

Cisco Identity Services Engine Essentials

Cursusduur: 3 Dagen Cursuscode: ISE-ESS Version: 2.3

Beschrijving:

In this two-day course, you will learn to deploy and manage Cisco ISE from the ground up, covering architecture, identity sources, authentication and authorization policies, endpoint profiling, and TACACS+ device administration, all reinforced with hands-on labs.

This course provides a focused, hands-on introduction to Cisco ISE, equipping you with the practical skills to deploy and manage secure network access. You will explore ISE architecture and design considerations, configure identity sources, and build authentication and authorization policies for wired and wireless users and devices. The course covers certificate-based authentication, identity source selection logic, and Active Directory integration, then moves into endpoint profiling, where you will configure probes, profile policies, and authorization rules to improve network visibility. You will also implement TACACS+ for centralized device administration, including command authorization for granular access control.

Doelgroep:

This class is intended for the following participants: Network security engineers ISE administrators Wireless network security engineers Cisco integrators and partners Consulting systems engineers Technical solutions architects Integrators who install and implement the Cisco ISE End users (Cisco customers) desiring the knowledge to install, configure, and deploy Cisco ISE

Doelstelling:

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| ■ After completing this course, you will be able to: | ■ Build and manage authentication and authorization policy sets |
| ■ Understand Cisco ISE architecture, deployment models, and licensing | ■ Deploy endpoint profiling with probes and profile-based authorization |
| ■ Configure identity sources, including Active Directory and certificate-based authentication | ■ Centralize device administration and enforce command authorization with TACACS+ |
| ■ Apply identity source selection and fallback logic | |

Vereiste kennis en vaardigheden:

The following skills are recommended:

- Having a CCNA or equivalent knowledge and skills
- Foundation-level wireless knowledge and skills
- Familiarity with Microsoft Windows and Microsoft Active Directory
- Familiarity with 802.1X

Examens en certificering

- None

Vervolg cursussen:

- SISE - Implementing and Configuring Cisco Identity Services Engine
- SDAISE - Software Defined Access and ISE Integration for Policy Deployment and Enforcement

Cursusinhoud:

Course Outlines

- Cisco ISE Evolution, Foundation and Role
- Architecture and Design
- Cisco ISE Installation and Initial Config
- Identity Sources and Authentication Types
- Identity Selection and Resolution Logic
- Active Directory and LDAP Integration
- Cisco ISE Policy Framework
- Authentication Policies
- Authorization Policies
- Profiling Architecture and Capabilities
- Probes and Data Collection
- Profile Policies and Authorization
- Profile Monitoring and Design
- AAA and TACACS+
- TACACS+ Device Administration
- TACACS+ Command Authorization

Labs Outlines

Lab 1: Explore the Initial Cisco ISE Configuration, GUI and System Certificate

Lab 2: Integrate Cisco ISE with Active Directory

Lab 3: Configure MAB

Lab 4: Configure Wired 802.1X

Lab 5: Configure Wireless 802.1X and Optional Wired EAP-TLS and TEAP

Lab 6: Configure Profiling

Lab 7: Configure Authorization Policy Rules and Run Profiler Reports

Lab 8: Configure TACACS+ Basic Device Administration

Lab 9: Configure TACACS+ Command Authorization

Extra informatie:

"Official course book provided to participants."

Nadere informatie:

Neem voor nadere informatie of boekingen contact op met onze Customer Service Desk 030 - 60 89 444

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