Implementing Cisco Secure Access Solutions - On Demand (SISAS 1.0)

Modality: On Demand

Duration: 40 Hours

CLC: 10 Units

Enhance your understanding of Cisco technologies and products with e-learning offerings from Cisco and Cisco's authorized learning partners. E-learning courses focus on a variety of Cisco technologies to prepare you for Cisco certification exams, and to gain Cisco product knowledge. The e-learning offerings are made to be interactive and engaging for learners who prefer self-study.

Some Cisco Self-paced courses provide access to hands-on virtual lab exercises, giving you the opportunity to practice configuration and troubleshooting on real Cisco platforms.

Course Outline:

Lesson 1: Threat Mitigation Through Identity Services

- Topic 1A: Identity Services
- Topic 1B: 802.1X and EAP
- Topic 1C: Identity System Quick Start

Lesson 2: Cisco ISE Fundamentals

- Topic 2A: Cisco ISE Overview
- Topic 2B: Cisco ISE PKIPKI
- Topic 2C: Cisco ISE Authentication
- Topic 2D: Cisco ISE External Authentication

Lesson 3: Advanced Access Control

- Topic 3A: Certificate-Based User Authentication
- Topic 3B: Authorization
- Topic 3C: Cisco TrustSec and MACsec

Lesson 4: Web Authentication and Guest Access

- Topic 4A: Deploying WebAuth
- Topic 4B: Deploying Guest Service

Lesson 5: Endpoint Access Control Enhancements

- Topic 5A: Deploying Posture Service
- Topic 5B: Deploying Profiler Service

- Topic 5C: Implementing BYOD

Lesson 6: Access Control Troubleshooting

- Topic 6A: Troubleshooting Network Access Controls

Hands On Labs

- Lab 1: Bootstrap Identity System
- Lab 2: Enroll Cisco ISE in PKI
- Lab 3: Implement MAB and Internal Authentication
- Lab 4: Implement External Authentication
- Lab 5: Implement EAP-TLS
- Lab 6: Implement Authorization
- Lab 7: Implement Central WebAuth and Guest Services
- Lab 8: Implement Posture Service
- Lab 9: Implement the Profile Service
- Lab 10: Troubleshooting Network Access Control