

Implementing and Configuring Cisco Identity Services Engine (SISE)

Description

The Implementing and Configuring Cisco Identity Services Engine (SISE) v3.0 course shows you how to deploy and use Cisco® Identity Services Engine (ISE) v2.4, 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 use Cisco ISE, including policy enforcement, profiling services, web authentication and guest access services, BYOD, endpoint compliance services, and TACACS+ device administration. Through expert instruction and hands-on practice, 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.

Course Content

Introducing Cisco ISE Architecture and Deployment

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

Cisco ISE Policy Enforcement

- Using 802.1X for Wired and Wireless Access
- Using MAC Authentication Bypass for Wired and Wireless Access
- Introducing Identity Management
- Configuring Certificate Services
- Introducing Cisco ISE Policy
- Implementing Third-Party Network Access Device Support
- Introducing Cisco TrustSec
- Cisco TrustSec Configuration
- Easy Connect

Web Authentication and Guest Services

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

Cisco ISE Profiler

- Introducing Cisco ISE Profiler
- Profiling Deployment and Best Practices

Cisco ISE BYOD

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

Cisco ISE Endpoint Compliance Services

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

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

Lab / Exercises

- Access the SISE Lab and Install ISE 2.4
- Configure Initial Cisco ISE Setup, GUI Familiarization, and System Certificate Usage
- Integrate Cisco ISE with Active Directory
- Configure Basic Policy on Cisco ISE
- Configure Policy Sets
- Configure Access Policy for Easy Connect
- Configure Guest Access
- Configure Guest Access Operations
- Create Guest Reports
- Configure Profiling
- Customize the Cisco ISE Profiling Configuration
- Create Cisco ISE Profiling Reports
- Configure BYOD
- Blacklisting a Device
- Configure Cisco ISE Compliance Services
- Configure Client Provisioning
- Configure Posture Policies
- Test and Monitor Compliance-Based Access
- Test Compliance Policy
- Configure Cisco ISE for Basic Device Administration
- Configure TACACS+ Command Authorization

Documentation

- Digital courseware included

Exam

- This course prepares you to the 300-715 SISE Implementing and Configuring Cisco Identity Services Engine exam. If you wish to take this exam, please contact our secretariat who will let you know the cost of the exam and will take care of all the necessary administrative procedures for you.

Participant profiles

- Network security engineers
- ISE administrators
- Wireless network security engineers

Prerequisites

- 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

Objectives

- Describe Cisco ISE deployments
- Configure components related to 802.1X and MAC Authentication Bypass (MAB) authentication, identity management, and certificate services
- Configure web authentication, processes, operation, and guest services
- Configure Cisco ISE profiling services
- Describe endpoint compliance, compliance components, posture agents, posture deployment and licensing, and the posture service in Cisco ISE
- Configure TACACS+ device administration using Cisco ISE

Niveau

Intermédiaire

Virtual Classroom Registration Price (CHF)

4350

Duration (in Days)

5

Reference

CIS-SISE