Vendor: Cisco

Exam Code:642-873

Exam Name: Designing Cisco network Service Architectures (ARCH)

Version: Demo

QUESTION 1

Which two benefits are achieved if a network is designed properly with a structured addressing scheme? (Choose two.)

A. efficient ACLs

B. improved redundancy

C. hardened security

D. easier troubleshooting

E. added resiliency

Correct Answer: AD

QUESTION 2

Which statement about data center access layer design modes is correct?

A. The access layer is the first oversubscription point in a data center design.

B. The data center access layer provides the physical-level connections to the server resources and only operates at Layer 3.

C. When using a Layer 2 looped design, VLANs are not extended into the aggregation layer.

D. When using a Layer 3 design, stateful services requiring Layer 2 connectivity are provisioned from the aggregation layer.

Correct Answer: A

QUESTION 3

Which two design recommendations are most appropriate when EIGRP is the data center core routing protocol? (Choose two.)

A. Summarize data center subnets.

B. Advertise a default route into the data center core from the aggregation layer.

C. Tune the EIGRP timers to enable EIGRP to achieve quicker convergence.

D. Adjust the default bandwidth value to ensure proper bandwidth on all links.

Correct Answer: AB

QUESTION 4

A network administrator wants to provide high availability in a data center environment by making sure that there is no reconvergence of Layer 2 and Layer 3 protocols when there is a Layer 3 switch failure. Which Cisco Nexus feature fulfills this purpose?

A. ISSU

B. VSS

C. vPC

D. MEC

Correct Answer: C

QUESTION 5

Which of the following features might be used by the Enterprise Campus network designer as a means of route filtering?

A. IPv4 static routes

B. Route tagging using a route map in an ACL

C. Tagging routes using the BGP MED

D. EIGRP stub networks

Correct Answer: D

QUESTION 6

A company has hired an entry-level network administrator for its new data center. The company CIO wants to give the administrator limited access on the newly configured Cisco Nexus 7000. Which feature should be used to allow limited access?

A. NAC

B. VDC

C. RBAC

D. vPC

Correct Answer: C

QUESTION 7

Which three statements about firewall modes are correct? (Choose three.)

A. A firewall in routed mode has one IP address.

B. A firewall in transparent mode has one IP address.

C. In routed mode, the firewall is considered to be a Layer 2 device.

D. In routed mode, the firewall is considered to be a Layer 3 device.

E. In transparent mode, the firewall is considered to be a Layer 2 device.

F. In transparent mode, the firewall is considered to be a Layer 3 device.

Correct Answer: BDE

QUESTION 8

A network designer wants to improve security at the edge of the network and allow routing protocols to communicate without any additional configuration. What firewall mode meets the design requirements?

A. routed

B. zoned

C. context

D. transparent

Correct Answer: D

QUESTION 9

What Nexus technology avoids blocking links between the access layer and the aggregation layer in a data center network design?

A. FCoE

B. LACP

C. vPC

D. FEX

Correct Answer: C

QUESTION 10

Which architecture provides a way to deliver end-to-end QoS as required by real-time voice and video business applications?

A. IntServ

B. DiffServ

C. LLQ

D. ToS

E. DSCP

Correct Answer: A

QUESTION 11

Which three virtualization categories are in campus networks? (Choose three.)

A. Layer 2 virtualization

B. Layer 3 clustering

C. network virtualization

D. device virtualization

E. network clustering

F. device clustering

Correct Answer: CDF

QUESTION 12

AutoQoS is used to implement VoIP in the enterprise, but the trust option is not configured on the interface. Which network management Cisco IOS capability classifies the voice traffic?

A. NetFlow

B. SNMP

C. IP SLAs

D. NBAR

Correct Answer: D

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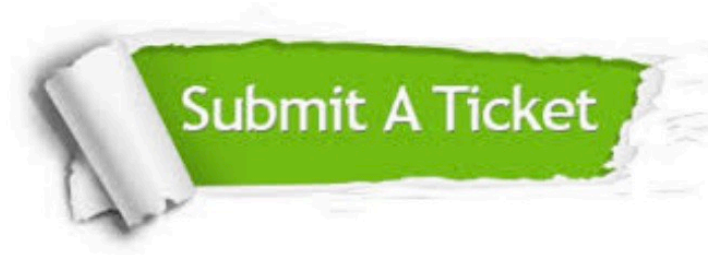
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