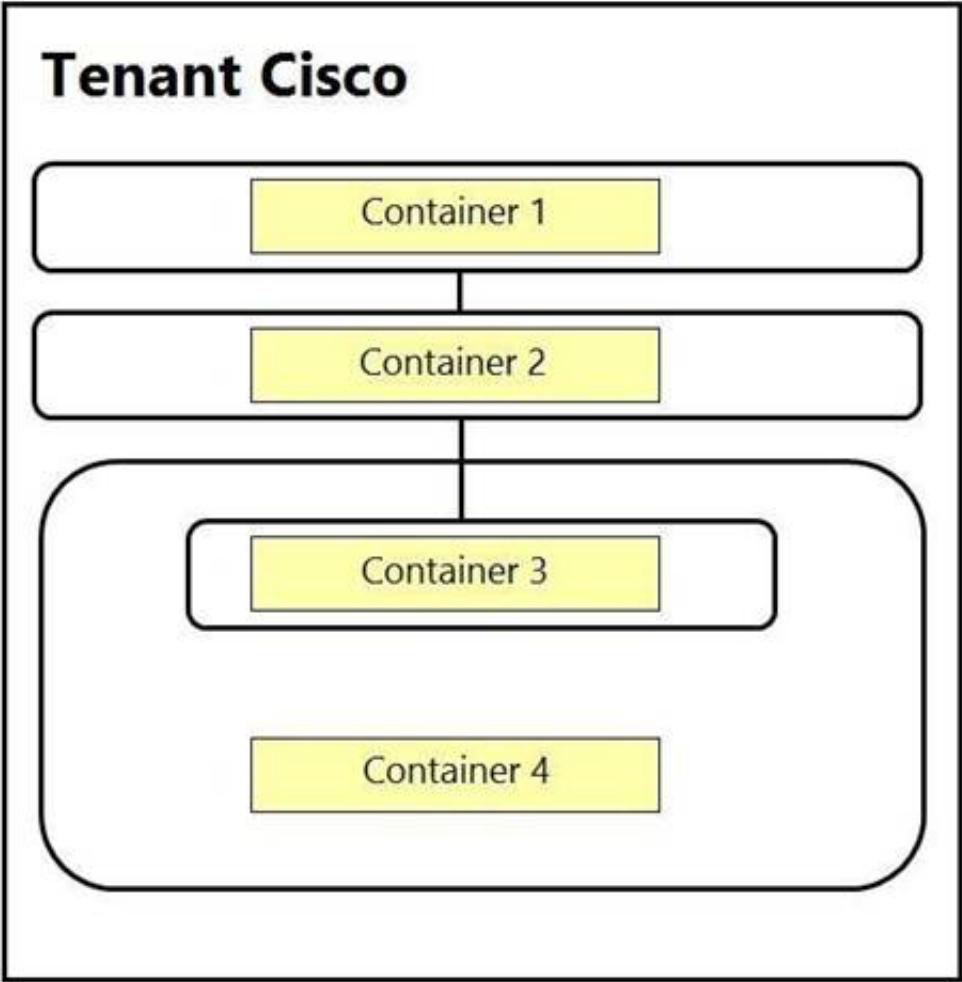
Reference: [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/Operating\\_ACI/guide/b\\_Cisco\\_Operating\\_ACI/b\\_Cisco\\_Operating\\_ACI\\_chapter\\_0110.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/Operating_ACI/guide/b_Cisco_Operating_ACI/b_Cisco_Operating_ACI_chapter_0110.html)

#### NEW QUESTION 4

DRAG DROP

An engineer is configuring a VRF for a tenant named Cisco. Drag and drop the child objects on the left onto the correct containers on the right for this configuration.

