Vendor: Cisco

Exam Code:640-864

Exam Name: Designing for Cisco Internetwork Solutions

Version: Demo

QUESTION 1

Spanning Layer 2 across geographically separate data centers is a key consideration for current data center designs. Which is the name of the NX-OS technology that facilitates MAC in IP transport for Layer 2 VLANs across any IP network?

A. Overlay Transport Virtualization

B. Virtual Private LAN Services

C. Generic Routing Encapsulation

D. QinQ tunneling

Correct Answer: A

QUESTION 2

Refer to the exhibit.
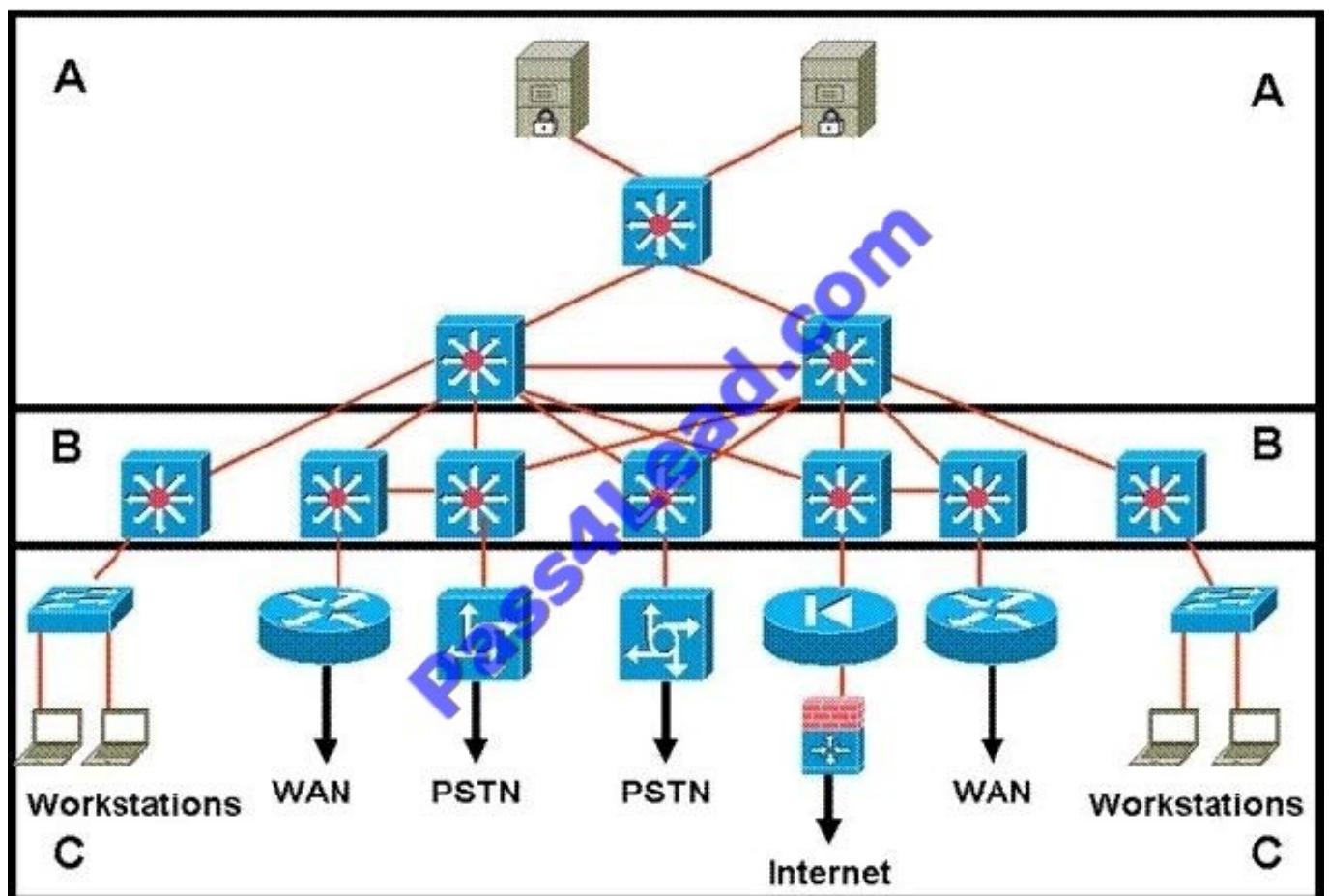
Which layer is the distribution layer?

