600-511

Designing with Cisco Network Programmability
for ACI (NPDESACI)

DEMO

Topic 1, Understanding Business Requirements

QUESTION NO: 1

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

Answer: B,D
Explanation:

QUESTION NO: 2

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

Answer: D
Explanation:

QUESTION NO: 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

Answer: A,B,C
Explanation:

QUESTION NO: 4

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

Answer: A,D
Explanation:

QUESTION NO: 5

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

Answer: A,D
Explanation:

QUESTION NO: 6

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

Answer: D

Explanation:

QUESTION NO: 7

The use of the Cisco Bi-Di 40G transceiver provides cost effective transition to a 40G ACI fabric through transmission over which cabling plant?

A. Category 6a copper
B. single pair of OM3/OM4 MM fiber
C. single pair of SM fiber
D. Twinax copper

Answer: B

Explanation:

QUESTION NO: 8

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.

Answer: B

Explanation:

QUESTION NO: 9

Which four benefits are provided by ACI services to achieve business and technical objectives? (Choose four.)

A. Identify and address technical and operational readiness to effectively deploy this architecture to support your target use cases.
B. Simplify operations through integration at the infrastructure, systems, and management levels.
C. Protect capital and operational investments while gaining a simple transition path from existing