- Application profile
- Bridge domain
- EPG
- VRF

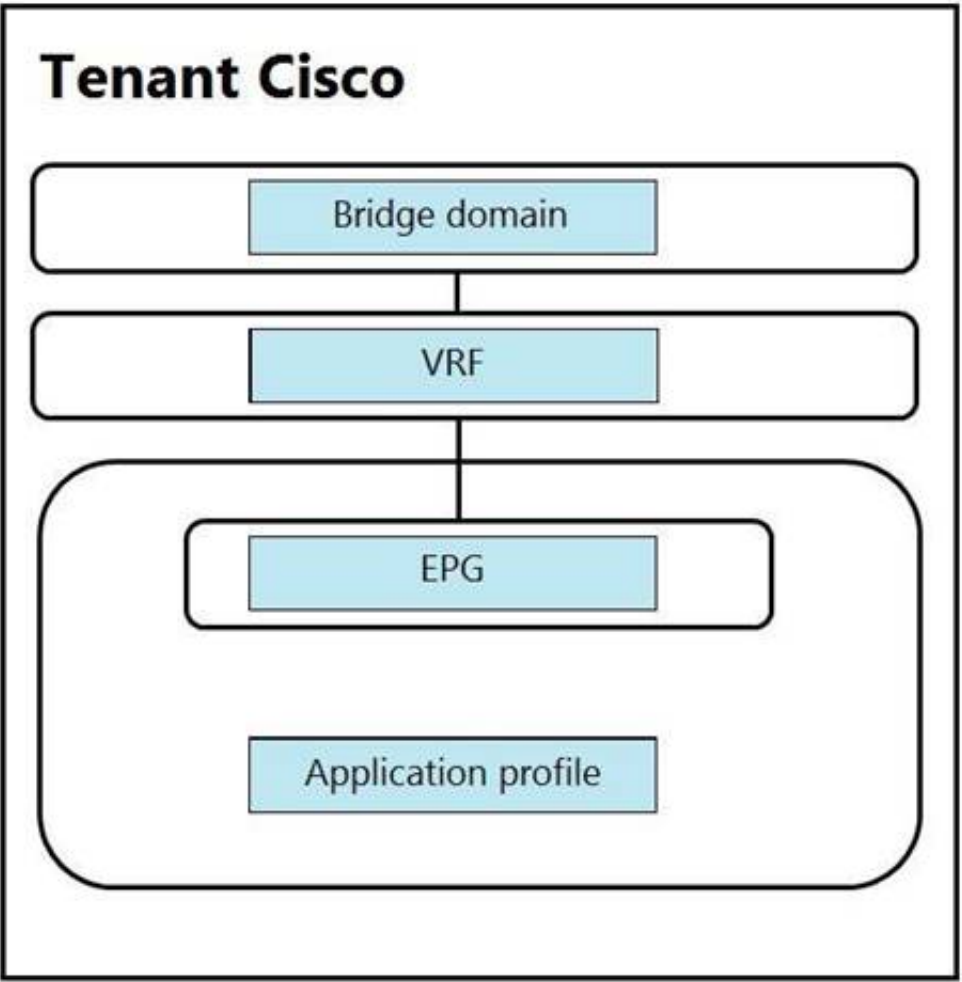


- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- Application profile
- Bridge domain
- EPG
- VRF



NEW QUESTION 5

An engineer is implementing Cisco ACI at a large platform-as-a-service provider using APIC controllers, 9396PX leaf switches, and 9336PQ spine switches. The leaf switch ports are configured as IEEE 802.1p ports. Where does the traffic exit from the EPG in IEEE 802.1p mode in this configuration?

- A. from leaf ports tagged as VLAN 0
- B. from leaf ports untagged
- C. from leaf ports tagged as VLAN 4094
- D. from leaf ports tagged as VLAN 1

Answer: A

NEW QUESTION 6

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 7**

What does a bridge domain represent?

- A. Layer 3 cloud
- B. Layer 2 forwarding construct
- C. tenant
- D. physical domain

**Answer:** B

**Explanation:**

Reference: [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/2-x/L2\\_config/b\\_Cisco\\_APIC\\_Layer\\_2\\_Configuration\\_Guide/b\\_Cisco\\_APIC\\_Layer\\_2\\_Configuration\\_Guide\\_chapter\\_010.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/2-x/L2_config/b_Cisco_APIC_Layer_2_Configuration_Guide/b_Cisco_APIC_Layer_2_Configuration_Guide_chapter_010.html)

**NEW QUESTION 8**

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 9**

Which setting prevents the learning of Endpoint IP addresses whose subnet does not match the bridge domain subnet?

- A. "Limit IP learning to network" setting within the bridge domain.
- B. "Limit IP learning to subnet" setting within the EPG.
- C. "Limit IP learning to network" setting within the EPG.
- D. "Limit IP learning to subnet" setting within the bridge domain.

