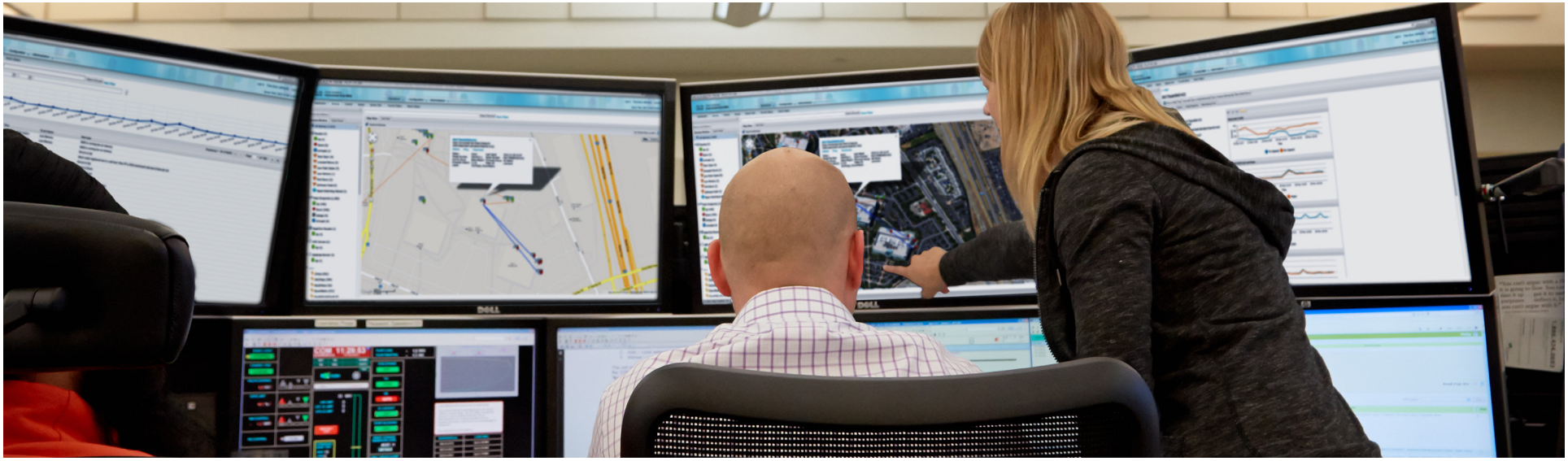
Cisco Managed Threat Defense Service



Overview

Securing your network is essential to protecting your business data, your employees, your customers, and your reputation. But today's threats are becoming increasingly sophisticated; a threat might go undetected for days, months, or even years. To help you keep your organization protected from today's advanced security threats, Cisco has developed a fully managed service delivered by our security experts. Cisco® Managed Threat Defense helps defend against known intrusions, zero-day attacks, and advanced persistent threats. Managed Threat Defense is powered by our global network of security operations centers ensuring constant vigilance and on-demand analysis 24 hours a day, 7 days a week.

We capture full packet-level data and extract protocol metadata to create a unique profile of your network and monitor it against up-to-date community and Cisco intelligence. Machine learning algorithms and predictive analytics are further used to detect behavior that stands out from normal network operations. Our experts validate potential threats, provide customized recommendations, and work closely with you to resolve them. You can save money and improve overall security without disrupting or slowing down any of your network operations.

A Changing Threat Landscape

Today's security landscape is changing and threats are becoming more complex and stealthy. According to IDC, traditional security tools like firewalls, anti-virus, and intrusion prevention are only effective against 30 to 50 percent of today's threats. As an undiscovered threat lurks in your network, hackers can access your data and learn more about the network they have infiltrated – including how it is set up and how it is defended. Without investigation, most security administrators are not trained to see these threats, nor do not have the time or tools to do the analysis.

To fight these new security issues, many of the largest companies are building teams of investigators. They also may be exploring "big data" analysis techniques and correlation tools to monitor network activity in new ways. However, most organizations do not have the methodology or large budgets needed to build, staff, and maintain new threat monitoring and defense capabilities.

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Keep Up with Complex Challenges

Evolving Threats

Security threats are becoming so advanced and complex that it is hard to keep up. Finding the right technical experts is difficult, and when you do, hiring talent is very expensive.

Cisco Managed Threat Defense is a managed service that gives you 24x7 advanced security threat detection and analysis capabilities at a lower cost than building and owning them internally. It is delivered by Cisco's hand-picked team of highly trained expert analysts and investigators who apply the latest technology intelligence and knowledge to fight threats.

Securing Data and Assets

You need to protect your company's most important intellectual property and sensitive data from theft stemming from undetectable threats in the network. Early detection of these threats or attacks is the most effective way to protect your critical assets. In some cases, you might discover a network attack months or even years after it has entered your network, and by then damage will have already occurred.

Cisco Managed Threat Defense experts use sophisticated monitoring equipment, analysis platforms, and behavior-based tools to spot suspicious traffic before it can execute lasting damage to your organization.

Reducing the Complexity of Threat Defense

You need a managed security service solution that can demonstrate the heath of your network. This requires a solution that can quantify the number and type of security incidents discovered by continuously collecting and analyzing a deep set of network telemetry data.

Our managed service applies a collection of Cisco and third-party detection, aggregation, repository, forensics, and analysis technology. This powerful monitoring collects data from any device on the network, including security devices, routers, switches, and third-party and industry cyber-security data.

A Managed Consulting Approach to Threat Defense

- Improves your security posture and helps safeguard your organization through accurate detection of advanced threats
- Out of band managed service has minimal effect on your network performance
- Fully managed service is more cost-effective than building an in-house equivalent capability

Cisco Managed Threat Defense

Service	Benefit
Cisco Managed Threat Defense Service	Managed Threat Defense is a fully outsourced, managed security service. It rapidly detects and responds to security events by analyzing your network traffic, evaluating security telemetry and using global intelligence. Managed Threat Defense takes ownership of the network security event lifecycle. It covers detection, confirmation, mitigation, and remediation. The Cisco managed service covers detection, confirmation, and mitigation, as well as provides remediation recommendations.

Why Cisco?

Cisco has over 25 years of experience operating and supporting customer networks. We have an installed base of 200 billion network devices, which gives us a deep understanding of network architectures, network data flows, and security. You can take advantage of this in-depth knowledge, as well as Cisco's advanced analytical capabilities, to defend your organization against unknown threats.

To Learn More

To learn more about how Cisco can help you protect your organization from today's new threats, visit cisco.com/go/services/security

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C45-730534-00 01/14