

# Implementing and Configuring Cisco Identity Services Engine (SISE)

ID SISE Price 3,595.— €(excl. tax) Duration 5 days

We always use the latest ISE software version in our lab environment and keep it up to date all the time.

## Course Overview

The **Implementing and Configuring Cisco Identity Services Engine (SISE)** training 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 virtual private network (VPN) connections. This hands-on training 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, Bring Your Own Device (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 training prepares you for 300-715 SISE v1.1 exam. If passed, you earn the **Cisco Certified Specialist – Security Identity Management Implementation certification** and satisfy the concentration exam requirement for the [Cisco Certified Network Professional Security \(CCNP SECURITY\)](#)

## How You'll Benefit

This training 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
- Prepare for the 300-715 SISE v1.1 exam
- Earn 40 CE credits toward recertification

## What to Expect in the Exam

**Implementing and Configuring Cisco Identity Services Engine (300-715 SISE) v1.1** is a 90-minute exam associated with the Cisco Certified Specialist – Security Identity Management Implementation certification and satisfies the concentration exam requirement for the CCNP Security certification.

This exam tests your knowledge of Cisco ISE, including:

- Architecture and deployment
- Policy enforcement
- Web Auth and guest services
- Profiler
- BYOD
- Endpoint compliance
- Network access device administration

## Who should attend

- Network Security Engineers
- Administrators

## This course is part of the following Certifications

Cisco Certified Network Professional Security (CCNP SECURITY)

## Prerequisites

There are no prerequisites for this training. However, the knowledge and skills you are recommended to have before attending this training are:

- Familiarity with the Cisco IOS® Software Command-Line

- Interface (CLI) for wired and wireless devices
- Familiarity with Cisco Secure Client
- Familiarity with Microsoft Windows operating systems
- Familiarity with 802.1X

These skills can be found in the following Cisco Learning Offering:

- [Implementing and Operating Cisco Security Core Technologies \(SCOR\)](#)

### Course Objectives

- Describe the Cisco ISE deployments, including core deployment components and how they interact to create a cohesive security architecture
  - Describe the advantages of such a deployment and how each Cisco ISE capability contributes to these advantages
  - Describe concepts and configure components related authentication, identity management, and certificate services
  - Describe how Cisco ISE policy sets are used to implement authentication and authorization, and how to leverage this capability to meet the needs of your organization
  - Describe third-party Network Access Devices (NADs), Cisco TrustSec, and Easy Connect
  - Configure web authentication and guest services, including guest access components and various guest access scenarios
  - Describe and configure Cisco ISE profiling services
  - Understand how to monitor these services to enhance endpoint security and ensure secure edge
  - Describe BYOD challenges, solutions, processes, and portals
  - Configure a BYOD solution and describe the relationship between BYOD processes and their related configuration components
  - Describe and configure various certificates related to a BYOD solution
  - Describe endpoint compliance, compliance components, posture agents, posture deployment and licensing, and the posture service in Cisco ISE
  - Describe the fundamentals of Identity and Access Management (IAM) by leveraging TACACS+
  - Configure TACACS+ device administration using Cisco ISE, including command sets, profiles, and policy sets
  - Understand the role of TACACS+ within the Authentication, Authorization, and Accounting (AAA) framework and the differences between the RADIUS and TACACS+ protocols
- Introducing Cisco ISE Architecture
  - Introducing Cisco ISE Deployment
  - Introducing Cisco ISE Policy Enforcement Components
  - Introducing Cisco ISE Policy Configuration
  - Troubleshooting Cisco ISE Policy and Third-Party NAD Support
  - Exploring Cisco TrustSec
  - Introducing Web Authentication and Guest Services
  - Configuring Hotspots and Guest Portals
  - Configuring Cisco ISE BYOD
  - Working with Network Access Devices
  - Introducing the Cisco ISE Profiler
  - Introducing Profiling Best Practices and Reporting
  - Introducing Cisco ISE Endpoint Compliance Services
  - Configuring Client Posture Services and Compliance

### Detailed Course Outline

# About Fast Lane



Fast Lane is a global, award-winning specialist in technology and business training as well as consulting services for digital transformation. As the only global partner of the three cloud hyperscalers- Microsoft, AWS and Google- and partner of 30 other leading IT vendors, Fast Lane offers qualification solutions and professional services that can be scaled as needed. More than 4,000 experienced Fast Lane professionals train and advise customers in organizations of all sizes in 90 countries worldwide in the areas of cloud, artificial intelligence, cyber security, software development, wireless and mobility, modern workplace, as well as management and leadership skills, IT and project management.

## Fast Lane Services

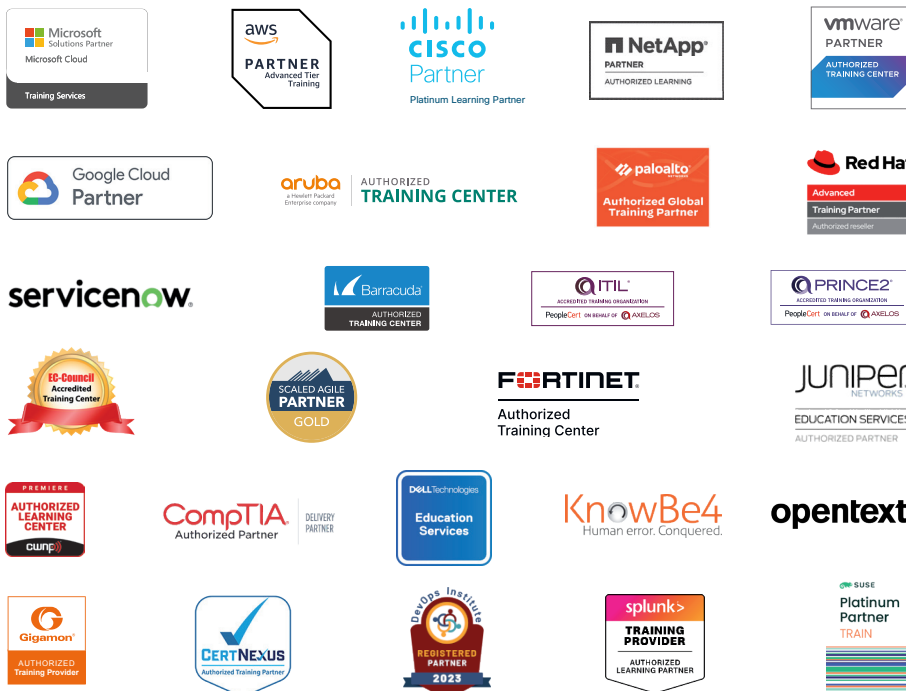
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- ✓ Content Development
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- ✓ Event Management Services

## Training Methods

- ✓ Classroom Training
- ✓ Instructor-Led Online Training
- ✓ FLEX Classroom – Classroom & Online Hybrid
- ✓ Onsite & Customized Training
- ✓ E-Learning
- ✓ Blended & Hybrid Learning
- ✓ Mobile Learning

## Technologies & Solutions

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- ✓ Artificial Intelligence
- ✓ Cloud
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