

600-511^{Q&As}

Designing with Cisco Network Programmability for ACI

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QUESTION 1

Which three features or protocols can be used to integrate ACI into existing management tools? (Choose three.)

- A. SNMP
- B. RESTful APIs
- C. Syslog
- D. OSPF
- E. CallHome
- F. BGP
- G. RSPAN

Correct Answer: ABC

QUESTION 2

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 3

Which three options are the building blocks of Cisco ACI? (Choose three.)

- A. imperative configuration model
- B. fabric policy
- C. centralized management
- D. control-plane isolation
- E. automation
- F. a RESTful GUI interface for optimal configuration

Correct Answer: BCE

QUESTION 4

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 5

Before you design an ACI fabric, it is important to understand existing application interactions. If you do not understand them entirely, which approach can you use?

- A. Design a classic routing configuration in which everybody can talk to anybody as the equivalent to a contract called "anyany" that all EPGs provide and consume.
- B. Design around the Cisco ACI whitelist model using the common tenant, where, by default, two EPGs can communicate to each other in the absence of a contract.
- C. Map each EPG to familiar constructs such as VLANs that provide segmentation and will apply policy application interactions.
- D. Leverage advanced orchestration tools like Cisco Intelligent Automation for Cloud or Cisco UCS Director to document existing application interactions.

Correct Answer: A

QUESTION 6

Which four options are benefits of the Cisco ACI fabric and OpenStack environment? (Choose four.)

- A. ease of use for application developer
- B. application acceleration
- C. tunnel encapsulation
- D. administration and management
- E. troubleshooting

F. southbound integration

G. Layer 4 to Layer 7 service integration

Correct Answer: ABCF

QUESTION 7

Which ACI construct provides the policy-based definition that comprises the communication, performance, and security needs of an application?

A. service profile

B. endpoint group

C. application service profile

D. application network profile

Correct Answer: D

QUESTION 8

When building a contract, what is the function of a filter?

A. classification of traffic

B. a Layer 7 parameter setting for filtering application calls

C. to drop or adjust routing updates

D. to enforce SLAs

Correct Answer: A

QUESTION 9

Which option does the Cisco ACI fabric use to support management automation, programmatic policy, and dynamic "workload-anywhere" models?

A. distributed computing model

B. centralized computing model

C. closely coupled policy-based control systems and software

D. a stateful, imperative model using OpenFlow for external communication

Correct Answer: C

QUESTION 10

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

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