



## **Cisco**

### **Exam Questions 300-620**

Implementing Cisco Application Centric Infrastructure (DCACI)

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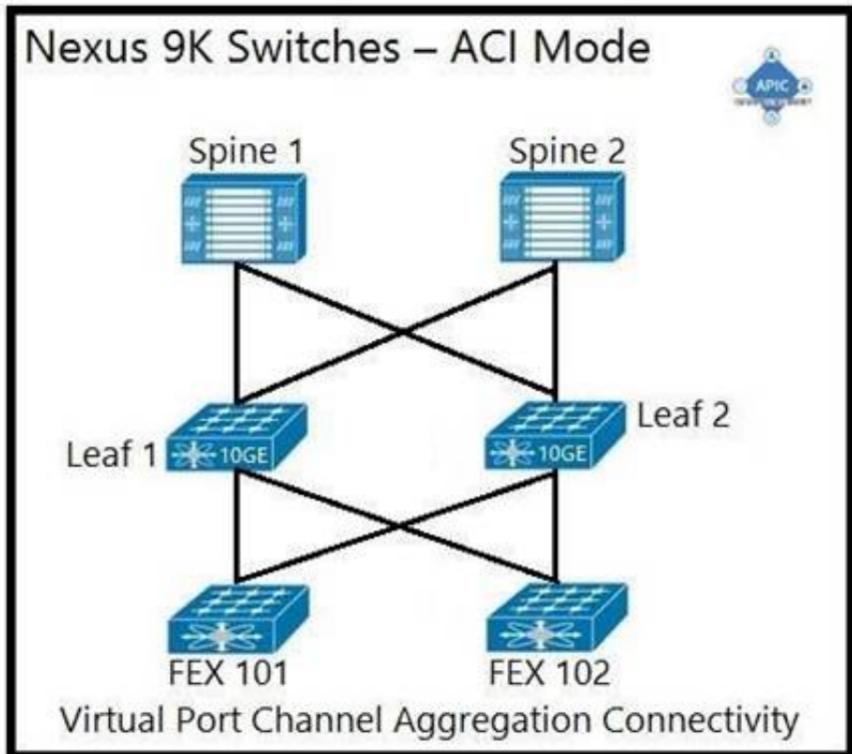
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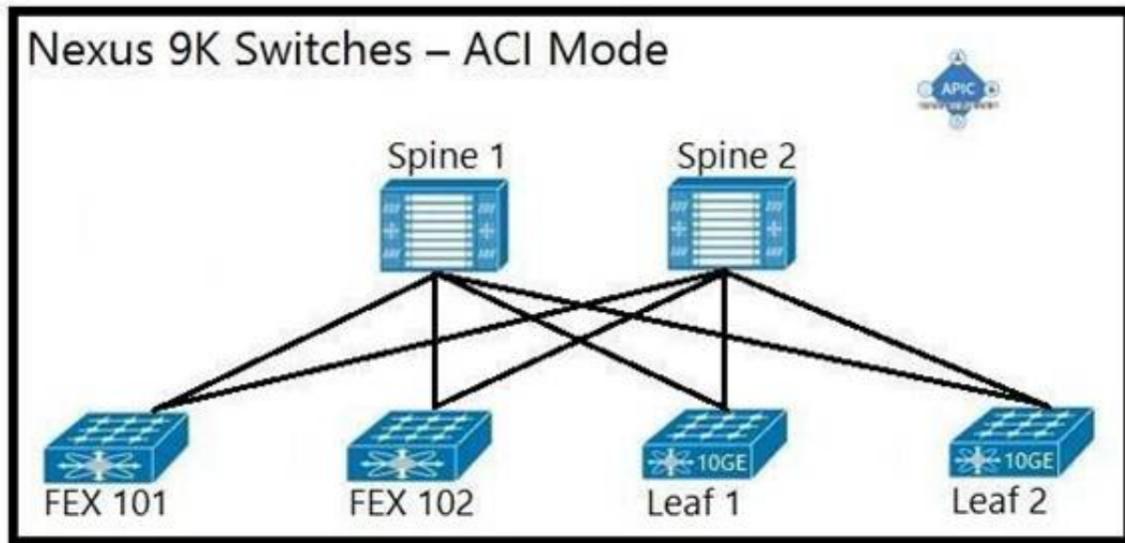
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**NEW QUESTION 1**

