



Implementing Cisco Secure Mobility Solutions v1.0 - SIMOS (Professional)

Course Details

Course Outline

- 1. Fundamentals of VPN Technologies and Cryptography**
 - a. The Role of VPNs in Network Security
 - b. VPNs and Cryptography
- 2. Deploying Secure Site-to-Site Connectivity Solutions**
 - a. Introducing Cisco Secure Site-to-Site Connectivity Solutions
 - b. Deploying Point-to-Point IPsec VPNs on the Cisco ASA
 - c. Deploying Cisco IOS VTI-Based Point-to-Point IPsec VPNs
 - d. Deploying Cisco IOS DMVPNs
- 3. Deploying Cisco IOS Site-to-Site FlexVPN Solutions**
 - a. Introducing Cisco FlexVPN Solution
 - b. Deploying Point-to-Point IPsec VPNs Using Cisco IOS FlexVPN
 - c. Deploying Hub-and-Spoke IPsec VPNs Using Cisco IOS FlexVPN
 - d. Deploying Spoke-to-Spoke IPsec VPNs Using Cisco IOS FlexVPN
- 4. Deploying Clientless SSL VPN**
 - a. Clientless SSL VPN Overview
 - b. Deploying Basic Cisco Clientless SSL VPN
 - c. Deploying Application Access in Clientless SSL VPN
 - d. Deploying Advanced Authentication in Clientless SSL VPN
- 5. Deploying Cisco AnyConnect VPNs**
 - a. Overview of Cisco AnyConnect VPNs
 - b. Deploying Basic Cisco AnyConnect SSL VPN on Cisco ASA
 - c. Deploying Advanced Cisco AnyConnect SSL VPN on Cisco ASA
 - d. Deploying Cisco AnyConnect IPsec/IKEv2 VPNs
 - e. Deploying Advanced Authentication, Authorization, and Accounting in Cisco AnyConnect VPNs



6. Deploying Endpoint Security and Dynamic Access Policies

- a. Implementing Host Scan
- b. Implementing DAP for SSL VPNs

7. Lab

- a. Lab: Implement Site-to-Site Secure Connectivity on the Cisco ASA
- b. Lab: Implement Cisco IOS Static VTI Point-to-Point Tunnel
- c. Lab: Implement DMVPN
- d. Lab: Implement Site-to-Site Secure Connectivity Using Cisco IOS FlexVPN
- e. Lab: Implement Hub-to-Spoke Secure Connectivity Using Cisco IOS Flex VPN
- f. Lab: Implement Spoke-to-Spoke Secure Connectivity Using Cisco IOS Flex VPN
- g. Lab: Implement ASA Basic Clientless SSL VPN
- h. Lab: Application Access clientless SSL
- i. Lab: Advanced AAA clientless SSL
- j. Lab: Implement ASA Basic AnyConnect SSL VPN
- k. Lab: Configure Advanced Cisco AnyConnect SSL VPN on Cisco ASA
- l. Lab: Configure Cisco AnyConnect IPsec/IKEv2 VPNs on Cisco ASA
- m. Lab: Configure Advanced Authentication for Cisco AnyConnect VPN on Cisco ASA
- n. Lab: Configure Hostscan and DAP for AnyConnect SSL VPNs