A. Layer A

B. Layer B

C. Layer C

D. Layers A and B form a consolidated core and distribution layer

Correct Answer: B

QUESTION 3

A hierarchical design of the EIGRP domain facilitates which two of the following? (Choose two.)

A. route summarization

B. faster convergence

C. unequal cost load balancing

D. redistribution

E. virtual links

Correct Answer: AB

QUESTION 4

Which IGP provides the fastest convergence by default?

A. EIGRP

B. OSPF

C. IS-IS

D. RSTP

E. BGP

Correct Answer: A

QUESTION 5

You need to connect to a remote branch office via an Internet connection. The remote office does not use Cisco equipment. This connection must be secure and must support OSPF. Which of the following can be used to transport data to the branch office?

A. GRE over IPsec

B. IPsec

C. GRE

D. IPsec VTI

Correct Answer: A

QUESTION 6

Which protocol is used to reserve bandwidth for the transport of a particular application data flow across the network?

A. cRTP

B. IEEE 802.1P

C. RSVP

D. LFI

E. Auto QOS

Correct Answer: C

RSVP Signaling protocol that enables end stations or applications to obtain guaranteed bandwidth and low delays for their data flows.

QUESTION 7

Which three types of WAN topologies can be deployed in the Service Provider Module? (Choose three.)

A. ring

B. star

C. full mesh

D. core/edge

E. collapsed core

F. partial mesh

Correct Answer: BCF

QUESTION 8

Which three options are valid Cisco STP tools used to ensure best-practice access layer design for the enterprise campus? (Choose three.)

A. Port fast

B. UDLD

C. Root Guard

D. BPDU Guard

E. Flex Links

F. SPAN

G. Ether Channel

Correct Answer: ACD

Access layer Limit VLANs to a single closet when possible to provide the most deterministic and highly available topology.

Use RPVST+ if STP is required. It provides the best convergence.

Set trunks to ON and ON with no-negotiate

Manually prune unused VLANs to avoid broadcast propagation. Use VTP Transparent mode, because there is little need for a common VLAN database in hierarchical networks.

Disable trunking on host ports, because it is not necessary. Doing so provides more security and speeds up Port Fast. Consider implementing routing in the access layer to provide fast convergence and Layer 3 load balancing. Use Cisco

STP Toolkit, which provides Port Fast, Loop Guard, Root Guard, and BPDU Guard.

QUESTION 9

When considering the three VoIP design models - single site, centralized multisite, and distributed multisite - which question below would help to eliminate one of the options?

A. Will the switches be required to provide inline power?

B. Will users need to make offsite calls, beyond the enterprise?

C. Will users require applications such as voice mail and interactive voice response?

D. Are there users whose only enterprise access is via a QoS-enabled WAN?

Correct Answer: D

QUESTION 10

You have a campus network that consists of only Cisco devices. You have been tasked to discover the device platforms, the IOS versions, and an IP address of each device to map the network. Which proprietary protocol will assist you with this task?

A. SNMP

B. TCP

C. CDP

D. ICMP

E. LLDP

Correct Answer: C

QUESTION 11

Which three are security services offered through Cisco Router Security? (Choose three.)

A. Trust and Identity

B. Integrated Threat Control

C. Unified Wireless Network Security Solution

D. Secure Connectivity

E. Voice-Messaging Security

F. Endpoint Security

G. Virtual Security Gateway

Correct Answer: ABD

QUESTION 12

Which two routing protocols usually converge most quickly? (Choose two.)

A. RIPv1

B. RIPv2

C. BGP

D. OSPF

E. EIGRP

Correct Answer: DE

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