

642-825 CCNP

Cisco Implementing Secure Converged Wide Area Networks

642-825: Implementing Secure Converged Wide Area Networks

Practice Exam: 642-825 Exams

Exam Number/Code: 642-825

Exam Name: Implementing Secure Converged Wide Area Networks

Questions and Answers: 134 Q&As

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1. Which two statements about packet sniffers or packet sniffing are true? (Choose two.)

- A. To reduce the risk of packet sniffing, traffic rate limiting and RFC 2827 filtering should be used.
- B. Packet sniffers can only work in a switched Ethernet environment.
- C. To reduce the risk of packet sniffing, cryptographic protocols such as Secure Shell Protocol (SSH) and Secure Sockets Layer (SSL) should be used.
- D. To reduce the risk of packet sniffing, strong authentication, such as one time passwords, should be used.

Answer: CD

2. Refer to the exhibit. On the basis of the partial configuration, which two statements are true? (Choose two.)

- A. A CBAC inspection rule is configured on router RTA.
- B. A named ACL called SDM_LOW is configured on router RTA.
- C. A QoS policy has been applied on interfaces Serial 0/0 and FastEthernet 0/1.
- D. Interface Fa0/0 should be the inside interface and interface Fa0/1 should be the outside interface.
- E. On interface Fa0/0, the ip inspect statement should be incoming.
- F. The interface commands ip inspect SDM_LOW in allow CBAC to monitor multiple protocols.

Answer: AF

3. Refer to the exhibit. Which two statements about the AAA configuration are true? (Choose two.)

- A. A good security practice is to have the none parameter configured as the final method used to ensure that no other authentication method will be used.
- B. If a TACACS+ server is not available, then a user connecting via the console port would not be able to gain access since no other authentication method has been defined.
- C. If a TACACS+ server is not available, then the user Bob could be able to enter privileged mode as long as the proper enable password is entered.
- D. The aaa new-model command forces the router to override every other authentication method previously configured for the router lines.
- E. To increase security, group radius should be used instead of group tacacs+.
- F. Two authentication options are prescribed by the displayed aaa authentication command.

Answer: DF

4. Which two statements are true about broadband cable (HFC) systems? (Choose two.)

- A. Cable modems only operate at Layer 1 of the OSI model.
- B. Cable modems operate at Layers 1 and 2 of the OSI model.
- C. Cable modems operate at Layers 1, 2, and 3 of the OSI model.
- D. A function of the cable modem termination system (CMTS) is to convert the modulated signal from the cable modem into a digital signal.
- E. A function of the cable modem termination system is to convert the digital data stream from the end user host into a modulated RF signal for transmission onto the cable system.

Answer: BD

5. Which three statements are correct about MPLS-based VPNs? (Choose three.)

- A. Route Targets (RTs) are attributes attached to a VPNv4 BGP route to indicate its VPN membership.
- B. Scalability becomes challenging for a very large, fully meshed deployment.
- C. Authentication is done using a digital certificate or pre-shared key.
- D. A VPN client is required for client-initiated deployments.
- E. A VPN client is not required for users to interact with the network.
- F. An MPLS-based VPN is highly scalable because no site-to-site peering is required.

Answer: AEF

6. Which two statements about the Cisco AutoSecure feature are true? (Choose two.)

- A. All passwords entered during the AutoSecure configuration must be a minimum of 8 characters in length.
- B. Cisco123 would be a valid password for both the enable password and the enable secret commands.
- C. The auto secure command can be used to secure the router login as well as the NTP and SSH protocols.
- D. For an interactive full session of AutoSecure, the auto secure login command should be used.
- E. If the SSH server was configured, the 1024 bit RSA keys are generated after the auto secure command is enabled.

Answer: CE

7. Which two statements describe the functions and operations of IDS and IPS systems? (Choose two.)

- A. A network administrator entering a wrong password would generate a true-negative alarm.
- B. A false positive alarm is generated when an IDS/IPS signature is correctly identified.
- C. An IDS is significantly more advanced over IPS because of its ability to prevent network attacks.
- D. Cisco IDS works inline and stops attacks before they enter the network.
- E. Cisco IPS taps the network traffic and responds after an attack.
- F. Profile-based intrusion detection is also known as "anomaly detection".

Answer: BF

8. Which IOS command would display IPS default values that may not be displayed using the show running-config command?

- A. show ip ips configuration
- B. show ip ips interface

C. show ip ips statistics

D. show ip ips session

Answer: A

9. Which two network attack statements are true? (Choose two.)

A. Access attacks can consist of password attacks, trust exploitation, port redirection, and man-in-the-middle attacks.

B. Access attacks can consist of UDP and TCP SYN flooding, ICMP echo-request floods, and ICMP directed broadcasts.

C. DoS attacks can be reduced through the use of access control configuration, encryption, and RFC 2827 filtering.

D. DoS attacks can consist of IP spoofing and DDoS attacks.

E. IP spoofing can be reduced through the use of policy-based routing.

F. IP spoofing exploits known vulnerabilities in authentication services, FTP services, and web services to gain entry to web accounts, confidential databases, and other sensitive information.

Answer: AD

10. Which two Network Time Protocol (NTP) statements are true? (Choose two.)

A. A stratum 0 time server is required for NTP operation.

B. NTP is enabled on all interfaces by default, and all interfaces receive NTP packets.

C. NTP operates on IP networks using User Datagram Protocol (UDP) port 123.

D. The ntp server global configuration is used to configure the NTP master clock to which other peers synchronize themselves.

E. The show ntp status command displays detailed association information of all NTP peers.

F. Whenever possible, configure NTP version 5 because it automatically provides authentication and encryption services.

Answer: BC

11. Refer to the exhibit. What statement is true about the interface S1/0 on router R1?

A. Labeled packets can be sent over an interface.

B. MPLS Layer 2 negotiations have occurred.

C. IP label switching has been disabled on this interface.

D. None of the MPLS protocols have been configured on the interface.

Answer: D

12. Which three techniques should be used to secure management protocols? (Choose three.)

A. Configure SNMP with only read-only community strings.

B. Encrypt TFTP and syslog traffic in an IPsec tunnel.

C. Implement RFC 3704 filtering at the perimeter router when allowing syslog access from devices on the outside of a firewall.

D. Synchronize the NTP master clock with an Internet atomic clock.

E. Use SNMP version 2.

F. Use TFTP version 3 or above because these versions support a cryptographic authentication mechanism between peers.

Answer: ABC

13. What are the two main features of Cisco IOS Firewall? (Choose two.)

A. TACACS+

B. AAA

C. Cisco Secure Access Control Server

D. Intrusion Prevention System

E. Authentication Proxy

Answer: DE

14. Which two statements about common network attacks are true? (Choose two.)

- A. Access attacks can consist of password attacks, trust exploitation, port redirection, and man-in-the-middle attacks.
- B. Access attacks can consist of password attacks, ping sweeps, port scans, and man-in-the-middle attacks.
- C. Access attacks can consist of packet sniffers, ping sweeps, port scans, and man-in-the-middle attacks.
- D. Reconnaissance attacks can consist of password attacks, trust exploitation, port redirection and Internet information queries.
- E. Reconnaissance attacks can consist of packet sniffers, port scans, ping sweeps, and Internet information queries.
- F. Reconnaissance attacks can consist of ping sweeps, port scans, man-in-middle attacks and Internet information queries.

Answer: AE

15. Which form of DSL technology is typically used as a replacement for T1 lines?

- A. VDSL
- B. HDSL
- C. ADSL
- D. SDSL
- E. G.SHDSL
- F. IDSL

Answer: B

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