

# Cisco

## Exam Questions 300-620

Implementing Cisco Application Centric Infrastructure (DCACI)



#### NEW QUESTION 1

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 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

Which type of policy configures the suppression of faults that are generated from a port being down?

- A. fault lifecycle assignment
- B. event lifecycle assignment
- C. fault severity assignment
- D. event severity assignment

**Answer:** C

#### Explanation:

Reference: [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/all/faults/guide/b\\_APIC\\_Faults\\_Errors/b\\_IFC\\_Faults\\_Errors\\_chapter\\_01.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/all/faults/guide/b_APIC_Faults_Errors/b_IFC_Faults_Errors_chapter_01.html)

#### NEW QUESTION 5

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 6

Which feature dynamically assigns or modifies the EPG association of virtual machines based on their attributes?

- A. vzAny contracts
- B. standard contracts
- C. application EPGs
- D. uSeg EPGs

**Answer:** D

**NEW QUESTION 7**

Which feature allows firewall ACLs to be configured automatically when new endpoints are attached to an EPG?

- A. ARP gleaning
- B. dynamic endpoint attach
- C. hardware proxy
- D. network-stitching

**Answer:** B

**NEW QUESTION 8**

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 9**

Where is the COOP database located?

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

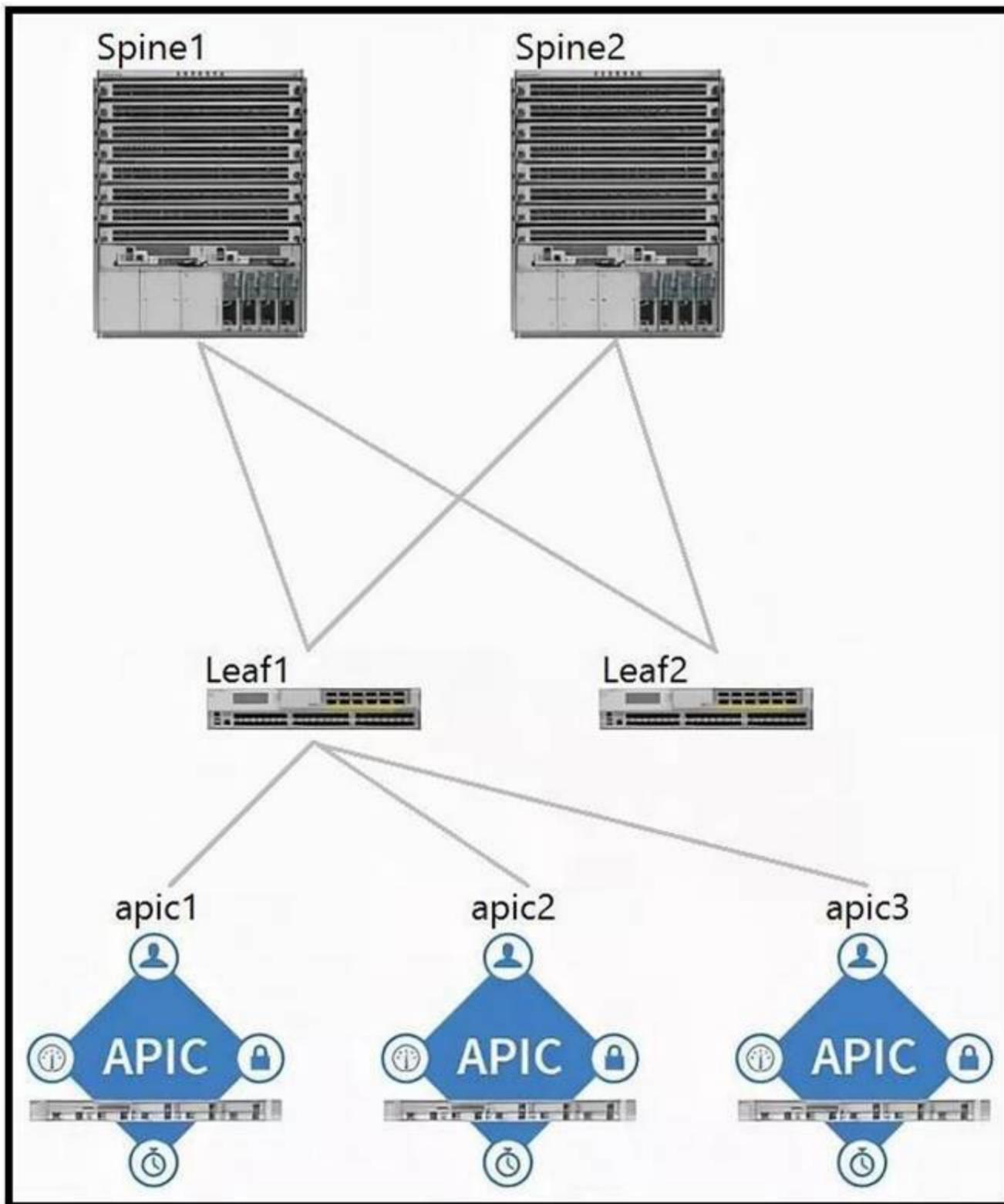
**Answer:** B

**Explanation:**

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

**NEW QUESTION 10**

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 10**

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 11**

