Implementing and Configuring Cisco Identity Services Engine (SISE) v4.0

What you'll learn in this course

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 **Implementing and Configuring Cisco Identity Services Engine (300-715 SISE)** exam, which leads to **CCNP® Security** and the **Cisco Certified Specialist - Security Identity Management Implementation** certifications. This course also earns you 40 Continuing Education (CE) credits toward recertification.

Course duration

- Instructor led training: 5 days in the classroom with hands on lab practice
- E-learning: Equivalent of 5 days of content with videos, practice, and challenges

How you'll benefit

This class will help you use Cisco ISE to:

- 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

What to expect in the exam

This exam certifies your knowledge of Cisco Identify Services Engine, including architecture and deployment, policy enforcement, Web Auth and guest services, profiler, BYOD, endpoint compliance, and network access device administration.

After you pass 300-715 SISE:

- You earn the Cisco Certified Specialist - Security Identity Management Implementation certification

- You will have satisfied the concentration exam requirement for the new CCNP Security certification. To complete CCNP Security, you also need to pass the Implementing and Operating Cisco Security Core Technologies (350-701 SCOR) exam or its equivalent.

Who should enroll

- Network security engineers
- Network security architects
- ISE administrators
- Senior Security Operations Center (SOC) personnel responsible for Incidence Response
- Cisco integrators and partners

How to enroll

E-learning

- To buy a single e-learning license, visit the [Cisco Learning Network Store](#).
- For more than one license, or a learning library subscription, contact us at [learning-bdm@cisco.com](#).

Instructor-led Training

- Find a class at the [Cisco Learning Locator](#).
- Arrange training at your location through [Cisco Private Group Training](#).

Technology areas

- Security

Course details

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

Prerequisites

To fully benefit from this course, you should have the following knowledge:

- Familiarity with the Cisco IOS® Software Command-Line Interface (CLI) for wired and wireless devices
- Familiarity with Cisco AnyConnect® Secure Mobility Client
- Familiarity with Microsoft Windows operating systems
- Familiarity with 802.1X

Recommended Cisco offerings that may help you meet these prerequisites:

- **Cisco CCNP Security Certification training**

Outline

- 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
- Introducing Web Authentication and Guest Services
- Configuring Hotspots and Guest Portals
- Introducing the Cisco ISE Profiler
- Introducing Profiling Best Practices and Reporting
- Configuring Cisco ISE BYOD
- Introducing Cisco ISE Endpoint Compliance Services
- Configuring Client Posture Services and Compliance
- Working With Network Access Devices
- Exploring Cisco TrustSec

Lab Outline

- Configure Initial Cisco ISE Setup and System Certificate Usage
- Integrate Cisco ISE with Active Directory
- Configure Cisco ISE Policy for MAC Authentication Bypass (MAB)
- Configure Cisco ISE Policy for 802.1X
- Configure Guest Access
- Configure Hotspot and Self-Registered Guest Access
- Configure Sponsor-Approved and Fully Sponsored Guest Access
- Create Guest Reports
- Configure Profiling
- Customize the Cisco ISE Profiling Configuration
- Create Cisco ISE Profiling Reports
- Configure BYOD
- Manage a Lost or Stolen BYOD Device

- Configure Cisco ISE Compliance Services
- Configure Client Provisioning
- Configure Posture Policies
- Test and Monitor Compliance-Based Access
- Configure Cisco ISE for Basic Device Administration
- Configure Cisco ISE Command Authorization
- Configure Cisco TrustSec

Course content is dynamic and subject to change without notice.

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