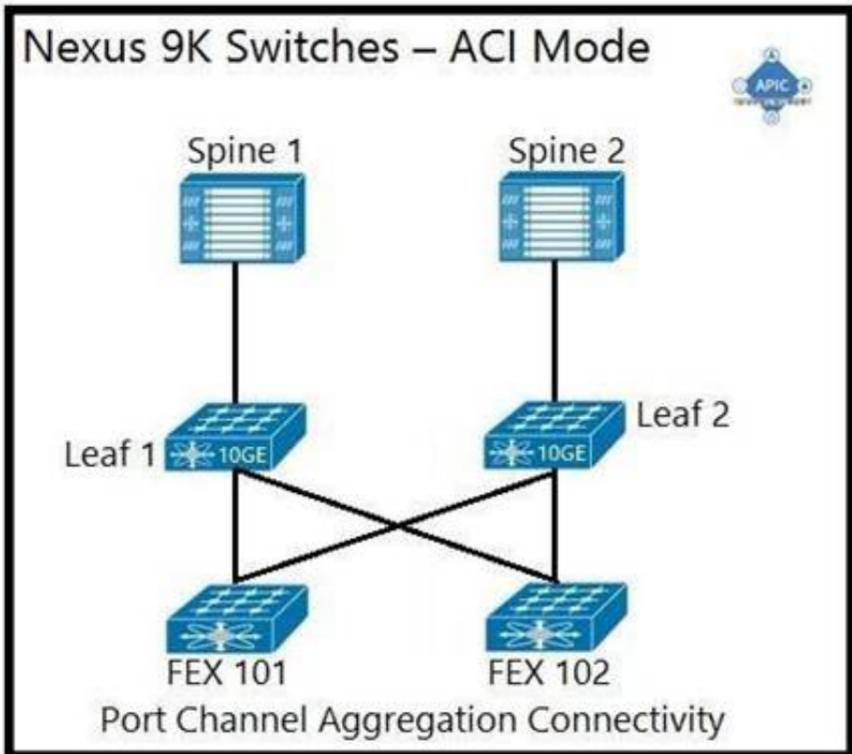
An engineer is implementing a Cisco ACI data center network that includes Cisco Nexus 2000 Series 10G fabric extenders. Which physical topology is supported?  
 A.



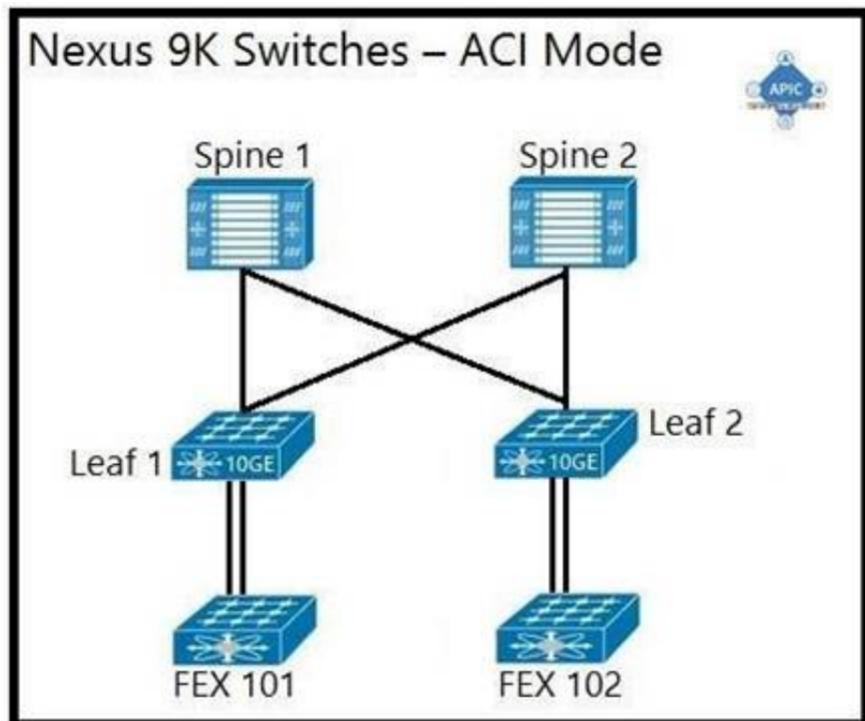
B.



