

SISE- Implementing and Configuring Cisco Identity Services Engine

Exam Code: 500-254

Learn to implement, configure, manage and troubleshoot Cisco ISE.

In this course, you will learn to setup, configure, implement, manage and troubleshoot Cisco ISE services for Authorization and authentication before user is allowed to connect to the network. Topics covered include 802.1x, MAB, Web Authentication, Profiling, Posture service, guest service for wired or wireless client. Understanding AAA protocols, configuration on NAD, Load balancing, distributed and centralized topological designs and documentation.

Did You Know?

This same training is available in our ONLINE-TRAINING- live online training that builds up foundational knowledge of all the required technologies, expert instructors to ensure superior training, regardless of your location.

What you will learn

- Introduction to Trustsec, SGA, SGACLs, SGT, SGT propagation, SXP
- Secure access across entire network, different ways customers use ISE, Contextual profiling.
- Cisco ISE product offerings – different models, Licensing.
- ISE Architectures- Persona deployment, standalone or distributed, design example.
- Cisco ISE threat defense Integration and remediation
- Guest Access, ISE 1.2 Guest Portal builder
- ISE Authorization Policy, TrustSec Authorization and enforcement.
- ISE 1.2 node communications, Admin node HA deployment and Synchronization.
- Policy Service node- PSN scaling and redundancy design, PSN load balancing, Load balanced PSN cluster, Load balancing RADIUS,
- NAD- based RADIUS Server Redundancy For IOS and WLC.
- Inaccessible Authentication Bypass (IAB), critical AuthZ for data/voice VLAN.
- Installation and deployment best practices.

- Implementing 802.1X for wired/Wireless clients with dynamic VLAN assignment and DACLs.
- Implementing MAB for endpoints with dynamic VLAN assignment and DACLs.
- Implementing Local/Central Web authentication for wired/wireless clients.
- Implementing Profiling, Posture validation, guest service
- Deploying VPN based service using the Cisco ASA and IPN.
- Integrating Cisco ISE with External Identity Stores.
- Monitoring Live authentication logs, session details,
- Diagnostic tools

Intended Audience

CCNA Security Certified Engineers (Required)

CCNP Security Certified Engineers

Prerequisites

CCNA Security

CCNA Wireless

Duration

5 days bootcamp

Lab:

Lab 1: Installing the Cisco ISE

Lab 2: Cisco ISE Node Deployment

Lab3: Configure and Add Network Access Devices to Cisco ISE

Lab4: Configure External Identity Sources

Lab5: Basic Cisco ISE Policies

Lab6: Configuring Wired/Wireless dot1x with DVLAN assignment and DACL.

Lab7: Configuring MAB for endpoints.

Lab8: Configuring Cisco ISE Guest Services

Lab9: Guest Services Self-Registration

Lab10: Configuring Cisco ISE for Profiling

Lab11: Configuring Cisco ISE for Posture Assessment

Lab12: Endpoint Protections Services

Lab13: Configure Cisco ISE for Single SSID Wireless BYOD configuration

Lab14: Logging Setup

Lab15: Cisco ISE Reporting

Lab16: Working with Cisco ISE Monitoring and Troubleshooting

Lab17: Diagnostic tools