

# CISC-22 - SISE - IMPLEMENTING AND CONFIGURING CISCO IDENTITY SERVICES ENGINE

Categoria: **Cisco**

## INFORMAZIONI SUL CORSO



Durata:  
**5 Giorni**



Categoria:  
**Cisco**



Qualifica Istruttore:  
**Cisco Certified  
Instructor**



Dedicato a:  
**Professionista IT**



Produttore:  
**Cisco**

## OBIETTIVI

After completing this course you should be able to:

- 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

## PREREQUISITI

Attendees should meet the following prerequisites:

- Familiarity with the Cisco IOS® Software Command-Line Interface (CLI) for wired and wireless devices
- Familiarity with Cisco AnyConnect® Secure Mobility Client
- Familiarity with Microsoft Windows operating systems
- Familiarity with 802.1x

Recommended prerequisites:

- CCNA - Implementing and Administering Cisco Solutions
- SCOR - Implementing and Operating Cisco Security Core Technologies

## CONTENUTI

### Introducing Cisco ISE Architecture

- Introduction

- Cisco ISE as a Network Access Policy Engine
- Cisco ISE Use Cases
- Cisco ISE Functions
- Summary
- Summary Challenge

### **Introducing Cisco ISE Deployment**

- Introduction
- Cisco ISE Deployment Models
- Cisco ISE Licensing and Network Requirements
- Cisco ISE Context Visibility Features
- New Features in Cisco ISE 3.X
- Configure Initial Cisco ISE Setup and System Certificate Usage
- Summary
- Summary Challenge

### **Introducing Cisco ISE Policy Enforcement Components**

- Introduction
- 802.1X for Wired and Wireless Access
- MAC Authentication Bypass for Wired and Wireless Access
- Identity Management
- Active Directory Identity Source
- Additional Identity Sources
- Certificate Services
- Integrate Cisco ISE with Active Directory
- Summary
- Summary Challenge

### **Introducing Cisco ISE Policy Configuration**

- Introduction
- Cisco ISE Policy
- Cisco ISE Authentication Rules
- Cisco ISE Authorization Rules
- Configure Cisco ISE Policy for MAB
- Configure Cisco ISE Policy for 802.1X
- Summary
- Summary Challenge

### **Troubleshooting Cisco ISE Policy and Third-Party NAD Support**

- Introduction
- Cisco ISE Third-Party Network Access Device Support
- Troubleshooting Cisco ISE Policy Configuration
- Summary
- Summary Challenge

### **Introducing Web Authentication and Guest Services**

- Introduction
- Web Access with Cisco ISE
- Guest Access Components

- Guest Access Settings
- Configure Guest Access
- Summary
- Summary Challenge

### **Configuring Hotspots and Guest Portals**

- Introduction
- Sponsor and Guest Portals Configuration
- Configure Hotspot and Self-Registered Guest Access
- Configure Sponsor-Approved and Fully Sponsored Guest Access
- Create Guest Reports
- Summary
- Summary Challenge

### **Introducing the Cisco ISE Profiler**

- Introduction
- ISE Profiler Overview
- Cisco ISE Probes
- Profiling Policy
- Configure Profiling
- Customize the Cisco ISE Profiling Configuration
- Summary
- Summary Challenge

### **Introducing Profiling Best Practices and Reporting**

- Introduction
- Profiling Best Practices
- Create Cisco ISE Profiling Reports
- Summary
- Summary Challenge

### **Configuring Cisco ISE BYOD**

- Introduction
- Cisco ISE BYOD Solution Overview
- Cisco ISE BYOD Flow
- My Devices Portal Configuration
- Certificate Configuration in BYOD Scenarios
- Configure BYOD
- Manage a Lost or Stolen BYOD Device
- Summary
- Summary Challenge

### **Introducing Cisco ISE Endpoint Compliance Services**

- Introduction
- Endpoint Compliance Services Overview
- Configure Cisco ISE Compliance Services
- Summary
- Summary Challenge

## **Configuring Client Posture Services and Compliance**

- Introduction
- Client Posture Services and Provisioning Configuration
- Configure Client Provisioning
- Configure Posture Policies
- Test and Monitor Compliance-Based Access
- Summary
- Summary Challenge

## **Working With Network Access Devices**

- Introduction
- Reviewing AAA
- Cisco ISE TACACS+ Device Administration
- Configuring TACACS+ Device Administration
- TACACS+ Device Administration Guidelines and Best Practices
- Migration from Cisco ACS to Cisco ISE
- Configure Cisco ISE for Basic Device Administration
- Configure Cisco ISE Command Authorization
- Summary
- Summary Challenge

## **Exploring Cisco TrustSec**

- Introduction
- Cisco TrustSec Overview
- Cisco TrustSec Enhancements
- Cisco TrustSec Configuration
- Configure Cisco TrustSec
- Summary
- Summary Challenge

## **Labs:**

- Lab 1A: Installation and Basic Setup of Cisco ISE
- Lab 1B: Verify Initial Cisco ISE Setup and System Certificate Usage
- Lab 2: Integrate Cisco ISE with Active Directory
- Lab 3: Configure Cisco ISE Policy for MAB
- Lab 4: Configure Cisco ISE Policy for 802.1X
- Lab 5: Configure Guest Access
- Lab 6: Configure Hotspot and Self-Registered Guest Access
- Lab 7: Configure Sponsor-Approved and Fully Sponsored Guest Access
- Lab 8: Create Guest Reports
- Lab 9: Configure Profiling
- Lab 10: Customize the Cisco ISE Profiling Configuration
- Lab 11: Create Cisco ISE Profiling Reports
- Lab 12: Configure BYOD
- Lab 13: Manage a Lost or Stolen BYOD Device
- Lab 14: Configure Cisco ISE Compliance Services
- Lab 15: Configure Client Provisioning
- Lab 16: Configure Posture Policies

- Lab 17: Test and Monitor Compliance-Based Access
- Lab 18: Configure Cisco ISE for Basic Device Administration
- Lab 19: Configure Cisco ISE Command Authorization
- Lab 20: Configure Cisco TrustSec

## INFO

**Esame:** 300-715 - Implementing and Configuring Cisco Identity Services Engine

**Materiale didattico:** Materiale didattico ufficiale Cisco in formato digitale

**Costo materiale didattico:** incluso nel prezzo del corso a Calendario

**Natura del corso:** Operativo (previsti lab su PC)