Vendor: Cisco

Exam Code:600-511

Exam Name: Designing with Cisco Network Programmability for ACI

Version: Demo

QUESTION 1

Which network devices should be connected to the spine?

A. Cisco APIC controllers

B. leaf devices

C. leaf and spine devices

D. centralized security and load-balancing services for the fabric

Correct Answer: B

QUESTION 2

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

QUESTION 3

Which three main problems was a host overlay system designed to address? (Choose three.)

A. workload mobility

B. simplified and automated workload provisioning

C. multitenancy at scale

D. integrate physical and virtual networking

E. increase visibility to traffic flows

F. better root cause analysis capabilities

G. consolidate IT infrastructure teams

Correct Answer: ABC

QUESTION 4

Which statement about the programming model and APIs available to automate network functions within ACI is true?

A. You can leverage a custom-built GUI that sends HTTPS calls.

B. Advanced orchestration tools like Cisco Intelligent Automation for Cloud or Cisco UCS Director are available for end-to-end provisioning of compute and network resources using the open OpFlex protocol.

C. Every configurable element in ACI is part of the object tree known as the software development kit.

D. You can modify configurations with HTTP DELETE calls and retrieve information with HTTP POST calls.

E. You can perform a CLI-based configuration from your desktop to the controller using cURL.

Correct Answer: E

QUESTION 5

Which two options are two provisions of ACI for security? (Choose two.)

A. Security services are provided by the fabric, without the need for external appliances.

B. ACI depends on external appliances and software to provide security.

C. ACI provides a stateless whitelist approach for all traffic in the fabric.

D. ACI allows for easy integration of external stateful physical and virtual security devices into the fabric.

Correct Answer: CD

QUESTION 6

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 7

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 8

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 9

Which two methods to scale bandwidth and capacity enable capacity planning and scaling in the ACI fabric? (Choose two.)

A. Scale-out spine nodes for bandwidth.

B. Increase Cisco APIC uplinks to fabric for bandwidth.

C. Interconnect spine nodes.

D. Scale-out leaf nodes for capacity.

E. Leverage QoS on the Cisco APIC uplinks.

Correct Answer: AD

QUESTION 10

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 11

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 12

Which two benefits are achieved through database sharding within the Cisco APIC cluster? (Choose two.)

A. active-standby high availability

B. scalability

C. compression

D. reliability

E. load balancing

Correct Answer: BD