Implementing and Configuring Cisco Identity Services Engine (SISE)

Category: Networking & Security | **Vendor:** Cisco

Duration: 40.00 hours (5 days) **32.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	Cisco Certified Specialist – Security Identity Management
Related Exam:	300-715

Course Overview

Is your network access policy protecting your data—or blocking your users? Up to 70% of organizations say they lack full visibility into who’s accessing their systems—opening the door to both security risks and productivity gaps. The Implementing and Configuring Cisco Identity Services Engine (SISE) Training Course gives you the skills to fix that. You’ll learn to deploy Cisco ISE v3.x and enforce identity-based policies across wired, wireless, and VPN networks. Through expert instruction and hands-on labs, you’ll configure guest portals, BYOD onboarding, device profiling, posture checks, and TrustSec controls. This course also prepares you for the SISE v4.0 certification exam, helping you validate your expertise in Cisco ISE deployment, configuration, and troubleshooting as part of a Zero Trust strategy.

About This Course

Is your network access policy protecting your data—or blocking your users? Up to 70% of organizations say they lack full visibility into who's accessing their systems—opening the door to both security risks and productivity gaps. The Implementing and Configuring Cisco Identity Services Engine (SISE) Training Course gives you the skills to fix that. You'll learn to deploy Cisco ISE v3.x and enforce identity-based policies across wired, wireless, and VPN networks. Through expert instruction and hands-on labs, you'll configure guest portals, BYOD onboarding, device profiling, posture checks, and TrustSec controls. This course also prepares you for the SISE v4.0 certification exam, helping you validate your expertise in Cisco ISE deployment, configuration, and troubleshooting as part of a Zero Trust strategy.

Who Should Attend

This course is ideal for network security engineers, Cisco ISE administrators, SOC personnel, and IT teams responsible for managing secure network access. It's especially beneficial for professionals working on Zero Trust initiatives, BYOD policies, and identity-driven access—along with those preparing for the official Cisco SISE v4.0 exam.

Prerequisites & Entry Requirements

General Prerequisites:

It is recommended, but not required, to have the following skills and knowledge before attending this course:

- Familiarity with the Cisco IOS® Software command-line interface (CLI)
- Familiarity with Cisco AnyConnect® Secure Mobility Client
- Familiarity with Microsoft Windows operating systems
- Familiarity with 802.1X

Learning Outcomes

Upon successful completion of this course, participants will 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

Detailed Course Outline

Cisco ISE Architecture Overview

- Understand the role of Cisco ISE in enterprise security
- Review core components and capabilities of the ISE platform
- Explore identity-based access control models and policy logic

Deploying Cisco ISE

- Plan and configure initial Cisco ISE deployment
- Navigate licensing options and scalability considerations
- Integrate ISE with existing network infrastructure

Policy Enforcement Components in Cisco ISE

- Identify key elements involved in access policy enforcement
- Map out authentication, authorization, and accounting flows
- Understand the role of RADIUS, profiling, and posture in policy logic

Configuring Access Policies in Cisco ISE

- Create authentication and authorization policy sets
- Define rule conditions using identity, posture, and device data
- Streamline policy design using reusable objects and templates

Troubleshooting Policies and Third-Party NADs

- Use system logs and diagnostics to troubleshoot policy issues
- Resolve authentication failures and access denials
- Support and integrate non-Cisco network access devices

Web Authentication and Guest Services

- Design guest access flows using self-registration and sponsorship
- Configure web authentication portals and captive portals
- Customize branding, login options, and user notifications

Configuring Hotspots and Guest Portals

- Implement hotspot access with limited credentials
- Set up guest user onboarding workflows
- Monitor guest activity and configure expiration policies

Understanding Cisco ISE Profiling Services

- Identify devices using profiling probes and attributes
- Classify endpoints dynamically based on network behavior
- Use profiling policies to automate access decisions

Profiling Best Practices and Reporting

- Optimize profiling configurations for accuracy
- Generate endpoint and profiling reports
- Monitor endpoint behavior trends and anomalies

Configuring Cisco ISE for BYOD

- Enable onboarding for personal and unmanaged devices
- Define BYOD workflows including certificate provisioning
- Ensure secure access and policy enforcement for BYOD users

Endpoint Compliance Services in Cisco ISE

- Evaluate endpoint posture using predefined checks
- Integrate compliance posture with access decisions
- Remediate non-compliant devices automatically

Client Posture Services and Compliance Enforcement

- Set up posture agents and condition checks
- Enforce antivirus, firewall, and OS version compliance
- Apply policies based on client health status

Working with Network Access Devices

- Connect and manage switches, wireless controllers, and VPNs
- Use ISE to control access at the network edge
- Validate NAD configurations and manage updates

Exploring Cisco TrustSec

- Understand TrustSec components and security group tags (SGTs)
- Configure scalable group access policies
- Segment network access using TrustSec for secure zones

□□ Certification Path

Cisco Certified Specialist – Security Identity Management

Exam: 300-715

Upcoming Schedule

Available training dates for Implementing and Configuring Cisco Identity Services Engine (SISE):

Start Date	End Date	Location	Delivery	Price
25 Jan 2027	29 Jan 2027	Online	Virtual	€3,995.00

Frequently Asked Questions

Q: What delivery options are available for Implementing and Configuring Cisco Identity Services Engine (SISE)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The Implementing and Configuring Cisco Identity Services Engine (SISE) course helps prepare you for the Cisco Certified Specialist – Security Identity Management certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the 300-715 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 5-day Implementing and Configuring Cisco Identity Services Engine (SISE) course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Implementing and Configuring Cisco Identity Services Engine (SISE) training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Implementing and Configuring Cisco Identity Services Engine (SISE)?

Yes, we provide corporate training, dedicated training, and closed classes for Implementing and Configuring Cisco Identity Services Engine (SISE). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for Implementing and Configuring Cisco Identity Services Engine (SISE)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Implementing and Configuring Cisco Identity Services Engine (SISE) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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