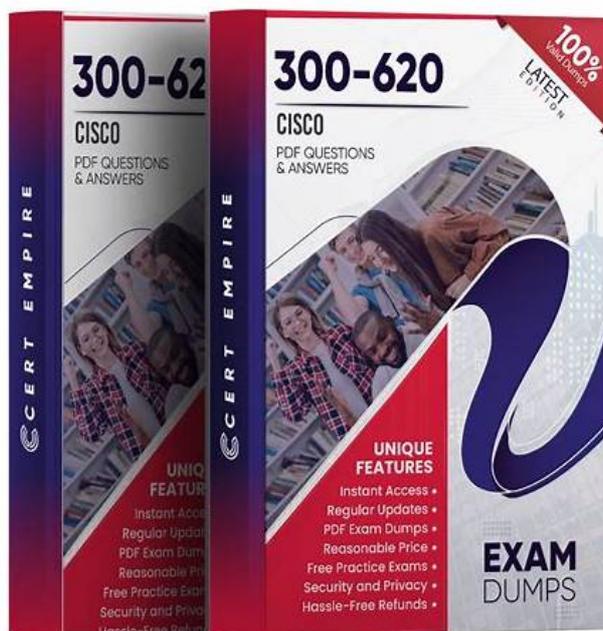


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The Cisco 300-620 exam also tests the candidate's ability to integrate ACI with other data center services, such as load balancers, firewalls, and virtualization platforms. Candidates must understand how to configure ACI to work with these services and troubleshoot any issues that may arise.

To prepare for the Cisco 300-620 exam, candidates should have a strong understanding of data center technologies and networking concepts. It is recommended that candidates have experience with ACI implementation and management. Training courses and study materials are available to help candidates prepare for the exam, including online courses, practice exams, and study guides.

## Understanding functional and technical aspects of Implementing Cisco Application Centric Infrastructure (300-620 DCACI) ACI Anywhere

The following will be discussed in **CISCO 300-620 Exam Dumps**:

- Describe Cisco ACI basic packet forwarding
- Describe multisite
- Describe multipod
- Describe Cisco ACI Fabric Infrastructure and basic Cisco ACI concepts
- Describe Cisco ACI policy model logical constructs
- Understanding of Cisco data center architecture
- Understanding of networking protocols, routing, and switching
- Describe Layer 4 to Layer 7 integrations
- Explain Cisco ACI management features
- Describe external network connectivity
- Familiarity with virtualization fundamentals

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## Cisco Implementing Cisco Application Centric Infrastructure Sample Questions (Q63-Q68):

### NEW QUESTION # 63

An engineer wants to monitor all configuration changes, threshold crossing, and link-state transitions in a Cisco ACI fabric. Which action must be taken to receive the required messages?

- A. Include Audit Logs and Events in the Syslog source policy.
- B. Include Events and Session Logs in the Syslog source policy.
- C. Add Session Logs and Audit Logs to the monitor policy.
- D. Add Faults and Events to the monitor policy.

**Answer: A**

Explanation:

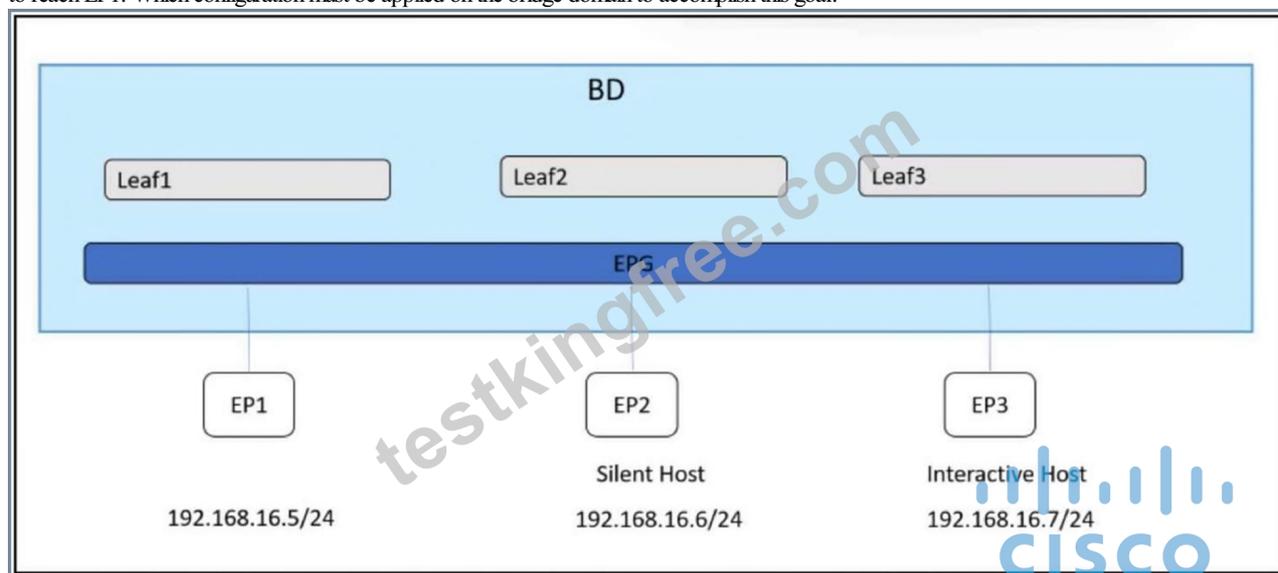
To monitor all configuration changes, threshold crossing, and link-state transitions in a Cisco ACI fabric, the action that must be taken is to Include Audit Logs and Events in the Syslog source policy

