

642-061

Cisco

Routing and Switching Solutions for System

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QUESTION 1:

In a Cisco Catalyst 6509 Switch, in which slots can the Sup2 card be installed?

- A. slots 1 and 2
- B. slots 1 through 9
- C. any slot
- D. slots 3 and 4
- E. slots 5 and 6

Answer: E

Explanation: Sup2 Card Slot requirements: Slots 1 or 2 of any chassis

SUPERVISOR ENGINE 2-MSFC2

Suited for deployment in the distribution/core with Classic interface modules, CEF256 interface modules and dCEF256

interface modules, Supervisor 1A-2GE provides Layer 2/3/4 forwarding with the following operational advantages:

- Layer 2-4 forwarding-Performs Layer 2-4 forwarding with Layer 2, 3, 4 features; supports dCEF256 interface modules
 - Media Access Control (MAC) addresses-128K
 - Forwarding rate-Up to 30 Mpps per system
 - Bandwidth-32 Gbps per system; 256 Gbps with SFM in chassis
 - Layer 2, 3 traffic classification and marking-Layer 2 and Layer 3 (See Table 3-QoS Features Comparison for details)
 - Multilayer (Layer 3) switching-IPv4 supported (See Table 6 for details)
 - Distributed forwarding-Requires Switch Fabric Module and interface modules with Distributed Forwarding Cards (DFCs); for details, see section titled How Distributed Cisco Express Forwarding (dCEF) Works
 - Operating system-Cisco Catalyst OS with Cisco IOS on the MSFC and Cisco IOS Software
 - Management tools-SPAN, RSPAN, VACL capture
 - DRAM-128, 256, 512 MB
 - Onboard flash (BootFlash)-32 MB
 - Chassis supported-Cisco Catalyst 6006, 6009, 6503, 6506, 6509, 6509-NEB, 6509-NEB-A, and 6513; 7603, 7606, 7609, OSR-7609, and 7613
 - Slot requirements-Slots 1 or 2 of any chassis**
 - Upgrade support-None required
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QUESTION 2:

Which two standards enable the PVDM module on the ISR to provide secure communications with IP Phones? (Choose two.)

- A. SRTP
- B. AES encryption
- C. MD5 hash
- D. IPSec
- E. RSA signature
- F. RUDP

Answer: A,B

QUESTION 3:

Which of these features makes a Cisco 7300 Series Router the preferred choice when hardware-accelerated IP processing is required?

- A. NPE-G2 network processing engine
- B. high-speed switching bus
- C. Parallel Express Forwarding (PXF)
- D. optimized port adapter-to-port adapter traffic flow

Answer: C

QUESTION 4:

You have a customer that is looking to mitigate DDOS attacks. Which two of the following Cisco security products would you recommend to meet this need? (Choose two.)

- A. Cisco IOS Firewall
- B. Cisco Traffic Anomaly Detector Module
- C. Cisco Firewall Services Module
- D. Cisco IPS
- E. Cisco ASA
- F. Cisco Anomaly Guard Module

Answer: E,F

QUESTION 5:

What queue-scheduling algorithm does the Optical Services Module PXF use to provide QoS features?

- A. FIFO
- B. Modified Deficit
- C. Versatile Traffic Management Services
- D. Weighted Round Robin

Answer: C

QUESTION 6:

What are the three most common transport network options for connecting a branch office network to the campus core? (Choose three.)

- A. radio links
- B. PSTN
- C. Internet
- D. MPLS VPN
- E. LAN
- F. Private WAN

Answer: C,D,F

QUESTION 7:

Which security feature of a Cisco Catalyst 2960 Series Switch can be used to prevent clients from acquiring an IP address from unauthorized servers?

- A. MAC address notification
- B. DHCP snooping
- C. port security
- D. 802.1X in conjunction with Cisco Secure ACS

Answer: B

QUESTION 8:

A small business wants to deploy IP telephony across its enterprise but lacks the expertise and staffing to plan and deploy the service. Its concerns include cost, ensuring voice quality, and time to deployment. Given only these requirements, what is the appropriate option to recommend?

- A. Use CBWFQ.
- B. Configure NBAR for stateful packet inspection.
- C. Configure each router to mark VoIP packets as CoS 5.
- D. Provision the network using AutoQoS VoIP.

Answer: D

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