SISE

Implementing and Configuring Cisco Identity Services Engine

Description:

<p>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.</p>

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:

<p>All participants will get original Cisco student and lab guides.</p>

Hardware:

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

Syllabus:

<p>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)</p>