



## Business and Technology 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

“Cisco Professional Services was invaluable. They reduced our learning time and made sure we had everything we needed for testing and production.”

---

**Bill Fosket**  
Network Engineer, Savant

# Cisco Advise and Implement Service 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. And because it combines authentication, authorization, and accounting (AAA), profiling, and other features in one appliance, it also simplifies security management.

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. And since it automates and simplifies policy enforcement, it simplifies operations.

## Implementation Tailored to Your Company

Given that effective security can involve all of those activities, it may sound complicated. And it can be. In addition, many companies don’t have the in-house resources to make the most effective use of ISE, so Cisco offers a Plan and Build Service for ISE, which can help ensure that your security infrastructure supports your company’s unique, specific needs. These services can also help ensure that you don’t get surprises and that users don’t get access for which they’re not authorized. In addition, the services can reduce project delays and costly rework.

## Case Study

### Sentara

- Healthcare, a leader in heart, kidney, and stroke care
- Norfolk, Virginia, USA
- 30,000 employees, 2,345 beds, 100 facilities including 10 hospitals

### Challenge

- Safeguard confidential patient data
- Authenticate and authorize all legitimate devices and users for network access
- Assign appropriate security policies for patient data and clinical devices

### Solution

- Cisco Professional Services
- Cisco Identity Services Engine

### Results

- Smooth implementation of hospital-wide security policies
- Compliance with security mandates
- Knowledge transfer to in-house staff

“ISE has proved rock solid. We have control over who and what enters our network, enabling us to meet our security and compliance needs.”

---

### Chad Spiers

Director, Voice and Data Infrastructure Services,  
Sentara Healthcare

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

- **Technology Readiness Assessment:** We determine the readiness of your network for a Cisco 802.1X solution.
- **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. We also provide lab-based proof-of-concept testing and remote design support.
- **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. We provide a technology readiness assessment prior to design development, lab-based proof-of-concept testing, and remote design support to validate that the solution will successfully meet your needs.
- **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.
- **Cisco Security Optimization Service:** 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.
- **Network Optimization Service (NOS):** For customers with a current NOS contract, Cisco provides limited 802.1X support for incremental changes or design support for your existing solution.

## 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](http://www.cisco.com/go/services/security).