



600-511^{Q&As}

Designing with Cisco Network Programmability for ACI

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QUESTION 1

Which three host encapsulations does ACI fabric support? (Choose three.)

- A. VLAN/802.1q
- B. VXLAN/VNID
- C. Stateless Transport Tunneling Protocol for network virtualization
- D. vPC
- E. FabricPath
- F. Geneve

Correct Answer: ABD

QUESTION 2

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 3

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 4

If flowlet switching and dynamic flow prioritization are enabled, which two statements about ACI fabric load balancing are true? (Choose two.)

- A. A flowlet is a subset of a TCP/UDP flow that is composed of packets that are part of the same bursts of packets.
- B. A flowlet is a subset of a TCP/UDP flow that is composed of packets of approximately the same size (64 bytes to 127 is flowlet 1, 128 to 255 is flowlet 2, ...).
- C. The first few identified flowlets of a TCP/UDP flow are treated with a higher priority than the last flowlet of the same TCP/UDP flow.
- D. Each flowlet of a TCP/UDP flow is treated with same priority and takes the same path to avoid out-of-order packets.
- E. The egress leaf reorders out-of-order packets when flowlet switching is used.

Correct Answer: AC

QUESTION 5

You want to satisfy the business, risk, and customer requirements. Which option is a consideration when you select and design an ACI fabric?

- A. the requirement for meaningful services (such as traffic load balancing, segmentation, filtering, traffic insertion, and monitoring) for workloads provided by virtual Layer 4 to Layer 7 servers
- B. virtual machine mobility because moving from one server to another one would have to occur on the same leaf so that ACI can preserve virtual machine visibility and policy enforcement
- C. the breakdown of virtual versus physical workloads because virtual workloads are treated preferentially in ACI
- D. the requirement for a central point of management, but no centralized control plane

Correct Answer: D

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