Configuring Cisco ISE Essentials for SD-Access (ISESDA) v1.0

What you'll learn in this course

The **Configuring Cisco ISE Essentials for SD-Access** (ISESDA) v1.0 course shows you how to deploy the Cisco® Identity Services Engine (ISE) to support the Software-Defined Access (SD-Access) solution within your enterprise networks. You will gain an understanding of how Cisco ISE is utlitized by the SD-Access solution to provide security policies across the organization. You will learn Cisco ISE fundamentals and get hands-on practice configuring ISE, policies, AAA client configuration, VPN access, integration, wireless guest access, and more.

Course duration

- Instructor-led training: 2 days in the classroom with hands-on lab practice
- Virtual instructor-led training: 2 days of web-based classes with hands-on lab practice
- E-learning: Equivalent of 4 hours of video-based instruction and challenges

How you'll benefit

This course will help you:

- Gain hands-on knowledge and skills to deploy Cisco ISE with Cisco SD-Access
- Gain leading-edge skills for high-demand job roles and responsibilities focused on enterprise security

Who should enroll

- System engineers
- Network engineers
- Technical architects
- Technical support engineers
- Cisco integrators and partners

How to enroll

- For instructor-led training, visit the Cisco Learning Locator.
- For private group training, visit Cisco Private Group Training.
- For digital library access, visit Cisco Platinum Learning Library.
- For e-learning volume discounts, contact ask_cpll@cisco.com.

Technology areas

- Security

Course details

Objectives

Upon completion of this course, you should be able to:

- Describe Cisco ISE policies and authentication and authorization process
- Understand different AAA protocols
- Understand how Cisco ISE fits into Cisco DNA Center architecture
- Provide configuration examples of Cisco ISE and TrustSec solutions
- Describe Cisco ISE integration with Cisco DNA Center and policy enforcement using Security Groups
- Provide configuration examples for wired, wireless, and VPN network access
- Understand how inline tagging and SGT Exchange Protocol (SXP) works

Prerequisites

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

- Understanding of network routing and switching principles equivalent to the Cisco CCNA® certification level

Outline

- Cisco ISE Overview
  - Examining the Cisco Identity Services Engine
  - Examining AAA protocols
  - Examining Authentication
  - Integrating ISE with Active Directory
  - Examining Authorization
  - Exploring AAA Client Configuration
- Cisco ISE Guest Access
  - Examining Guest Portal Types
  - Examining Guest User Types
  - Configuring Cisco ISE AAA Policy
- Cisco ISE and SD-Access
  - Exploring Cisco SD-Access
  - Examining Cisco ISE for SD-Access
  - Examining SXP

Lab outline

These are available in the instructor-led training:

- Introduction to ISE and Active Directory (AD) Integration

- Configuring ISE AAA Policies

- Configuring AAA Clients and Verifying AAA Operations

- Configuring Wireless Guest Access (Optional)

- Configuring VPN Access

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