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# Implementing and Configuring Cisco Identity Services Engine (SISE) V4.0

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HAPPENS EVERYDAY!***

## Implementing and Configuring Cisco Identity Services Engine (SISE) V4.0

### Course Duration

5 Days

### Course Price

\$4,295.00

43 CLCs

### Methods of Delivery

In-Person ILT

Virtual ILT

Onsite ILT

### About this Class

The Implementing and Configuring Cisco Identity Services Engine (SISE) v4.0 course teaches you to deploy and use Cisco® Identity Services Engine (ISE) v3.x, an identity and access control policy platform that simplifies the delivery of consistent, highly secure access control across wired, wireless, and VPN connections. This hands-on course provides you with the knowledge and skills to implement and apply Cisco ISE capabilities to support use cases for Zero Trust security posture. These use cases include tasks such as policy enforcement, profiling services, web authentication and guest access services, BYOD, endpoint compliance services, and Terminal Access Controller Access Control Server (TACACS+) device administration. Through hands-on practice via lab exercises, you will learn how to use Cisco ISE to gain visibility into what is happening in your network, streamline security policy management, and contribute to operational efficiency.

This course helps you prepare to take the exam, Implementing and Configuring Cisco Identity Services Engine (300-715 SISE), which leads to CCNP® Security and the Cisco Certified Specialist – Security Identity Management Implementation certifications.

## Implementing and Configuring Cisco Identity Services Engine (SISE) V4.0

### How you will benefit

This class will help you:

- Develop and implement SASE architecture
- Understand application of ISE capabilities towards development of a Zero Trust approach
- Enable BYOD and guest access
- Centrally configure and manage posture, authentication, and authorization services in a single web-based GUI console
- Gain leading-edge career skills for high-demand job roles and responsibilities focused on enterprise security
- Earn 40 CE credits toward recertification

### Why Attend with Current Technologies CLC

- Our Instructors are the top 10% rated by Cisco
- Our Lab has a dedicated 1 Gig Fiber Connection for our Labs
- Our Labs run up to Date Code for all our courses

### Who Should Attend

The job roles best suited to the material in this course are:

- Network Security Engineers
- Network Security Architects
- ISE Administrators
- Senior Security Operations Center (SOC) personnel responsible for Incidence Response
- Cisco Integrators and Partners

## Implementing and Configuring Cisco Identity Services Engine (SISE) V4.0

### Objectives

After taking this course, you should be able to:

- Describe the Cisco Identity Services Engine (ISE)
- Explain Cisco ISE deployment
- Describe Cisco ISE policy enforcement components
- Describe Cisco ISE policy configuration
- Troubleshoot Cisco ISE policy and third-party Network Access Device (NAD) support
- Configure guest access
- Configure hotspots and guest portals
- Describe the Cisco ISE profiler services
- Describe profiling best practices and reporting
- Configure a Cisco ISE BYOD solution
- Configure endpoint compliance
- Configure client posture services
- Configure Cisco ISE device administration
- Describe Cisco ISE TrustSec configurations

## Implementing and Configuring Cisco Identity Services Engine (SISE) V4.0

### Course Outline

#### Module 1: Introducing Cisco ISE Architecture

- Using Cisco ISE as a Network Access Policy Engine
- Cisco ISE Use Case
- Describing Cisco ISE Functions
- Cisco ISE Deployment Models
- Context Visibility

#### Module 2: Introducing Cisco ISE Deployment

- Cisco ISE Deployment Models
- Context Visibility

#### Module 3: Introducing Cisco ISE Policy Enforcement Components

#### Module 4: Introducing Cisco ISE Policy Configuration

#### Module 5: Troubleshooting Cisco ISE Policy and Third-Party NAD Support

#### Module 6: Web Authentication and Guest Services

- Introducing Web Access with Cisco ISE
- Introducing Guest Access Components
- Configuring Guest Access Settings
- Configuring Sponsor and Guest Portals

#### Module 7: Configuring Hotspots and Guest Portals

#### Module 8: Introducing the Cisco ISE Profiler

- Introducing Cisco ISE Profiler
- Profiling Deployment and Best Practices

#### Module 9: Introducing Profiling Best Practices and Reporting

## Implementing and Configuring Cisco Identity Services Engine (SISE) V4.0

### Course Outline

#### Module 10: Cisco ISE BYOD

- Introducing the Cisco ISE BYOD Process
- Describing BYOD Flow
- Configuring the My Devices Portal
- Configuring Certificates in BYOD Scenarios

#### Module 11: Cisco ISE Endpoint Compliance Services

- Introducing Endpoint Compliance Services
- Configuring Client Posture Services and Provisioning in Cisco ISE

#### Module 12: Configuring Client Posture Services and Compliance

#### Module 13: Working with Network Access Devices

- Review TACACS+
- Cisco ISE TACACS+ Device Administration
- Configure TACACS Device Administration
- TACACS Device Administration Guidelines and Best Practices
- Migrating from Cisco ACS to Cisco ISE

#### Module 14: Exploring Cisco TrustSec

## Implementing and Configuring Cisco Identity Services Engine (SISE) V4.0

### Lab Outline

- Lab 1: Configure Initial Cisco ISE Setup, and System Certificate Usage
- Lab 2: Integrate Cisco ISE with Active Directory
- Lab 3: Configure Cisco ISE Policy for MAC Authentication Bypass (MAB)
- Lab 4: Configure Cisco ISE Policy for 802.1X
- Lab 5: Configure Guest Access
- Lab 6: Configure Hotspot and Self-Registered Guest Access
- Lab 7: Configure Sponsor-Approved and Fully Sponsored Guest Access
- Lab 8: Create Guest Reports
- Lab 9: Configure Profiling
- Lab 10: Customize the Cisco ISE Profiling Configuration
- Lab 11: Create Cisco ISE Profiling Reports
- Lab 12: Configure BYOD
- Lab 13: Manage a Lost or Stolen BYOD Device
- Lab 14: Configure Cisco ISE Compliance Services
- Lab 15: Configure Client Provisioning
- Lab 16: Configure Posture Policies
- Lab 17: Test and Monitor Compliance-Based Access
- Lab 18: Configure Cisco ISE for Basic Device Administration
- Lab 19: Configure Cisco ISE Command Authorization
- Lab 20: Configure Cisco TrustSec