

➤ **Vendor: Cisco**

➤ **Exam Code: 300-620**

➤ **Exam Name: Implementing Cisco Application Centric Infrastructure**

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QUESTION 42

What does a bridge domain represent?

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

Answer: B

Explanation:

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

QUESTION 43

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:

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

QUESTION 44

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

QUESTION 45

The Cisco ACI solution allows users to use Layer 2 and Layer 3 to connect to outside networks. What are two valid use cases for this scenario? (Choose two.)

- A. Connect to an existing switch network infrastructure and provide connection between workloads in the ACI fabric and workloads outside of the ACI fabric.
- B. Connect to LAN routers in the data center so that a LAN router provides data-center interconnect or Internet access for tenants.
- C. Extend the Layer 2 domain from ACI to a DCI platform so that the Layer 2 domain of ACI can be extended to a remote data center.
- D. In the existing data centers, connect a new switching network to an ACI leaf, and create a new VLAN and subnet across ACI and the existing network.

Answer: AC

QUESTION 46

In Cisco ACI, general steps are required to create an Application Network Profile. In Cisco ACI, general steps are required to create an Application Network Profile. Which order should the configuration be done?

- 1) Create connection points between EPGs by using policy constructs.
- 2) Create policies to define connectivity with permit, deny, log, and so on.
- 3) Create EPGs.

- A. 3, 2, 1
- B. 1, 2, 3
- C. 2, 3, 1
- D. 1, 3, 2

Answer: A

QUESTION 47

In Cisco ACI, if no contract is attached to the EPG, what is the default behavior?

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- A. All ICMP packets are allowed in inter-EPG communication.
- B. All TCP ports are allowed in inter-EPG communication.
- C. Inter-EPG communication is disabled.
- D. Unidirectional traffic is allowed for all protocols in inter-EPG communication.

Answer: C

QUESTION 48

Cisco APICs utilize sharding to provide what function for an ACI fabric?

- A. It provides scalability and reliability to the data sets generated and processed by the Distributed Policy Repository, the endpoint registry, the Observer, and the Topology Manager
- B. It provides replication of application network policies across the APICs in the cluster
- C. It provides a method for determining which APIC will act as the master in a fabric during the election process
- D. It provides horizontal scaling ability for policy management on APICs

Answer: A

QUESTION 49

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:

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

QUESTION 50

Refer to the exhibit. Which two objects are created as a result of the configuration? (Choose two.)

```
<fvTenant name="ACILab">
  <fvCtx name="pvn1"/>
  <fvBD name="bd1">
    <fvRsCtx tnFvCtxName="pvn1"/>
    <fvSubnet ip="10.1.100.1/24"/>
  </fvBD>
</fvTenant>
```

- A. application profile
- B. attachable AEP
- C. bridge domain
- D. endpoint group
- E. VRF

Answer: CE

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/2-x/rest_cfg/2_1_x/b_Cisco_APIC_REST_API_Configuration_Guide/b_Cisco_APIC_REST_API_Configuration_Guide_chapter_01110.html

QUESTION 51

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:

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

QUESTION 52

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: Custom
L2 Unknown Unicast: Hardware Proxy
L3 Unknown Multicast Flooding: Flood
Multi Destination Flooding: Flood in BD
ARP Flooding: Enabled
- B. Forwarding: Custom
L2 Unknown Unicast: Flood
L3 Unknown Multicast Flooding: Flood
Multi Destination Flooding: Flood in BD
ARP Flooding: Enabled

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

Answer: D

QUESTION 53

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: D

QUESTION 54

An engineer configured Layer 2 extension from the ACI fabric and changed the Layer 2 unknown unicast policy from Flood to Hardware Proxy. How does this change affect the flooding of the L2 unknown unicast traffic?

- A. It is forwarded to one of the spines to perform as a spine proxy.
- B. It is flooded within the whole fabric.
- C. It is dropped by the leaf when the destination endpoint is not present in the endpoint table.
- D. It is forwarded to one of the APICs to perform as a proxy.

Answer: A

Explanation:

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

QUESTION 55

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