

CISC-22 - SISE - IMPLEMENTING AND CONFIGURING CISCO IDENTITY SERVICES ENGINE V3.0

Categoria: Cisco

INFORMAZIONI SUL CORSO



Durata:
5 Giorni



Categoria:
Cisco



Qualifica Istruttore:
Cisco Certified
Instructor



Dedicato a:
Professionista IT



Produttore:
Cisco

OBIETTIVI

After taking this course, you should be able to:

- Describe Cisco ISE deployments, including core deployment components and how they interact to create a cohesive security architecture. Describe the advantages of such a deployment and how each Cisco ISE capability contributes to these advantages.
- Describe concepts and configure components related to 802.1X and MAC Authentication Bypass (MAB) authentication, identity management, and certificate services.
- Describe how Cisco ISE policy sets are used to implement authentication and authorization, and how to leverage this capability to meet the needs of your organization.
- Describe third-party Network Access Devices (NADs), Cisco TrustSec®, and Easy Connect.
- Describe and configure web authentication, processes, operation, and guest services, including guest access components and various guest access scenarios.
- Describe and configure Cisco ISE profiling services, and understand how to monitor these services to enhance your situational awareness about network-connected endpoints. Describe best practices for deploying this profiler service in your specific environment.
- Describe BYOD challenges, solutions, processes, and portals. Configure a BYOD solution, and describe the relationship between BYOD processes and their related configuration components. Describe and configure various certificates related to a BYOD solution.
- Describe the value of the My Devices portal and how to configure this portal.
- Describe endpoint compliance, compliance components, posture agents, posture deployment and licensing, and the posture service in Cisco ISE.
- Describe and configure TACACS+ device administration using Cisco ISE, including command sets, profiles, and policy sets. Understand the role of TACACS+ within the Authentication, Authorization, and Accounting (AAA) framework and the differences between the RADIUS and TACACS+ protocols.
- Migrate TACACS+ functionality from Cisco Secure Access Control System (ACS) to Cisco ISE, using a migration tool.

PREREQUISITI

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

- 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

CONTENUTI

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 outline

- 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

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)