CISC-22 - SISE - IMPLEMENTING AND CONFIGURING CISCO IDENTITY SERVICES ENGINE BOOTCAMP V4.0

Categoria: **Cisco**

INFORMAZIONI SUL CORSO

Durata:	Categoria:	Qualifica Istruttore:	Dedicato a:	Produttore:
5 Giorni	Cisco	Cisco Certified Instructor	Professionista IT	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)