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Cisco Others

642-566: Security Solutions for Systems Engineers Exam

Practice Exam: 642-566 Exams

Exam Number/Code: 642-566

Exam Name: Security Solutions for Systems Engineers Exam

Questions and Answers: 115 Q&As

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1. Pharming attacks, which are used to fool users into submitting sensitive information to malicious servers, typically involve which attack method?

- A. ARP poisoning
- B. DNS cache poisoning
- C. DHCP exhaustion
- D. DHCP server spoofing
- E. IP spoofing

Answer: B

2. Which three security components can be found in today's typical single-tier firewall system? (Choose three.)

- A. Stateful Packet Filtering with Application Inspection and Control
- B. IPS
- C. Network Admission Control
- D. application proxy
- E. Cache engine
- F. server load balancing

Answer: ABD

3. Cisco Security MARS and Cisco Security Manager can work together to perform which two functions? (Choose two.)

- A. centralized attacks mitigation commands management
- B. centralized syslog storage and management
- C. firewall events-to-Cisco Security MARS events correlations
- D. IPS events-to-Cisco Security MARS events correlations
- E. false-positive tuning
- F. incident-vector analysis

Answer: CD

4. What is used to enable IPsec usage across Port Address Translation (PAT) devices?

- A. port forwarding
- B. static NAT/PAT
- C. NAT-T
- D. IPsec tunnel mode
- E. RRI

Answer: C

5. When implementing point-to-point secure WAN solutions over the Internet, which alternative Cisco IOS method is available if GRE-over-IPsec tunnels cannot be used?

- A. Virtual Routing Forwardings (VRFs)
- B. Virtual Tunnel Interfaces (VTIs)
- C. dynamic crypto maps
- D. GET VPN

Answer: B

6. Which platform has the highest IPsec throughput and can support the highest number of tunnels?

- A. Cisco 3845 with AIM-VPN/SSL-3
- B. Cisco 7200 NPE-GE+VSA
- C. Cisco 7200 NPE-GE+VAM2+
- D. Cisco ASR 1000-5G
- E. Cisco 6500/7600 + VPN SPA
- F. Cisco ASA 5580

Answer: E

7. Which protocol is used to allow the utilization of Cisco Wide Area Application Engines or Cisco IronPort S-Series web security appliances to localize web traffic patterns in the network and to enable the local fulfillment of content requests?

- A. SOAP
- B. XML
- C. WCCP
- D. HTTPS
- E. DTLS
- F. TLS

Answer: C

8. Which three benefits does DMVPN offer? (Choose three.)

- A. supports spokes that use dynamic IP addresses
- B. supports IP unicast and multicast traffic
- C. supports native routing protocols over the tunnels
- D. is available on Cisco IOS routers and on Cisco ASA security appliances
- E. provides tunnel-less any-to-any connectivity
- F. has less overhead than GRE over IPsec

Answer: ABC

9. Which two Cisco IOS features can be used to enable a router's command authorization? (Choose two.)

- A. command privilege levels
- B. auto secure
- C. CLI views
- D. management plane protection (MPP)
- E. one-step lockdown

Answer: AC

10. Refer to the exhibit. Which three Cisco IOS features can be used on the VPN gateways (Cisco IOS routers) to implement high availability for remote-access IPsec VPN? (Choose three.)

- A. VPN clustering
- B. Reverse Route Injection (RRI)
- C. VPN clustering
- D. Dead Peer Detection (DPD)
- E. cooperative key servers
- F. virtual contexts

Answer: ABD

11. Which three are correct guidelines when using separation to secure the enterprise data center? (Choose three.)

- A. Separate exposed services' resources into security domains, as granularly as possible.
- B. Use DMZ to host exposed services.
- C. Always prefer logical separation to physical separation.
- D. Use multiple firewall tiers for defense in depth
- E. Use IDS instead of IPS for better performance.

Answer: ABD

12. What is the difference between hashing and Hashed Message Authentication Code (HMAC) algorithms?

- A. HMAC provides non-repudiation service.
- B. Hashing protects against man-in-the-middle attacks.
- C. With hashing, the original data can be recovered, given only its digest.
- D. HMAC uses an asymmetric key; hashing uses a symmetric key.
- E. HMAC uses an additional secret key as the input to the hash function.

Answer: E

13. Which is used to authenticate remote IPsec VPN users?

- A. PFS
- B. XAUTH
- C. mode configuration
- D. single sign-on (SSO)
- E. Diffie-Hellman (DH)
- F. pre-shared key

Answer: B

14. Which algorithm is recommended for implementing automatic symmetric key exchange over an unsecured channel?

- A. public key infrastructure (PKI)
- B. Diffie-Hellman (DH)
- C. RSA
- D. EAP
- E. SHA-512
- F. AES

Answer: B

15. Which statement regarding the hybrid user authentication model for remote-access IPsec VPNs is correct?

- A. VPN servers authenticate by using pre-shared keys, and users authenticate by using usernames and passwords.
- B. VPN servers authenticate by using digital certificates, and users authenticate by using usernames and passwords.
- C. VPN servers authenticate by using digital certificates, and users authenticate by using pre-shared keys.
- D. VPN servers and users authenticate by using digital certificates.
- E. VPN servers and users authenticate by using pre-shared keys.

Answer: B

16. Which two logical controls are available on Cisco IOS routers to limit the damage of physical intrusions? (Choose two.)

- A. USB smart token key storage
- B. security stickers
- C. disabling of password recovery
- D. digitally signed Cisco IOS image
- E. port security

Answer: AC

17. What is implemented on Cisco IP Phones so that they can authenticate itself before gaining network access?

- A. Cisco Secure Services Client
- B. Cisco NAC Appliance Agent (NAA)
- C. IEEE 802.1X supplicant
- D. AAA client
- E. Cisco Security Agent
- F. one-time password

Answer: C

18. What is the primary reason that GET VPN is not deployed over the public Internet?

- A. because GET VPN supports re-keying using multicast only
- B. because GET VPN preserves the original source and destination IP addresses, which may be private addresses that are not routable over the Internet
- C. because GET VPN uses IPsec transport mode, which would expose the IP addresses to the public if using the Internet
- D. because the GET VPN group members use multicast to register with the key servers
- E. because the GET VPN key servers and group members requires a secure path to exchange the Key Encryption Key (KEK) and the Traffic Encryption Key (TEK)

Answer: B

19. The LWAPP protocol supports which type of native encryption?

- A. DES
- B. 3DES
- C. RC5
- E. ECC
- F. AES

Answer: F

20. Which Cisco software agent uses content scanning to identify sensitive content and controls the transfer of sensitive content off the local endpoint over removable storage, locally or network-attached hardware, or network applications?

- A. Cisco Trust Agent 2.0
- B. Cisco NAC Appliance Agent 4.1.3
- C. Cisco NAC Appliance Web Agent 1.0
- D. Cisco Security Agent 6.0
- E. Cisco IronPort Agent 3.0

Answer: D

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