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HCIP-Security H12-725_V4.0 Real Dumps
1. Which of the following is not the responsibility of the Anti-DDos Defense System Management Center? A. Security report analysis B. Device Management C. Issue defense strategies D. Carry out traffic diversion Answer: D

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Huawei HCIP-Security V4.0 Sample Questions (Q47-Q52):

NEW QUESTION # 47

In the figure, enterprise A and enterprise B need to communicate securely, and an IPsec tunnel is established between firewall A and firewall B. Which of the following security protocols and encapsulation modes can meet the requirements of this scenario?

- A. ESP; transport mode
- B. AH+ESP; transport mode
- **C. ESP; tunnel mode**
- D. AH; tunnel mode

Answer: C

Explanation:

1##Understanding the Scenario:

- * Enterprise A and Enterprise B communicate over the Internet through an IPsec tunnel.
- * Firewall A and Firewall B establish the tunnel to secure traffic between the enterprises.
- * The network includes a Source NAT device, meaning IP headers may be modified.
- * The goal is to ensure confidentiality, integrity, and authentication of data transmission.

2##Why ESP (Encapsulating Security Payload)?

- * ESP (Encapsulating Security Payload) provides:
 - * Encryption (Confidentiality)# Protects data from eavesdropping.
 - * Integrity & Authentication# Ensures data is not modified.
 - * NAT Traversal Support# Works through NAT devices, unlike AH (Authentication Header).
- * ESP is the preferred choice for VPN tunnels over the public Internet.

3##Why Tunnel Mode?

- * Tunnel Mode encapsulates the entire original IP packet, including headers and payload, adding a new IP header.
- * Advantages of Tunnel Mode:
 - * Protects both the data and the original IP addresses (important for communication over untrusted networks).
 - * Used in site-to-site VPNs where private network addresses need to be hidden.

HCIP-Security References:

- * Huawei HCIP-Security Guide# IPsec VPN Fundamentals
- * Huawei USG Series Firewall Configuration Guide# IPsec ESP vs. AH
- * RFC 4301 (Security Architecture for the Internet Protocol)# ESP and Tunnel Mode Usage

NEW QUESTION # 48

Which of the following protocols can be encapsulated through GRE over IPsec?(Select All that Apply)

- **A. VRRP**
- **B. OSPF**
- **C. IPX**
- **D. IPv6**

Answer: A,B,C,D

Explanation:

Comprehensive and Detailed Explanation:

- * IPsec does not support non-IP traffic (e.g., multicast, routing protocols, or legacy protocols like IPX).
- * GRE over IPsec allows encapsulation of:
 - * A. IPX# Legacy protocol supported via GRE.
 - * B. VRRP# Uses multicast, which GRE supports.
 - * C. IPv6# GRE tunnels can carry IPv6 over IPv4.
 - * D. OSPF# Uses multicast (224.0.0.5 & 224.0.0.6), requiring GRE.
- * Why are all options correct?
- * GRE over IPsec is required for non-unicast and legacy protocols.

HCIP-Security References:

- * Huawei HCIP-Security Guide # GRE over IPsec Deployment

NEW QUESTION # 49

IPsec VPN does not support encapsulation of non-IP unicast packets.

- A. FALSE
- **B. TRUE**

Answer: B

Explanation:

Comprehensive and Detailed Explanation:

- * IPsec VPN only supports IP unicast traffic.
- * Non-IP unicast packets (such as multicast and broadcast) are not natively supported.
- * To transmit multicast traffic over IPsec, GRE over IPsec is required.
- * Why is this statement true?
- * Standard IPsec VPN does not support non-IP unicast packets.

HCIP-Security References:

- * Huawei HCIP-Security Guide # IPsec VPN Limitations

NEW QUESTION # 50

Which of the following is the function of Message 1 and Message 2 during IKEv1 phase-1 negotiation in main mode?

- A. Exchange of key-related information (materials used for key generation) using the DH algorithm and generation of keys
- B. IPsec SA negotiation
- C. Mutual identity authentication
- D. Negotiation of the IKE proposals used between peers

Answer: D

Explanation:

Comprehensive and Detailed Explanation:

- * IKEv1 Phase 1 (Main Mode) consists of six messages:
- * Messages 1 & 2 # Negotiate security proposals(encryption, authentication, and DH group).
- * Messages 3 & 4 # Exchange key-related information.
- * Messages 5 & 6 # Perform mutual authentication.
- * Why is B correct?
- * Messages 1 and 2 negotiate IKE proposals between VPN peers.

HCIP-Security References:

- * Huawei HCIP-Security Guide # IKEv1 Main Mode Negotiation

NEW QUESTION # 51

Network Access Control (NAC) is an end-to-end security control technology that works in combination with AAA to implement access authentication. Which of the following statements about NAC and AAA are true?(Select All that Apply)

- A. NAC is mainly used for interaction between access devices and authentication servers.
- B. NAC provides three authentication modes: 802.1X authentication, MAC address authentication, and Portal authentication.
- C. An AAA server controls network access rights of users through authentication, authorization, and accounting.
- D. AAA is mainly used for interaction between users and access devices.

Answer: A,B,C,D

Explanation:

Comprehensive and Detailed Explanation:

- * Network Access Control (NAC) and AAA work together for secure network access.
- * Key functions:
- * A. AAA handles user-to-device authentication.
- * B. NAC handles device-to-server authentication.
- * C. NAC supports 802.1X, MAC authentication, and Portal authentication.
- * D. AAA enforces authentication, authorization, and accounting.
- * Why are all options correct?
- * Each option correctly describes a function of NAC or AAA.

HCIP-Security References:

- * Huawei HCIP-Security Guide # NAC & AAA Integration

NEW QUESTION # 52

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