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 14**

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 16**

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 18**

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 20**

On which two interface types should a user configure storm control to protect against broadcast traffic? (Choose two.)

- A. APIC facing interfaces
- B. port channel on a single leaf switch
- C. all interfaces on the leaf switches in the fabric
- D. endpoint-facing trunk interface
- E. fabric uplink interfaces on the leaf switches

**Answer:** BD

**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\\_01010.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_01010.html)

**NEW QUESTION 25**

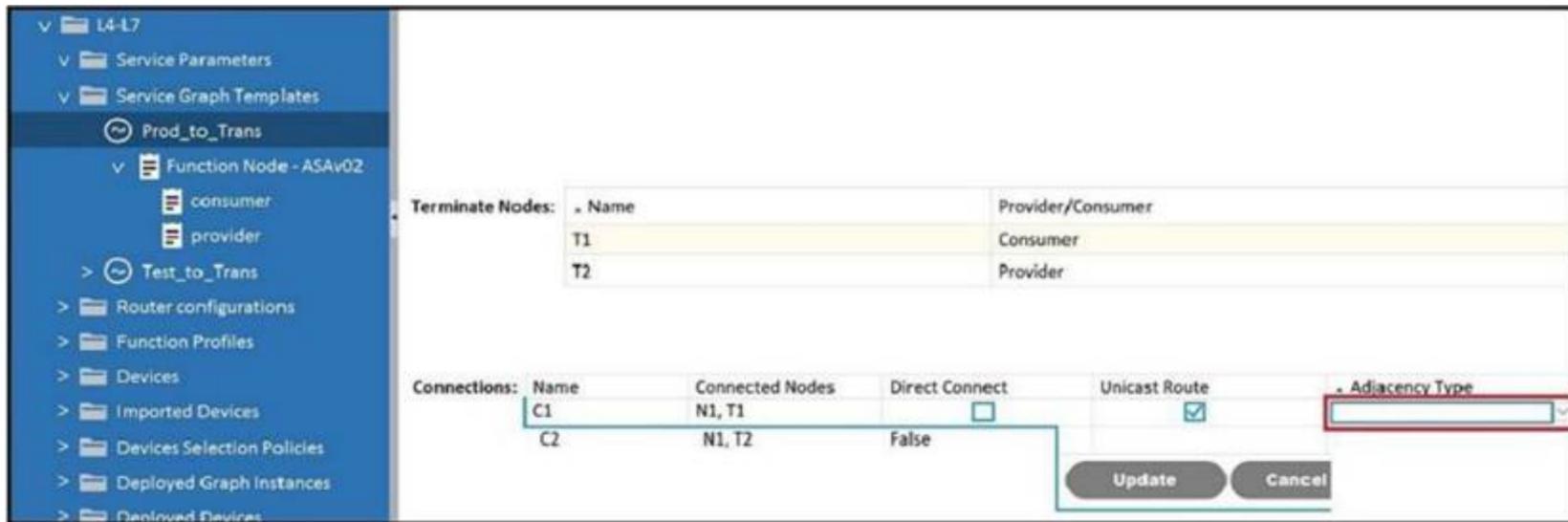
Regarding the MTU value of MP-BGP EVPN control plane packets in Cisco ACI, which statement about communication between spine nodes in different sites is true?

- A. By default, spine nodes generate 9000-bytes packets to exchange endpoints routing informatio
- B. As a result, the Inter-Site network should be able to carry 9000-bytes packets.
- C. By default, spine nodes generate 1500-bytes packets to exchange endpoints routing informatio
- D. As a result, the Inter-Site network should be able to carry 1800-bytes packets.
- E. By default, spine nodes generate 1500-bytes packets to exchange endpoints routing informatio
- F. As a result, the Inter-Site network should be able to carry 1500-bytes packets.
- G. By default, spine nodes generate 9000-bytes packets to exchange endpoints routing informatio
- H. As a result, the Inter-Site network should be able to carry 9100-bytes packets.

**Answer:** D

**NEW QUESTION 27**

Refer to the exhibit.