C.



A.



**Answer:** D

**NEW QUESTION 2**

An ACI administrator notices a change in the behavior of the fabric. Which action must be taken to determine if a human intervention introduced the change?

- A. Inspect event records in the APIC UI to see all actions performed by users.
- B. Inspect `/var/log/audit_messages` on the APIC to see a record of all user actions.
- C. Inspect audit logs in the APIC UI to see all user events.
- D. Inspect the output of `show command history` in the APIC CLI.

**Answer:** A

**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:**

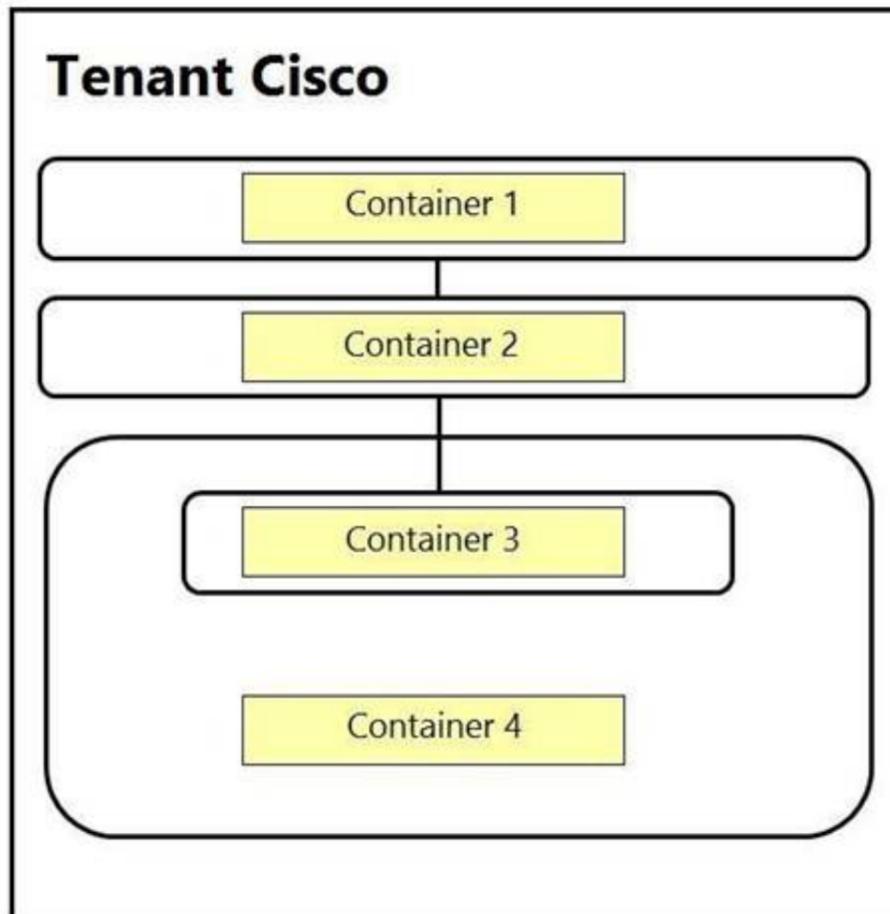
Reference: [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/Operating\\_ACI/guide/b\\_Cisco\\_Operating\\_ACI/b\\_Cisco\\_Operating\\_ACI\\_chapter\\_0110.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/Operating_ACI/guide/b_Cisco_Operating_ACI/b_Cisco_Operating_ACI_chapter_0110.html)