**Answer:** D

**Explanation:**

Reference: [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/2-x/L2\\_config/b\\_Cisco\\_APIC\\_Layer\\_2\\_Configuration\\_Guide/b\\_Cisco\\_APIC\\_Layer\\_2\\_Configuration\\_Guide\\_chapter\\_010.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/2-x/L2_config/b_Cisco_APIC_Layer_2_Configuration_Guide/b_Cisco_APIC_Layer_2_Configuration_Guide_chapter_010.html)

**NEW QUESTION 10**

Which endpoint learning operation is completed on the egress leaf switch when traffic is received from an L3Out?

- A. The source MAC and IP address of the traffic is learned as a local endpoint.
- B. The source MAC address of the traffic is learned as a remote endpoint.
- C. No source MAC or IP address of the traffic is learned as a remote endpoint.
- D. The source IP address of the traffic is learned as a remote endpoint.

**Answer:** B

**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**

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 13

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 18

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 22

When Cisco ACI connects to an outside Layers 2 network, where does the ACI fabric flood the STP BPDU frame?

- A. within the bridge domain
- B. within the APIC
- C. within the access encap VLAN
- D. between all the spine and leaf switches

**Answer:** A

#### Explanation:

Reference: [https://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/application-centric-infrastructure/white-paper-c07-732033.html#\\_Toc395143571](https://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/application-centric-infrastructure/white-paper-c07-732033.html#_Toc395143571)

### NEW QUESTION 27

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

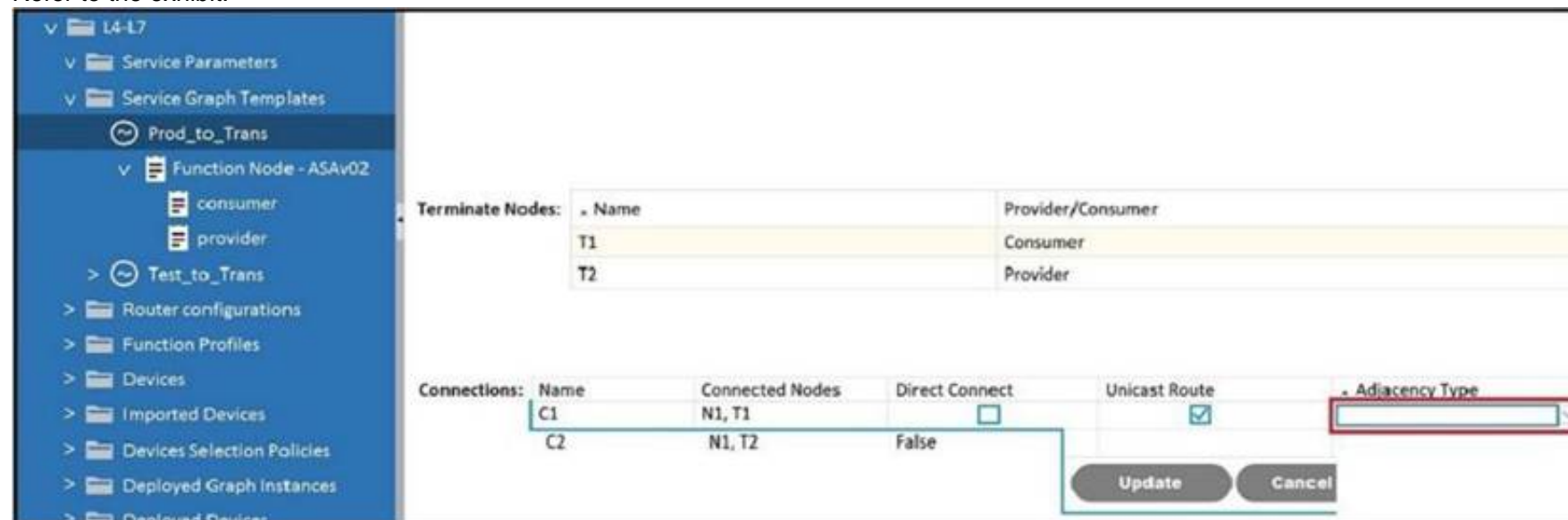
**Answer:** AE

#### 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

Refer to the exhibit.



Terminate Nodes:	
Name	Provider/Consumer
T1	Consumer
T2	Provider

Name	Connected Nodes	Direct Connect	Unicast Route	Adjacency Type
C1	N1, T1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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 29**  
Refer to the exhibit.

