

# Cisco Security Services for Identity Services Engine

## 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. Some operations have moved to various clouds. The Internet of Things (IoT) links still more devices to your network. Adversaries are more sophisticated, and it can take months or even years before threats are found. Customer privacy, valuable assets, and your organization's reputation are at risk.

We recognize these fundamental changes. Cisco® Identity Services Engine (ISE) helps you respond. ISE is a security policy management and control platform. It tells you who and what are connecting to your wired and wireless networks and lets you control what users may do and where they can go.

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

## Benefits

- Plan how to gain control of users' access to your network
- Gain full network visibility and knowledge of what is on your network and whether it should be there
- 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 to 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 using Remote Managed Services

#### Outcomes

- 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 by outsourcing complex operational security and centralizing incident management

## Implementation customized to your company

Effective security can involve many activities, and it is complicated. In addition, some companies do not have the in-house resources to make the most effective use of ISE. Cisco Security Advise and Implement Services for ISE can help ensure your security infrastructure supports your company's unique, specific needs. In addition, the service can reduce project delays and costly rework.

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

- **ISE Advisory Service:** Depending on where you are in your ISE journey, our ISE Advisory service will help you in - (a) Aligning ISE to your environment; (b) Designing & Implementing your secure foundation; (c) Managing or Optimizing your ISE solution
- **Customer Requirements Development:** Cisco identifies gaps in your existing and planned infrastructure that might prevent ISE from performing optimally. Then we provide you with recommendations for correcting the gaps.
- **Design Development:** 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:** Provides high-level and low-level architecture design development to meet 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 low-level design, and the implementation plan.
- **Training and Knowledge Transfer:** Training and knowledge transfer prepare your staff to effectively operate, maintain, manage, and tune your Cisco ISE security solution.
- **Business Critical Services for Security:** These optimization services support you in realizing a variety of goals such as developing a change management strategy, assessing the readiness of new areas of your network, and performing 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](https://www.cisco.com/go/services/security).