**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

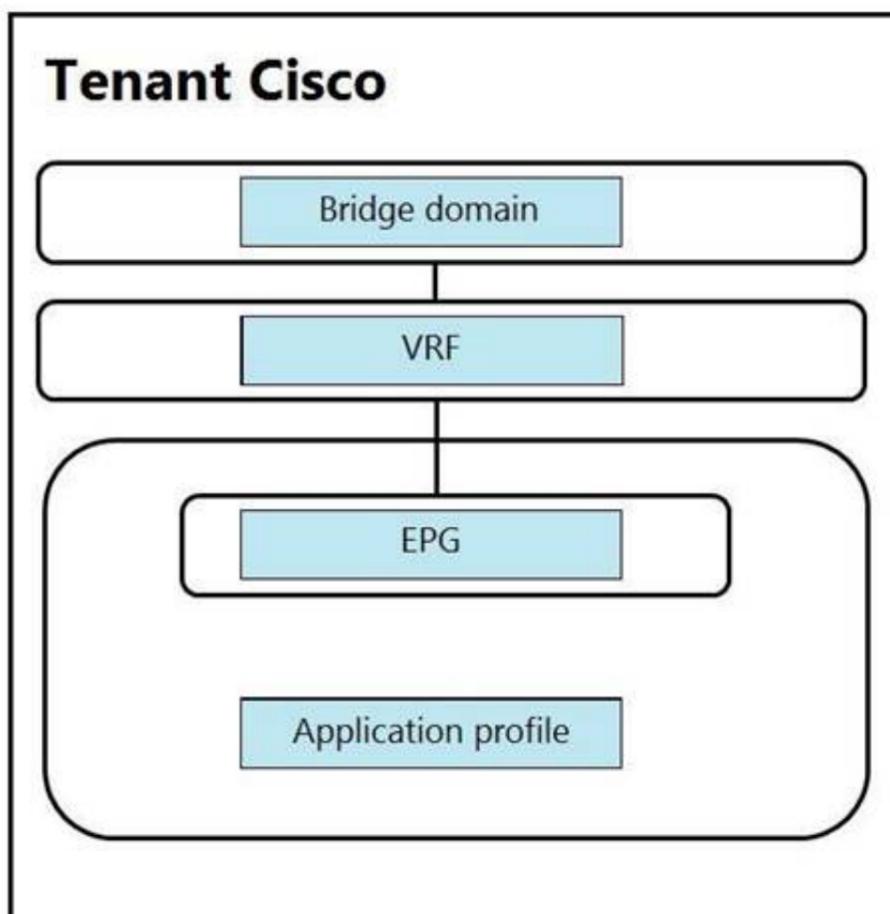


- A. Mastered
- B. Not Mastered

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**

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	Optional Parameters
ARP Flag	
Ether Type	
IP Protocol	
Source Port From	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**

Where is the COOP database located?

