

Cisco 300-715 SISE Exam Prep 2026

Cisco 300-715 SISE 2026. ISE configuration, authentication, policy sets, and profiling with hands-on labs.

[IT Certifications](#) Instructor: Jason Miller • 5 sections • 42 lessons • 14.75h total

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About this course

Preparing for the Cisco 300-715 SISE exam can feel overwhelming with all the topics to cover. This course breaks down the core concepts of Cisco Identity Services Engine into clear, manageable lessons, focusing on what you will face on the exam and in the real world. We skip the fluff and get to the configurations and troubleshooting you need.

You will learn how to configure authentication, authorization, and accounting, set up policy sets, and work with profiling services. We include practical labs, real case studies, and downloadable configuration templates.

Course curriculum

Foundations and ISE Architecture

- **Understanding the 300-715 Exam Objectives (12m)**
We'll break down the official exam blueprint, so you know exactly what topics to focus on and how they're weighted.
- **Core ISE Components and Deployment Models (18m)**
Learn the roles of Policy Administration, Policy Services, and Monitoring nodes. We'll cover standalone vs. distributed deployments.
- **Navigating the ISE GUI and CLI (15m)**
A practical tour of the ISE dashboard and command-line tools you'll need for configuration and troubleshooting.
- **Initial Setup: NTP, DHCP, and DNS Prerequisites (22m)**
Get your lab environment ready. We'll walk through the essential network services ISE depends on for smooth operation.
- **Defining Your Device Groups and Users (9m)**
A step-by-step guide to organizing your network devices and user identities within ISE for effective policy management.
- **ISE Certificate Management Explained (16m)**
Certificates are critical for EAP and HTTPS. We'll show you how to generate CSRs and install trusted certificates correctly.
- **Backup and Restore Strategies for ISE (11m)**
Protect your configuration. Learn the best practices for scheduling backups and performing a restore in a lab environment.

Authentication and Authorization Policies

- **Configuring Authentication Policies: The First Line of Defense (25m)**
We'll build authentication policies from scratch, covering identity stores like Active Directory and the Internal User Database.
- **Authorization Policies: From Rules to Results (28m)**
Learn how to create granular authorization rules that grant specific access rights based on user and device identity.
- **Working with Policy Sets for Wired and Wireless (21m)**
A practical look at how to separate policies for different access types using downloadable ACLs and authorization profiles.
- **Implementing EAP Methods: PEAP and EAP-TLS (32m)**
Deep dive into certificate-based authentication. We'll configure EAP-TLS and troubleshoot common client-side errors.
- **Guest User Services: Portals and Provisioning (24m)**
Set up a guest portal, learn about sponsorship workflows, and configure guest access policies for visitors.

- **BYOD Device Onboarding and Certificate Provisioning (29m)**
We'll walk through the full BYOD flow, from device registration to certificate provisioning for secure network access.
- **Troubleshooting Common Authentication Failures (19m)**
A problem-solving session using ISE live logs to diagnose and fix failed authentication attempts for wired and wireless users.
- **Using Authorization Profiles to Apply ACLs (14m)**
Learn how to create and apply downloadable ACLs (dACLs) to restrict user access post-authentication.
- **Integrating Active Directory for User Authentication (26m)**
A complete guide to joining ISE to an AD domain, configuring joins, and using AD groups in your authorization policies.

Device Administration and Network Device Integration

- **Configuring TACACS+ for Device Administration (27m)**
Learn how to use ISE as a TACACS+ server to manage router and switch admin access with command authorization and accounting.
- **Defining Command Sets for Role-Based Access Control (17m)**
We'll create permissive and restrictive command sets to control what network administrators can do on the command line.
- **Adding Network Devices: AAA and SNMP Configuration (13m)**
A practical guide to adding switches, routers, and wireless controllers to ISE for both RADIUS and TACACS+ authentication.
- **Troubleshooting TACACS+ Authentication Issues (20m)**
We'll use ISE logs and debug commands on network devices to solve common TACACS+ communication and authorization problems.
- **Using Shell Profiles and Command Sets Together (15m)**
Learn how shell profiles and command sets interact to provide granular, role-based access for different admin teams.
- **Auditing and Reporting on Admin Activity (11m)**
A look at the TACACS+ accounting reports in ISE to track every command executed by your network administrators.
- **Real-World Case: Securing a Multi-Vendor Environment (31m)**
We'll analyze a case study showing how to configure ISE for both Cisco and non-Cisco devices using TACACS+.

Profiling, Posture, and Advanced Services

- **How Profiling Services Work: From Discovery to Classification (23m)**
We'll explore the probes and policies used to automatically identify devices on your network as they connect.
- **Creating and Tuning Profiling Policies (19m)**
A hands-on guide to building custom profiling policies to accurately identify your unique or proprietary devices.

- **Endpoint Identity Groups and Posture Assessment (26m)**
Learn how to use endpoint identity groups and posture policies to enforce security compliance before granting full network access.
- **Configuring Posture Policies and CoA (28m)**
We'll set up posture policies for various OS types and demonstrate how Change of Authorization (CoA) re-evaluates access.
- **Implementing MAC Authentication Bypass (MAB) (16m)**
A step-by-step guide to configuring MAB for devices that cannot perform 802.1X, like printers and IP cameras.
- **Using Downloadable ACLs and Dynamic Authorization (22m)**
We'll show you how to push ACLs dynamically to network devices based on ISE policies, without manual switch configuration.
- **Advanced Threat Containment with Security Groups (30m)**
An introduction to Security Group Tagging (SGT) and how ISE can work with TrustSec to enforce policy at scale.
- **Troubleshooting Profiling and Posture Failures (18m)**
A problem-solving session focused on common issues with device classification and posture assessment results.

Deployment, Integration, and Exam Strategy

- **High Availability and Failover Strategies (21m)**
Learn about setting up primary and secondary nodes, auto-failover, and how to plan for a resilient ISE deployment.
- **Integrating ISE with Cisco DNA Center and Firepower (25m)**
We'll explore how ISE shares context with other Cisco security platforms to create a cohesive security ecosystem.
- **Leveraging pxGrid for Ecosystem Sharing (19m)**
A practical look at publisher and subscriber services using pxGrid to share context with third-party and Cisco solutions.
- **Generating and Understanding ISE Reports (14m)**
We'll cover the most useful pre-built reports for auditing, troubleshooting, and demonstrating compliance to management.
- **API Basics for Automating ISE Tasks (23m)**
An introduction to the ISE ERS APIs. We'll show you how to use them for basic tasks like creating or updating endpoints.
- **Using the ISE CLI for Advanced Diagnostics (20m)**
Beyond the GUI. We'll cover essential CLI commands for checking services, tracing authentication, and viewing debug output.
- **Real-World Migration: From Legacy ACS to ISE (33m)**
A case study on planning and executing a migration from Cisco ACS to ISE, including policy translation and cut-over.

- **Final Exam Review: Key Topics and Acronyms (16m)**

A quick review of the most critical exam topics and common acronyms to ensure you're ready for test day.

- **Practice Exam Strategy and Question Walkthrough (24m)**

We'll discuss how to approach exam questions and walk through a few sample scenarios to test your knowledge.

- **Lab Challenge: Build a Full Policy Set from Scratch (38m)**

A capstone challenge where you'll be given a set of requirements and must build a complete authentication and authorization policy.

- **Next Steps: Maintaining Your ISE Knowledge (8m)**

Tips on where to find new information, join communities, and keep your skills sharp after you've passed the exam.

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