

SISE

Implementing and Configuring Cisco Identity Services Engine

Description:

This course discusses the Cisco Identity Services Engine (ISE), an identity and access control policy platform that provides a single policy plane across the entire organization, combining multiple services, including authentication, authorization, and accounting (AAA), posture, profiling, device on-boarding, and guest management, into a single context-aware identity-based platform. The training provides learners with the knowledge and skills to enforce security posture compliance for wired and wireless endpoints and enhance infrastructure security using the Cisco ISE.

Students will be able to:

- Describe Cisco ISE architecture, installation, and distributed deployment options
- Configure Network Access Devices (NADs), policy components, and basic authentication and authorization policies in Cisco ISE - Implement Cisco ISE web authentication and guest services
- Deploy Cisco ISE profiling, posture and client provisioning services
- Describe administration, monitoring, troubleshooting, and TrustSec SGA security
- Configure device administration using TACACS+ in Cisco ISE

Course requirements:

- CCNA Security certification
- Foundation-level network knowledge and skills necessary to install, configure, operate, and troubleshoot network devices and applications
- Foundation-level wireless knowledge and skills
- Basic knowledge of Cisco IOS networking and concepts

This course is intended for:

- ISE Administrators/Engineers
- Wireless Administrators/Engineers
- Consulting Systems Engineers
- Technical/Wireless/BYOD/Security Solutions Architects
- ATP partner systems and field engineers

Literature:

All participants will get original Cisco student and lab guides.

Hardware:

Labs are practised on Cisco devices. Classrooms are equipped with high-performance computers with Internet access and the possibility of wireless connection.

Syllabus:

Module 1: Course Introduction

Module 2: Cisco ISE Policy Enforcement

Module 3: Web Auth & Guest Services

Module 4: Cisco ISE Profiler

Module 5: Cisco ISE BYOD

Module 6: Cisco ISE Endpoint Compliance Services

Module 7: Cisco ISE with AMP and VPN-Based Services

Module 8: Cisco ISE Integrated Solutions with APIs

Module 9: Working with Network Access Devices

Module 10: Cisco ISE Design (Self-Study)

Module 11: Configuring Third Party NAD Support (optional/Self-Study/Reference)

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