



600-511^{Q&As}

Designing with Cisco Network Programmability for ACI

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**QUESTION 1**

Which four subcomponents can contracts be broken into? (Choose four.)

- A. subjects
- B. filters
- C. actions
- D. labels
- E. tenants
- F. end points
- G. access entity profile

Correct Answer: ABCD

QUESTION 2

Which three options are the major components of the ACI fabric? (Choose three.)

- A. bidirectional optics
- B. Application Policy Infrastructure Controller
- C. spine switches
- D. directory service nodes
- E. leaf switches
- F. Layer 4 to Layer 7 service devices

Correct Answer: BCE

QUESTION 3

Which statement about designing a migration approach of an existing Data Center network to Cisco ACI is true?

- A. The first action is to connect the Cisco APIC to the existing core Layer 3 routers so that the APIC can begin to be involved in traffic forwarding.
- B. When migration is complete, the existing Layer 3 devices should still serve as the default gateway.
- C. The service nodes must be moved first because Layer 4 to Layer 7 services (FW/LB) in the existing network will not be functional during migration.
- D. Simplify the migration by associating every EPG to a VLAN.



Correct Answer: D

QUESTION 4

A session is authenticated to make API calls via the REST API of the Cisco APIC. Which option is the default token timeout for that session?

- A. 120 seconds
- B. 900 seconds
- C. 60 seconds
- D. 300 seconds
- E. 600 seconds

Correct Answer: D

QUESTION 5

Which two statements about server connectivity in ACI are true? (Choose two.)

- A. Unicast traffic from servers in the same EPG is not permitted unless a specific contract allows it.
- B. Unicast traffic from servers in a different EPG is not permitted unless a specific contract allows it.
- C. Unicast traffic from servers in a different EPG is not permitted unless both EPGs are in the same bridge domain.
- D. Multicast traffic from servers in the same EPG is not permitted unless a specific contract allows it.
- E. Multicast traffic from servers in the different EPG is not permitted unless a specific contract allows it.
- F. Multicast traffic from servers in a different EPG is not permitted unless both EPGs are in the same bridge domain.

Correct Answer: BF

QUESTION 6

Which option is for migrating an existing Data Center network to Cisco ACI?

- A. First migrate existing FEXs to 9500.
- B. First connect the core (for example, Cisco ASR 9000 Router or Cisco Nexus 7000 Series Switches) to the ACI fabric that supports external connectivity routing mechanisms (OSPF NSSA, iBGP, and static routes).
- C. First disable flooding on each bridge domain during migration to avoid broadcast storms.
- D. First migrate existing access layer (for example, Catalyst 5500/6000 + FEX) to Cisco MDS 9500 Series.

Correct Answer: B



QUESTION 7

Which method does ACI fabric dynamic load balancing use to provide optimal balancing of flows across the fabric?

- A. Flows are dynamically allocated according to congestion at the leaf.
- B. Flows are dynamically allocated according to hop-by-hop congestion in the fabric.
- C. Flows are dynamically allocated according to link BER.
- D. Flows are distributed in per packet round-robin.

Correct Answer: B

QUESTION 8

Which two ACI features assist with application service-level assurance? (Choose two.)

- A. tenant health scores
- B. Layer 4 to Layer 7 service integration
- C. Cisco APIC database sharding
- D. fabric health scores
- E. QoS

Correct Answer: AD

QUESTION 9

Which statement about the infrastructure requirements for an ACI fabric is true?

- A. Hypervisors that connect to the ACI fabric must support the Cisco Discovery Protocol so that ACI can discover the presence of virtualized hosts and deploy policies to the ports on which a virtualized host is present.
- B. The Cisco Nexus 9336PQ form factor is well suited for large enterprise ACI deployments because it provides 288 40 Gigabit Ethernet ports at the spine.
- C. Leaf and spine switches can connect at 40 Gbps with multimode fiber by using the Cisco 40 Gbps short-reach bidirectional QSFP optics modules, which do not require new cabling.
- D. The Cisco ACI fabric uses an overlay, based on MPLS VPN, to virtualize the physical infrastructure. This overlay maps the tenant endpoint addresses to the location of the endpoint using the tunnel endpoint.

Correct Answer: C

QUESTION 10



Which four options are important functions offered by the Cisco APIC? (Choose four.)

- A. fault and event management
- B. hypervisor, storage, and computing management
- C. Layer 3 through 5 services integration
- D. statistical collection and analysis
- E. performance management
- F. nonblocking data plane
- G. 1.5:1 oversubscribed ports
- H. BGP and OSPF routing protocol support

Correct Answer: ABDE

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