

1
2
3



The bridge to possible

4
5
6

6 Use Cases for Cisco Secure Network Access

As the number of connected devices multiplies and demand for data-intensive applications increases, IT is being challenged to provide a fast, reliable, and secure network for branches and campuses. Only Cisco® Secure Network Access helps IT troubleshoot faster, automate network onboarding and management, integrate security, and provide location analytics for the network.



1

Campus network assurance

IT needs to improve network availability and performance as employees and customers demand a high-quality experience every time they connect to the network.

- Identify and solve network issues faster and even avoid issues, using the real-time analytical capability provided by the network.
- Provide network visibility and assurance across the entirety of the campus infrastructure from a single pane of glass.
- Monitor the network and identify unusual behavior for security or performance mitigation with enterprise-scale artificial intelligence (AI) and machine learning (ML).



in time for issue detection and resolution.¹



in alerts with DNA Assurance AI/ML.¹

2

Network device onboarding

The network needs to move as fast as the business. Automating network deployment and software maintenance allows IT organizations to move faster in designing, configuring, and deploying new services.

- Provide robust automation capabilities for onboarding network devices and maintain consistent software and security versions (LAN and WLAN) throughout the network lifecycle.
- Automate the network with Cisco DNA Center to save time, reduce the potential risks of manual processes, and lower expenses.
- Use a single automation solution for the entire campus infrastructure, both for day-0 deployments and day-1+ changes.
- Design the network before the physical site is up to increase flexibility and agility.



provisioning time.¹



Customer saves 3-4 hours every time deploying a server.²



3

Campus software image management

Network performance and security compliance require up-to-date and consistent network images across the entire network. Cisco DNA Center helps manage the discovery and integration of new software versions and security patches by automatically rolling out software patches and addressing security vulnerabilities with no or little IT staff effort.

- Automate network upgrades, software image management, and infrastructure refreshes with Cisco DNA Center.
- Maintain consistency in software and features throughout the LAN and WLAN infrastructure.
- Decrease the number of security and configuration incidents and platform vulnerabilities.
- Help ensure that the infrastructure is capable of a successful upgrade by verifying hardware compatibility and sufficient memory.



Reduce IT OpEx by up to 80%.³

4

Campus network segmentation

Design a network that can automatically segment users and devices. The result is a network that can automatically recognize things and provision the appropriate policy.

- Provides a single platform that enables enhanced ability to define both macro and micro-segmentation for scalability and flexibility
- A single network fabric the enables a consistent user experience anywhere without compromising security
- Combines robust device profiling with segmentation policy, enabling automatic security segmentation for IoT devices



30 Min

Network segmentation from hours to 30 minutes.⁴



5

Scalable access policy

Security policies should be different depending on the user, device they use or thing. A secure access network can automatically recognize and apply policies through the organization.

- Provides the ability to connect an increasing number of device types
- Create and implement dynamic security capabilities by user, device and application
- These policies can be automatically implemented in conjunction with automation capabilities
- Dramatically reduce security risk associated with network access, both wired and wireless



in cost a hospital in LA.⁵



faster than before with Cisco SD-Access.⁶

6

Location analytics

Eliminate the physical blind spot and understand how people and things interact in physical spaces. Leverage existing Wi-Fi infrastructure to gain actionable insights, deliver contextual engagements, and drive business outcomes.

- Gain centralized control over and visibility into location services via a single role-based dashboard.
- Enhance customer experiences by gaining insights into people (visitors and employees) and delivering relevant experiences at the right time and place.
- Improve the efficiency of business operations and reduce costs through asset management.
- Increase roaming rates and gain actionable insights with OpenRoaming, and open up new opportunities for you and your guests.



user acquisition.⁷



guest satisfaction.⁸

[Read whitepaper](#)

[Watch video](#)

1. Internal Cisco TCO analysis with large enterprise customers.
 2. Tromsø Kommune case study.
 3. The Total Economic Impact™ of Cisco TrustSec Simplified Security Engineering and Reduced Operations Costs Enabled By Cisco, A Forrester Total Economic Impact™ Study
 4. Customer: Waterford Institute of Technology.
 5. Customer: Children's Hospital Los Angeles
 6. Customer: City of Luxembourg
 7. Customer: Norwegian Professional Football League
 8. Customer: InterContinental Hotels Group