



600-511^{Q&As}

Designing with Cisco Network Programmability for ACI

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QUESTION 1

Which two benefits of ACI help improve the time required to deploy an application? (Choose two.)

- A. enabling software developers to create development environments similar to production
- B. eliminating the need for expensive Layer 4 to Layer 7 service appliances
- C. eliminating IP addressing from software stacks
- D. evolving the IT model from manual workflows to an application model that automates deployment, operations, and visibility

Correct Answer: AD

QUESTION 2

Which three elements of the ACI fabric contribute to zero-touch deployment capability? (Choose three.)

- A. centralized controller for policy, bootstrap, and image management
- B. topology auto discovery, automated configuration, and infrastructure addressing
- C. loose wiring validation
- D. support for iBGP confederations
- E. NX-API and NETCONF protocol interfaces
- F. orchestration using Visore

Correct Answer: ABC

QUESTION 3

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 4



You have an application named "E_commerce" in tenant "Production", which is composed of three tiers of servers (web, app, and DB). Each tier sits in a different EPG (epgWeb, epgApp, and epgDB). Which action should be performed first to measure the performance or packet loss of this application?

- A. Check the health score of the application profile "E_commerce".
- B. Check the faults of the application profile "E_commerce".
- C. Configure a troubleshooting policy for on-demand atomic counters for epgWeb-to-epgApp traffic and epgApp-to-epgDB traffic.
- D. Configure a monitoring policy for each of the EPGs of the "E_commerce" application.

Correct Answer: C

QUESTION 5

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 6

Which option is an ideal environment in which to deploy ACI?

- A. WAN edge
- B. virtual storage farm
- C. disaster recovery site
- D. enterprise core

Correct Answer: C

QUESTION 7



Which overlay protocol does Cisco AVS for vSphere use to allow the ACI fabric to extend over an existing network infrastructure?

- A. GRE
- B. IPsec
- C. NVGRE
- D. VXLAN
- E. OTV

Correct Answer: D

QUESTION 8

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 9

Which statement about the role of a spine switch is true?

- A. It connects leaf devices.
- B. It connects spine devices
- C. It connects Cisco APICs.
- D. It connects hosts.
- E. It connects external routers.
- F. It connects service nodes.

Correct Answer: A

QUESTION 10

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

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