



Cisco Security Services for Identity Services Engine (ISE)

Protecting an ever changing network

The boundary of your network is no longer fixed and well-defined. Users link up their own devices, your company is increasing its geographic reach, and some of your operations have moved to various clouds. The Internet of Things (IoT) links still more devices to your network. Adversaries have become more sophisticated, and it can take months or years before threats are found. Customer privacy, valuable assets, and your organization's reputation are at risk.

Cisco recognizes these fundamental changes and helps you respond with the Cisco® Identity Services Engine (ISE). ISE is a security policy management and control platform. Essentially, it tells you who and what is connecting to your wired and wireless network, and lets you control what users may do and where they may go.

Cisco ISE allows you to gather real-time, contextual information from networks, users, and devices and then make governance decisions based on that information. It enforces policy across the extended network infrastructure and provides role-based access to data and systems. Cisco ISE helps enforce compliance with corporate access policies and enhances the security of your infrastructure. It also helps ensure compliance with IEEE 802.1X, which spells out authentication protocols for wired and especially wireless networks.

Benefits

- Plan how to gain control of user access onto your network
- Gain full network visibility and knowledge of what is on your network and whether it should be on your network
- Reduce risk and delays when deploying an ISE solution
- Optimize your solution after network implementation for further expansion and performance stability
- Decrease deployment time by applying leading practice tools and processes

Case Study

Home Improvement Retailer

Challenges

- Limited control over user access onto the network
- Lack of in-house talent for ISE upgrade deployment
- Shortage of personnel for ISE management

Solution

- Audit of devices and security policy configuration
- ISE implementation and knowledge transfer
- 24/7 threat monitoring via Remote Managed Services

Outcome

- **Increased Visibility** into the network through a snapshot view of devices accessing the network
- **Reduced Risk** when deploying an ISE upgrade by applying leading practice tools and processes
- **Saved Time** due to outsourcing of complex operational security and centralizing incident management

Implementation tailored to your company

Given that effective security can involve all of those activities, it may sound complicated. In addition, many companies do not have the in-house resources to make the most effective use of ISE, so Cisco offers Security Advise and Implement services for ISE, which can help ensure that your security infrastructure supports your company's unique, specific needs. In addition, the services can reduce project delays and costly rework.

The Advise and Implement Service for ISE, offered by Cisco and our certified partners, can include:

- **Customer Requirements Document:** Cisco identifies gaps in your existing and planned infrastructure that may prevent ISE from performing optimally and provide you recommendations for correcting the gaps.
- **Design Development Service:** Cisco designs the best combination of ISE capabilities and features to achieve your objectives. This detailed design defines the architecture from endpoint to policy servers, including traffic flow, workstations, and guest services.
- **ISE Design and Proof of Concept Service:** Provides high-level and low-level design development that meets the technology requirements and design goals of your Cisco 802.1X deployment.
- **ISE Implementation Plan:** Our engineers create an implementation plan that details the steps to be taken and a schedule of activities.
- **Implementation Engineering Support:** We help you build your security infrastructure, using validated testing, the detailed design, and the implementation plan.
- **Training and Knowledge Transfer:** Training and knowledge transfer prepares your staff to effectively operate, maintain, manage, and tune your Cisco ISE security solution.
- **Business Critical Services for Security:** We support you in realizing a variety of goals such as change management strategy, assessing the readiness of new areas of your network, and architecture assessments.

Next Steps

For more information about this and other Cisco Security Services, contact your local account representative or visit www.cisco.com/go/services/security