### Create vCenter Domain

Virtual Switch Name:

Virtual Switch: VMware vSphere Distributed Switch Cisco AVS Cisco AVE

Associated Attachable Entity Profile: Lab-ApplicationAttachableAccessEn

Delimiter:

Enable Tag Collection: ☐

Access Mode: Read Only Mode Read Write Mode

Endpoint Retention Time (seconds):

VLAN Pool: select an option

Security Domains:

Name	Description
------	-------------

An engineer is integrating a VMware vCenter with Cisco ACI VMM domain configuration. ACI creates port-group names with the format of “Tenant | Application | EPG”. Which configuration option is used to generate port groups with names formatted as “Tenant=Application=EPG”?

- A. enable tag collection
- B. security domains
- C. delimiter
- D. virtual switch name

**Answer: D**

**NEW QUESTION 34**  
Refer to the exhibit.

### Create vCenter Domain

vCenter Credentials:

Profile name	Username	Description
Lab-VCenter	admin	

vCenter:

Name	IP	Type	Stats Collection
Lab-VCenter	vcenter.aci.lab	vCenter	Disabled

Port Channel Mode: select a value

- Static Channel – Mode On
- LACP Active
- LACP Passive
- MAC Pinning+
- MAC Pinning-Physical-NIC-load

Cancel Submit

An engineer is implementing Cisco ACI – VMware vCenter integration for a blade server that lacks support of bonding. Which port channel mode results in “route based on originating virtual port” on the VMware VDS?

- A. Static Channel – Mode On
- B. MAC Pinning-Physical-NIC-load
- C. LACP Passive
- D. MAC Pinning+
- E. LACP Active

**Answer: D**

**NEW QUESTION 37**  
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 38

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 40

Which new construct must a user create when configuring in-band management?

- A. VLAN pool
- B. management contract
- C. management tenant
- D. bridge domain

**Answer:** D

#### Explanation:

Reference: [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/kb/b\\_KB\\_Configuring\\_Static\\_Management\\_Access.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/kb/b_KB_Configuring_Static_Management_Access.html)

#### NEW QUESTION 41

Which type of port is used for in-band management within ACI fabric?

- A. spine switch port
- B. APIC console port
- C. leaf access port
- D. management port

**Answer:** C

#### NEW QUESTION 45

Which statement about ACI syslog is true?

- A. Notifications for different scopes of syslog objects can be sent only to one destination.
- B. Syslog messages are sent to the destination through the spine.
- C. All syslog messages are sent to the destination through APIC.
- D. Switches send syslog messages directly to the destinations.

**Answer:** A

#### Explanation:

Reference: <https://www.ciscolive.com/c/dam/r/ciscolive/us/docs/2016/pdf/BRKACI-2303.pdf>

#### NEW QUESTION 46

Which two protocols support accessing backup files on a remote location from the APIC? (Choose two.)

- A. TFTP
- B. FTP
- C. SFTP
- D. SMB
- E. HTTPS

**Answer:** BC

#### Explanation:

Reference: [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/troubleshooting/b\\_APIC\\_Troubleshooting/b\\_APIC\\_Troubleshooting\\_appendix\\_010011.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/troubleshooting/b_APIC_Troubleshooting/b_APIC_Troubleshooting_appendix_010011.html)

#### NEW QUESTION 49

Which statement regarding ACI Multi-Pod and TEP pool is true?

- A. The IP addresses used in the IPN network can overlap TEP pool of the APIC.
- B. A different TEP pool must be assigned to each Pod.
- C. The Pod1 TEP pool must be split and a portion of the TEP pool allocated to each Pod.
- D. The same TEP pool is used in all Pods.

**Answer:** B

**Explanation:**

Reference: <https://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/application-centric-infrastructure/white-paper-c11-739714.html>

**NEW QUESTION 54**

Which two statements regarding ACI Multi-Site are true? (Choose two.)

- A. The Multi-Site orchestrator must be directly attached to one ACI leaf.
- B. Routers in the Inter-Site network must run OSPF, DHCP relay, and MP-BGP.
- C. ACI Multi-Site is a solution that supports a dedicated APIC cluster per site.
- D. ACI Multi-Site is a solution that allows one APIC cluster to manage multiple ACI sites.
- E. The Inter-Site network routers should run OSPF to establish peering with the spines.

**Answer:** AE

**NEW QUESTION 59**

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 61**

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