

# Cisco® Implementing Cisco® Secure Access Solutions (SISAS)

## Course Overview

The student will gain hands-on experience with configuring various advance Cisco security solutions for mitigating outside threats and securing devices connecting to the network. At the end of the course, students will be able to reduce the risk to their IT infrastructures and applications using Cisco ISE appliance feature and provide operational support identity and network access control.

## Who Should Attend

Network Security Engineers

## Course Objectives

Understand Cisco Identity Services Engine architecture and access control capabilities. Understand 802.1X architecture, implementation and operation. Understand commonly implemented Extensible Authentication Protocols (EAP). Implement Public-Key Infrastructure with ISE. Understand the implement Internal and External authentication databases. Implement MAC Authentication Bypass. Implement identity based authorization policies. Understand Cisco TrustSec features. Implement Web Authentication and Guest Access. Implement ISE Posture service. Implement ISE Profiling. Understand Bring Your Own Device (BYOD) with ISE. Troubleshoot ISE.

## Other Prerequisites

Cisco Certified Network Associate (CCNA) certification  
Cisco Certified Network Associate (CCNA) Security certification  
Knowledge of Microsoft Windows operating system

## Course Outline

- 1 Course Introduction
- 2 Lab Guide
- 3 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

This is a 5-day class

## Upcoming Dates

Date	Time	Where
11/11/2019	10:00AM - 6:00PM	Online LIVE

[View All Course Dates & Register Today](#)



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## 4 Cisco 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

## 5 Advance Access Control

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

## 6 Web Authentication and Guest Access

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

## 7 Endpoint Access Control

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

## 8 Troubleshooting Network Access Control

Lesson 1: Troubleshooting Network Access Control  
Lesson 2: Summary