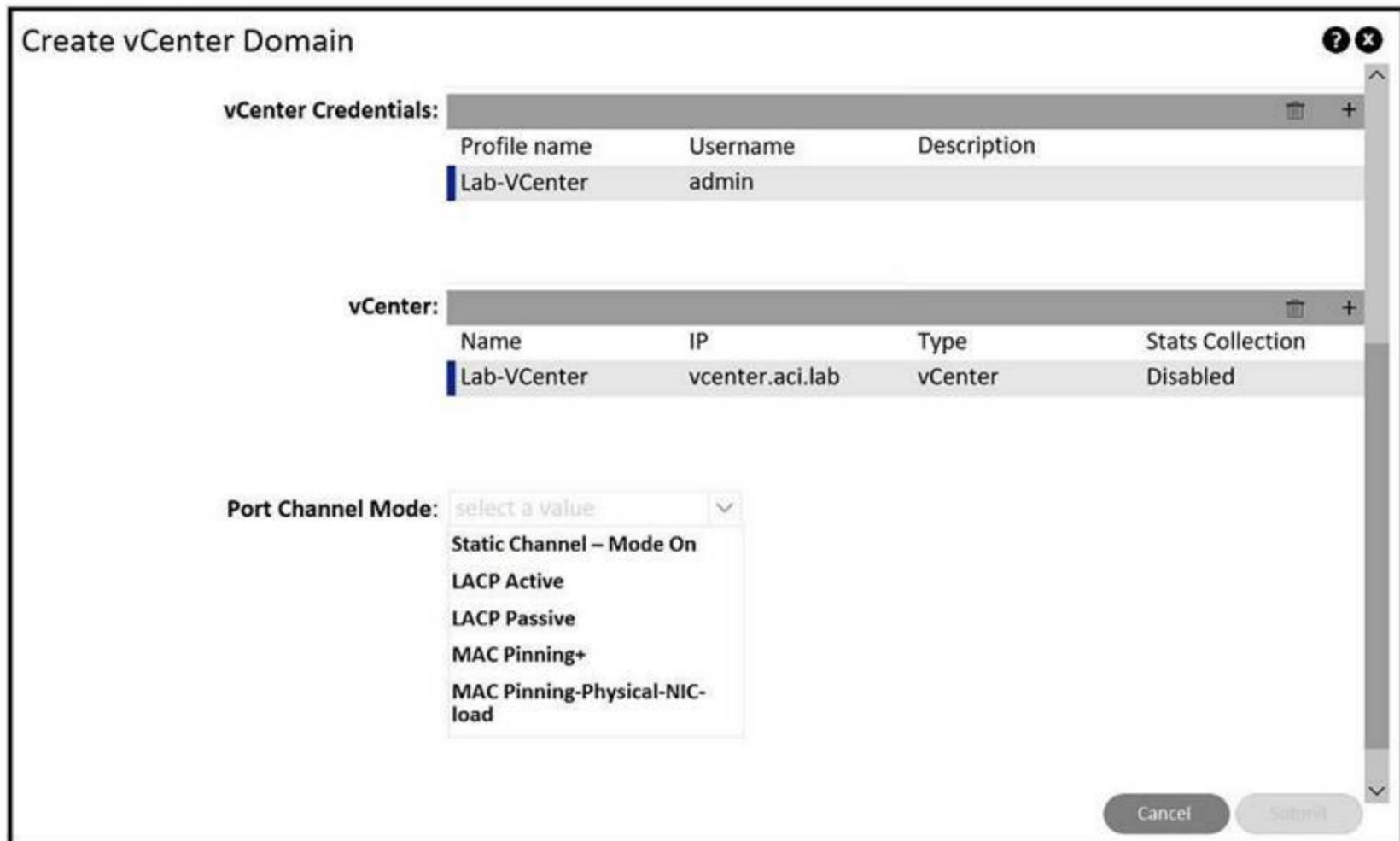
Which Adjacency Type value should be set when the client endpoint and the service node interface are in a different subnet?

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

**Answer: D**

**NEW QUESTION 32**

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 35**

An engineer has set the VMM resolution immediacy to pre-provision in a Cisco ACI environment. No Cisco Discovery Protocol neighborhood 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 40**

In the context of VMM, which protocol between ACI leaf and compute hosts ensures that the policies are pushed to the leaf switches for immediate and on demand resolution immediacy?

- A. VXLAN
- B. LLDP
- C. ISIS
- D. STP

**Answer:** A

**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\\_0101.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_0101.html)

**NEW QUESTION 42**

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 47**

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 48**

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	<input type="text"/>	<input type="text"/>
Minor	<input type="text"/>	<input type="text"/>
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 49

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 51

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 53

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 56

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