

Cisco TrustSec Services



SUCCESSFULLY DEPLOY INFRASTRUCTURE INTEGRATED MODE (802.1X WITH ISE) OR OVERLAY MODE (NAC) SOLUTIONS

Protect Network Access and Assets

Cisco TrustSec® is a component of the Cisco SecureX Architecture™, a next-generation security framework that brings together flexible solutions, products, and professional and technical services to address and enforce consistent security policy throughout the distributed network. The Cisco SecureX Architecture blends global threat intelligence and contextual awareness to address evolving security challenges.

The Cisco TrustSec solution delivers network-based context-awareness and access control within the Cisco SecureX Architecture.

Cisco TrustSec Deployment

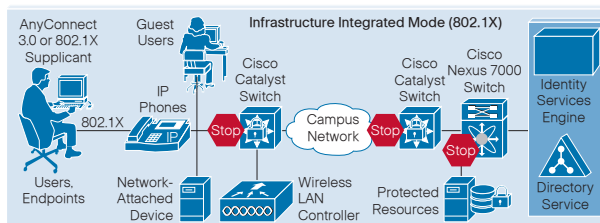
Cisco TrustSec is available in two forms, as an integrated 802.1X infrastructure-based service that extends access enforcement throughout the network or as an appliance-based overlay solution based on the Cisco® Network Admission Control (NAC) appliance.

Cisco Identity Services Engine

One of the components of the Cisco TrustSec 802.1X deployment option is the Cisco Identity Services Engine (ISE), a next-generation identity and access control policy platform that enables organizations to enforce compliance, enhance infrastructure security, and simplify service operations. The ISE's unique architecture allows organizations to gather real-time, contextual information from networks, users, and devices to make proactive governance decisions by enforcing policy across the network infrastructure.

The IEEE 802.1X standard simplifies interoperability and compatibility of authentication methods and, when used in conjunction with the Cisco TrustSec solution, helps you increase control over security access. Figure 1 shows a Cisco TrustSec deployment with ISE.

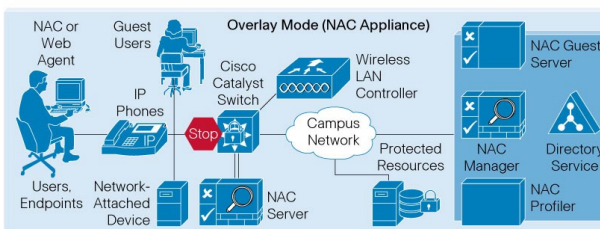
Figure 1. Cisco TrustSec 802.1x with ISE



Cisco Network Admission Control

Organizations can also deploy Cisco TrustSec as an overlay solution, based on the Cisco NAC appliance. The Cisco NAC appliance uses your organization's network infrastructure to enforce security policy compliance on all devices that attempt to gain access to your network. Figure 2 illustrates a Cisco TrustSec deployment using NAC.

Figure 2. Cisco TrustSec with NAC Appliance



Cisco TrustSec Services

The Cisco TrustSec solution includes intelligent, personalized professional services to help you adapt the implementation to meet your unique requirements.

Through a discovery process that begins with understanding your business objectives, we help you integrate a Cisco TrustSec solution into your architecture and incorporate network services onto that platform.

Benefits

Cisco TrustSec Services help you successfully deploy a system that gives you increased control over your assets and information by supporting managed, unmanaged, and unknown assets as well as employees, guests, and contractors and help you:

- Gain visibility across the network by discovering and mapping your network security devices
- Decrease deployment time by applying leading practice tools and processes
- Increase your control over guest access rights by helping you enable the capabilities and features that best meet your requirements
- Improve the day-to-day practicality of your secure access solution by helping you better manage the balance between supporting collaboration while protecting organizational information and assets

For More Information

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



Cisco TrustSec Services use leading practices and expertise to help you to:

- Identify network areas where you need to focus to deploy a Cisco TrustSec solution
- 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, delays, and the total cost of Cisco TrustSec solution deployments
- Optimize your solution after network implementation for further expansion and performance stability

Enable the Cisco TrustSec Solution

Services from Cisco and our certified partners can help you more quickly and cost-effectively deploy a fully integrated authentication and access solution. Service activities include:

- **Technology Readiness Assessment:** Determines the readiness of your current network for a Cisco TrustSec 802.1x solution and compares your existing infrastructure and usage policies against the controls necessary to achieve a successful Cisco TrustSec implementation. Additionally, the assessment determines which network devices can support 802.1x currently and where there are gaps in the network from an 802.1x perspective.
- **Design Development Service:** Based on your requirements, Cisco designs the best combination of Cisco TrustSec capabilities and features to achieve your authentication and access control objectives. Includes a high-level and a detailed design defining the solution 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 TrustSec 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.
- **NAC Design Validation and Testing Service:** Cisco works with you to define the business, technical, and operational requirements for your Cisco TrustSec overlay solution. We develop evaluation criteria and test the NAC deployment in a lab test environment to validate the design.
- **ISE Implementation Plan:** Engineers create an implementation plan that provides the steps to be taken and a schedule of activities. This can be used with the detailed configuration templates to plan a pilot deployment. We can also create 802.1x test case templates and customer-specific test cases to run in a lab test environment to validate your 802.1x design prior to pilot deployment.
- **Implementation Engineering Support:** We support you in the implementation phase with consulting, support, and assistance utilizing the test validation, detailed design, and implementation plan to facilitate a successful Cisco TrustSec 802.1x ISE or overlay mode NAC deployment.
- **Training and Knowledge Transfer:** Training and knowledge transfer prepare your staff to effectively operate, maintain, manage, and tune your Cisco TrustSec security solution.
- **Security Optimization Service (SOS):** This service provides in-depth Cisco TrustSec 802.1x subject matter expert support for a variety of needs that might arise, including change management strategy development, assessing a new area of the network for readiness, architecture assessments, and design reviews.
- **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 Cisco TrustSec solution.