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Designing with Cisco Network Programmability for ACI

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QUESTION 1

Which three types of interface are supported on border leaf switches to connect to an external router? (Choose three.)

A. Layer 3 interface

B. subinterface with 802.1Q tagging

C. backup interface

D. switched virtual interface

E. management interface

F. point-to-point interface

Correct Answer: ABD

QUESTION 2

Which two options are components of a device package? (Choose two.)

A. device configuration

B. device specification

C. device prototype

D. device script

E. device mapping

Correct Answer: BD

QUESTION 3

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 environments to architecture based on Cisco ACI.

D. Allow centralized application-based policy automation, programmability, and visibility into physical and virtual networks from a single point of management.

E. Allow centralized management and control over all Cisco platforms and non Cisco platforms.

F. Simplify and reduce the number of applications for better DevOps support.

G. Ability to design, install, and manage access/aggregation/core networks.

H. Emphasize technical objectives to best meet business requirements.

Correct Answer: ABDE

QUESTION 4

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

QUESTION 5

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

QUESTION 6

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 7

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 8

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 9

In which three ways can the location of VMware virtual endpoints be learned? (Choose three.)

A. out-of-band handshake

B. Link Layer Discovery Protocol and Cisco Discovery Protocol

C. distributed switch learning

D. VXLAN discovery protocol

E. OpenFlow

F. NVGRE discovery protocol

Correct Answer: ABC

QUESTION 10

A session is authenticated to make API calls via the REST API of the Cisco APIC. Which option is the default token timeout for that session?

A. 120 seconds

B. 900 seconds

C. 60 seconds

D. 300 seconds

E. 600 seconds

Correct Answer: D

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