

Implementing Cisco Secure Mobility Solutions (Part of the CCNP Security certification track)



Course Outline

Module 1: Fundamentals of VPN Technologies and Cryptography

- Lesson 1: The Role of VPNs in Network Security
- Lesson 2: VPNs and Cryptography

Module 2: Deploying Secure Site-to-Site Connectivity Solutions

- Lesson 1: Introducing Cisco Secure Site-to-Site Connectivity Solutions
- Lesson 2: Deploying Point-to-Point IPsec VPNs on the Cisco ASA
- Lesson 3: Deploying Cisco IOS VTI-Based Point-to-Point IPsec VPNs
- Lesson 4: Deploying Cisco IOS DMVPNs

Module 3: Deploying Cisco IOS Site-to-Site FlexVPN Solutions

- Lesson 1: Introducing Cisco FlexVPN Solution
- Lesson 2: Deploying Point-to-Point IPsec VPNs Using Cisco IOS FlexVPN
- Lesson 3: Deploying Hub-and-Spoke IPsec VPNs Using Cisco IOS FlexVPN
- Lesson 4: Deploying Spoke-to-Spoke IPsec VPNs Using Cisco IOS FlexVPN

Module 4: Deploying Clientless SSL VPN

- Lesson 1: Clientless SSL VPN Overview
- Lesson 2: Deploying Basic Cisco Clientless SSL VPN
- Lesson 3: Deploying Application Access in Clientless SSL VPN
- Lesson 4: Deploying Advanced Authentication in Clientless SSL VPN

Module 5: Deploying Cisco AnyConnect VPNs

- Lesson 1 Overview of Cisco AnyConnect VPNs
- Lesson 2 Deploying Basic Cisco AnyConnect SSL VPN on Cisco ASA

Lesson 3 Deploying Advanced Cisco AnyConnect SSL VPN on Cisco ASA

Lesson 4 Deploying Cisco AnyConnect IPsec/IKEv2 VPNs

Lesson 5 Deploying Advanced Authentication, Authorization, and Accounting in Cisco AnyConnect VPNs

Module 6: Deploying Endpoint Security and Dynamic Access Policies

Lesson 1: Implementing Host Scan

Lesson 2: Implementing DAP for SSL VPNs

Lab Outline

Module 2 Lab 1: Implement Site-to-Site Secure Connectivity on the Cisco ASA

Module 2 Lab 2: Implement Cisco IOS Static VTI Point-to-Point Tunnel

Module 2 Lab 3: Implement DMVPN

Module 3 Lab 1: Implement Site-to-Site Secure Connectivity Using Cisco IOS FlexVPN

Module 3 Lab 2: Implement Hub-to-Spoke Secure Connectivity Using Cisco IOS Flex VPN

Module 3 Lab 3: Implement Spoke-to-Spoke Secure Connectivity Using Cisco IOS Flex VPN

Module 4 Lab 1: Implement ASA Basic Clientless SSL VPN

Module 4 Lab 2: Application Access clientless SSL

Module 4 Lab 3: Advanced AAA clientless SSL

Module 5 Lab 1: Implement ASA Basic AnyConnect SSL VPN

Module 5 Lab 2: Configure Advanced Cisco AnyConnect SSL VPN on Cisco ASA

Module 5 Lab 3: Configure Cisco AnyConnect IPsec/IKEv2 VPNs on Cisco ASA

Module 5 Lab 4: Configure Advanced Authentication for Cisco AnyConnect VPN on Cisco ASA

Module 6 Lab 1: Configure Hostscan and DAP for AnyConnect SSL VPNs