
IMPLEMENTING & CONFIGURING CISCO IDENTITY SERVICE ENGINE (SISE)

Temario

This course discusses the Cisco Identity Services Engine (ISE) version 1.1.1, a next-generation identity and access control policy platform that provides a single policy plane across the entire organization combining multiple services, including authentication, authorization, and accounting (AAA), posture, profiling, device on-boarding, and guest management, into a single context-aware identity-based platform. The training provides learners with the knowledge and skills required to enforce security posture compliance for wired and wireless endpoints and enhance infrastructure security using the Cisco ISE.

Prerequisites

Attendees should meet the following prerequisites:

- Basic knowledge of Cisco IOS networking and concepts
- Foundation-level wireless knowledge and skills. **IUWNE** recommended.
- Foundation-level network knowledge and skills necessary to install, configure, operate, and troubleshoot network devices and applications
- CCNA Security certification **ICND1** and **ICND2** plus **IINS**

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Individuals involved in the deployment and maintenance of the Cisco ISE platform.

Objetivos del curso

After you complete this course you will be able to:

- Describe Cisco ISE architecture, installation, and distributed deployment options
- Configure Network Access Devices (NADs), policy components, and basic authentication and authorization policies in Cisco ISE
- Implement Cisco ISE web authentication and guest services
- Deploy Cisco ISE profiling, posture and client provisioning services
- Describe administration, monitoring, troubleshooting, and TrustSec SGA security

Contenido

Cisco ISE Product Overview

- Introducing the Cisco ISE
- Getting Started with Cisco ISE

Cisco ISE Authentication and Authorization

- Configuring Basic Access
- Understanding External Authentication
- Using Cisco ISE Dictionaries
- Configuring Authorization

Web Authentication and User Access Management

- Implementing Web Authentication
- Implementing Guest Services

Cisco ISE Profiler, Posture, and Endpoint Protection Services

- Implementing Cisco ISE Profiler Service
- Implementing Cisco ISE Posture Service
- Implementing Cisco ISE Endpoint Protection Services
- Implementing BYOD

Reports, Monitoring, Troubleshooting, and Security

- Implementing Inline Posture and TrustSec Security
- Describing the Cisco ISE Architecture
- Performing Cisco ISE Administration and Maintenance
- Using Cisco ISE Reporting, Monitoring, and Troubleshooting

Labs

- Lab 1-1: Installing the Cisco ISE
- Lab 1-2: Certificate Operations
- Lab 1-3: Cisco ISE Node Deployment

- Lab 1-4: GUI Orientation (Optional)
- Lab 2-1: Configure and Add Network Access Devices to Cisco ISE
- Lab 2-2: Configure External Identity Sources
- Lab 2-3: Examine Cisco ISE Dictionaries
- Lab 2-4: Basic Cisco ISE Policies
- Lab 2-5: Configuring Multiple Cisco ISE Policies
- Lab 3-1: Configuring Cisco ISE Guest Services
- Lab 3-2: Guest Services Self-Registration
- Lab 4-1: Configuring Cisco ISE for Profiling
- Lab 4-2: Configuring Cisco ISE for Posture Assessment
- Lab 4-3: Endpoint Protections Services
- Lab 4-4: BYOD
- Lab 5-1: Logging Setup