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### NEW QUESTION # 64

Refer to the exhibit. An engineer must configure a bridge domain inside the Cisco ACI fabric called BD. The configuration must permit EP2 and EP3 to reach EP1. Which configuration must be applied on the bridge domain to accomplish this goal?



- A. Enable L2 Unknown unicast flooding.
- B. Define the Pervasive gateway on BD.
- C. Optimize L2 Unknown unicast traffic.
- D. Configure unicast routing within BD.

**Answer: A**

Explanation:

While enabling L2 Unknown Unicast flooding ensures that traffic is flooded to all ports when the destination MAC address is unknown, this does not directly achieve unicast routing between EPs.

Unicast routing is more efficient for known unicast traffic.

### NEW QUESTION # 65

When Layer 3 routed traffic is destined to a Cisco ACI fabric, which mechanism does ACI use to detect silent hosts?

- A. ARP gleaning
- B. inverse ARP
- C. proxy ARP
- D. gratuitous ARP

**Answer: A**

Explanation:

The question asks about the mechanism Cisco ACI uses to detect silent hosts when Layer 3 routed traffic is destined to the ACI fabric. A "silent host" refers to an endpoint that does not initiate traffic or send ARP requests, making detection challenging without specific mechanisms. Let's evaluate the options based on Cisco ACI documentation and best practices.

Requirement Analysis

Layer 3 routed traffic implies that the ACI fabric is handling IP routing, and the detection mechanism must work within the context of the bridge domain and endpoint learning.

Silent hosts require passive detection methods since they do not generate active traffic (e.g., ARP requests).

The solution must align with ACI's endpoint learning and proxy mechanisms.

Option Evaluation

A . Gratuitous ARP:

Gratuitous ARP (GARP) is a mechanism where a host announces its IP-to-MAC mapping to update network devices. However, this requires the host to send the GARP, which a silent host does not do. ACI can use GARP when hosts are active, but it is not the primary method for silent hosts.

Reference:

B . Inverse ARP:

Inverse ARP is used in Frame Relay or ATM networks to map DLCI/VPI-VCI to IP addresses. It is not applicable to ACI's IP-based Layer 3 routing or silent host detection.

C . ARP Gleaning:

ARP gleaning is a passive mechanism in ACI where the fabric learns the IP-to-MAC binding of a silent host by inspecting ARP traffic destined to or from other devices (e.g., routers or proxies) within the same bridge domain. When Layer 3 routed traffic passes through the ACI fabric, the leaf switches can glean the silent host's information from ARP responses or related traffic, even if the host itself is silent.

D . Proxy ARP:

Proxy ARP is used by ACI to respond to ARP requests on behalf of silent hosts when the hardware proxy feature is enabled. While this helps with connectivity, it is a response mechanism, not a detection method. Detection still relies on gleaning or other passive learning.

Final Answer Justification

C is correct because ARP gleaning is the specific mechanism ACI uses to detect silent hosts when Layer 3 routed traffic is involved. The fabric passively learns the host's IP and MAC addresses from ARP traffic generated by other devices (e.g., routers or active hosts) within the bridge domain, which is particularly effective in routed environments.

Primary Cisco Reference:

Cisco APIC Layer 3 Networking Configuration Guide, "Endpoint Learning with ARP Gleaning." Cisco ACI Best Practices, "Silent Host Detection in Routed Networks."

#### NEW QUESTION # 66

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 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.
- C. The Layer 2 unknown hardware proxy lacks support of the topology change notification.
- **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**

Explanation:

When a bridge domain is configured with the hardware-proxy option for Layer 2 unknown unicast traffic, if the spine switch is unable to find the MAC address in the proxy database, it will drop the Layer 2 unknown unicast packet. This behavior is controlled by the hardware proxy option associated with a bridge domain.

#### NEW QUESTION # 67

How is broadcast forwarded in Cisco ACI Multi-Pod after ARP flooding is enabled?

- A. Within a pod, the ingress leaf switch floods the broadcast frame on all fabric ports.
- **B. Broadcast frames are forwarded inside the pod and across the IPN using the multicast address that is associated to the bridge domain.**
- C. For the specific bridge domain, all spines forward the broadcast frames to IPN routers.
- D. Ingress replication is used on the spines to forward broadcast frames in the IPN infrastructure.

**Answer: B**

#### NEW QUESTION # 68

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