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CCNA Security

CCNA Security (New Version) & 210-260 IINS Exam

Course Outline

1. Security Concepts

- Threatscape
- Threat defense technologies
- Security policy and basic security architectures
- Cryptographic technologies

2. Secure Network Devices

- Implementing AAA
- Management protocols and systems
- Securing the control plane

3. Layer 2 Security

- Securing Layer 2 infrastructures
- Securing Layer 2 protocols

4. Firewall

- Firewall technologies
- Introducing the Cisco ASA v9.2
- Cisco ASA access control and service policies
- Cisco IOS zone based firewall

5. VPN

- IPsec technologies
- Site-to-site VPN
- Client-based remote access VPN
- Clientless remote access VPN

6. Advanced Topics

- Intrusion detection and protection
- Endpoint protection
- Content security
- Advanced network security architectures

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Labs

Lab 1: Exploring Cryptographic Technologies

Lab 2: Configure and Verify AAA

Lab 3: Configuration Management Protocols

Lab 4: Securing Routing Protocols

Lab 5: VLAN Security and ACLs on Switches

Lab 6: Port Security and Private VLAN Edge

Lab 7: Securing DHCP, ARP, and STP

Lab 8: Explore Firewall Technologies

Lab 9: Cisco ASA Interfaces and NAT

Lab 10: Site-to-Site VPN

Lab 11: Clientless Remote Access VPN

Lab 12: Configure DHCP Snooping and STP Protection

Lab 13: Configure Interfaces and NAT on the Cisco ASA