

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



Course Outline

Module 1: Threat Mitigation Through Identity Services

- Lesson 1: Identity Services
- Lesson 2: 802.1X and EAP
- Lesson 3: Identity System Quick Start
- Lesson 4: Module Summary

Module 2: Cisco Identity Services Engine (ISE) Fundamentals

- Lesson 1: Cisco ISE Overview
- Lesson 2: Cisco ISE with PKI
- Lesson 3: Cisco ISE Authentication
- Lesson 4: Configuring Cisco ISE for External Authentication
- Lesson 5: Module Summary

Module 3: Advanced Access Control

- Lesson 1: Certificate-based User Authentication
- Lesson 2: Authorization
- Lesson 3: Security Group Access (SGA) and MACsec Implementation
- Lesson 4: Module Summary

Module 4: Web Authentication and Guest Access

- Lesson 1: Describe the Cisco Email Security Solutions
- Lesson 2: Guest Access Services
- Lesson 3: Summary

Module 5: Endpoint Access Control Enhancements

- Lesson 1: Posture
- Lesson 2: Profiler
- Lesson 3: BYOD
- Lesson 4: Summary

Module 6: Troubleshooting Network Access Control

- Lesson 1: Troubleshooting Network Access Control
- Lesson 2: Summary

Lab Outline

- Lab 1-1: Bootstrap Identity System
- Lab 2-1: Enroll Cisco ISE in PKI
- Lab 2-2: Implement MAB and Internal Authentication
- Lab 2-3: Implement External Authentication
- Lab 3-1: Implement EAP-TLS
- Lab 3-2: Implement Authorization
- Lab 4-1: Implement Central WebAuth and Guest Services
- Lab 5-1: Implement Posture Service
- Lab 5-2: Implement the Profile Service
- Lab 6-1: Troubleshooting Network Access Control