Cisco Network Device Security Assessment Service

Strengthen Your Organization's Network Device Security

Changing business models – cloud, mobile, social, and the Internet of Things – introduce new security challenges. The threat landscape becomes more dynamic as adversaries become more sophisticated. There are times when breaches aren't discovered for days, months, or even years, putting customer privacy, valuable assets, and company reputations at risk. The mean time to identify a data breach caused by malicious or criminal attack is 229 days, according to a 2016 research report from the Ponemon Institute.[1]

Especially given these new threats, all network devices must be secure, and they need periodic reassessments. As new devices are added to the network, they must be integrated into your security system. In addition, you must remain current regarding new vulnerabilities and new security features.

The Cisco® Network Device Security Assessment Service helps protect your network against old and new threats by working with you to identify gaps in the safeguards around your Cisco network infrastructure. The assessments are performed by consultants who have extensive security experience in a variety of vertical industries and government agencies. Their expertise is supported by best-in-class tools and methodologies and by access to Cisco product development engineers. Together, these resources help you make the most of the sophisticated security features built into your Cisco products.

Services to Mitigate the Risks

Cisco Security Services can streamline and integrate the components of your network security, with both immediate and ongoing support. Whatever security provisions you've already put in place, we can help you achieve the right program for your organization. Cisco takes a threat-centric approach to security to help you protect your organization as challenges become more and more complex.

When you use the Cisco Network Device Security Assessment, our engineers begin with a detailed review of your Cisco wired and wireless network and firewall devices using a rules-based assessment, including device configurations and access policies. After collecting the information and comparing it to leading security practices, our experts will interpret the findings using extensive Cisco expertise and hands-on experience. Upon identifying gaps in device configurations and policies, our experts will recommend prioritized mitigations that you can act on.

The service covers a broad variety of Cisco platforms, including routers and switches, firewall and VPN devices, intrusion detection devices, and others.

Benefits

- Improved overall security in your infrastructure

- Improved risk management and satisfaction of compliance requirements

- Fewer threats to the integrity and availability of business processes and information

- Proactive identification of device vulnerabilities that pose a security risk

- Help in prioritizing resources to address vulnerabilities based on business risk

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[1]https://securityintelligence.com/media/2016-cost-data-breach-study/

Network Device Security Assessment is available three ways: as part of our custom engagement service, available through the Cisco Network Optimization Service portfolio and as a defined-scope, fixed-price service that can be ordered using the Cisco ordering tool. The defined-scope assessment service offers the same core deliverables and provides remote device security assessments for up to 500 Cisco network security devices and a variety of Cisco platforms.

Cisco Security Services are available globally from Cisco and our partners. Service delivery details can vary by region.

Cisco Security Services: Experienced Professionals

As strategic and technical advisors, the Cisco Security Services team helps leading organizations protect their business and network performance. Backed by a superior combination of resources—vast research and threat intelligence, mature methodologies, and multidisciplinary experts across security, cloud, mobility, collaboration, and data center operations—our customers better manage risk and compliance, develop a strong security posture, control cost, and achieve strategic IT and business objectives.

Next Steps

To learn more about how Cisco Security Services can benefit your business, contact your local account representative or authorized Cisco reseller. For more information on how Cisco can help you protect your organization from today's dynamic threats, visit cisco.com/go/services/security.
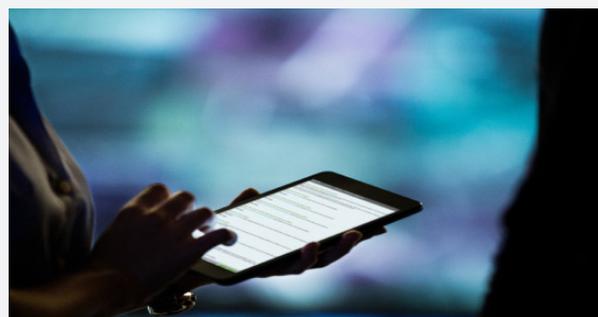
Case Study: Service Provider

Challenges

· Customer network of more than 80,000 network elements had inconsistent security posture configurations.

· Perform Network Device Security Assessment for the large network.

Solutions

· Developed a high level design for a phased implementation within the Customer's network.

· Created customized tool controls and actionable reports for the Customer.

· Streamlined implementation process by creating templates spanning across multiple domains.

· Audited the entire network security controls.

Outcomes

· Network Device Security Assessment provided security policy remediation plan.

· Audited 80,000 configurations multiple times to achieve security policy compliance.

· Reduced network vulnerability