- A. leaf
- B. spine
- C. APIC
- D. endpoint

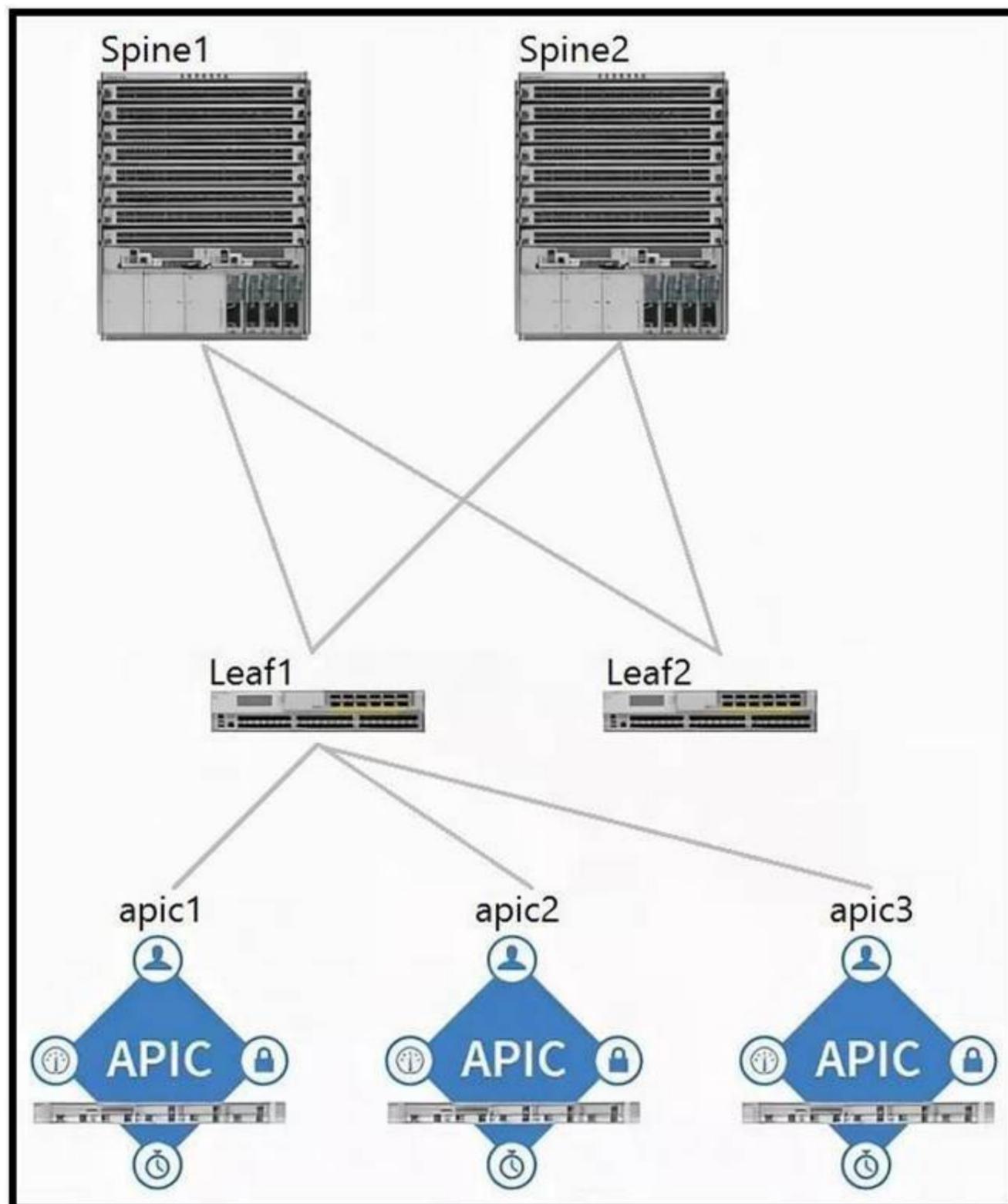
**Answer:** B

**Explanation:**

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

**NEW QUESTION 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**

What must be enabled in the bridge domain to have the endpoint table learn the IP addresses of endpoints?

- A. L2 unknown unicast: flood
- B. GARP based detection
- C. unicast routing
- D. subnet scope

**Answer:** C

**Explanation:**

Reference: <https://hsvglobalschool.in/dhkycw/cisco-aci-bridge-domain.html>

**NEW QUESTION 13**

An engineer is implementing a connection that represents an external bridged network. Which two configurations are used? (Choose two.)

- A. Layer 2 remote fabric
- B. Layer 2 outside
- C. Layers 2 internal
- D. Static path binding
- E. VXLAN outside

**Answer:** AB

**NEW QUESTION 16**

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 18**

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 19**

Refer to the exhibit.

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 22**

Refer to the exhibit.

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 27**

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 neighborhood.
- D. No policies are downloaded because there is no discovery protocol neighborhood.

**Answer:** C

#### NEW QUESTION 29

Which tenant is used when configuring in-band management IP addresses for Cisco APICs, leaf nodes, and spine nodes?

- A. default
- B. infra
- C. common
- D. mgmt

**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#concept\\_CFF63FEBE947424291B0F10E6F23DA7D](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/kb/b_KB_Configuring_Static_Management_Access.html#concept_CFF63FEBE947424291B0F10E6F23DA7D)

#### NEW QUESTION 34

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 36

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 37

Refer to the exhibit.

## Edit Stats Threshold

**transmit B2B credit cumulative**

Normal Value:

Threshold Direction:  Both  Rising  Falling

Rising Thresholds to Config:

- Critical
- Major
- Minor
- Warning

Rising

	Set	Reset
Critical	<input type="text" value="500"/>	<input type="text"/>
Major		
Minor		
Warning	<input type="text" value="400"/>	<input type="text" value="300"/>

A client reports that the ACI domain connectivity to the fiber channel storage is experiencing a B2B credit oversubscription. The environment has a SYSLOG server for state collection messages. Which value should be chosen to clear the critical fault?

- A. 300
- B. 410
- C. 350
- D. 510

**Answer: B**

**NEW QUESTION 39**

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 42**

Which protocol does ACI use to securely sane the configuration in a remote location?

- A. SCP
- B. HTTPS
- C. TFTP
- D. FTP

**Answer: A**

**Explanation:**

Reference: [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/kb/b\\_KB\\_Using\\_Import\\_Export\\_to\\_Recover\\_Config\\_States.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/kb/b_KB_Using_Import_Export_to_Recover_Config_States.html)

**NEW QUESTION 45**

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 48**

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 52**

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 53**

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 58**

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