Cisco Firepower Next-Generation Intrusion Prevention System (NGIPS)

World class security controls with industry leading Cisco threat intelligence

Advanced network security with contextual visibility across your environment

It's no secret that cyber attackers have the resources, expertise and persistence to compromise any organization at any time. As attackers become more sophisticated and exploit a growing set of attack vectors, traditional defenses are no longer effective.

Safeguarding your network assets and data from sophisticated threats requires extensive visibility into all your network layers and resources. Accomplishing this can be very difficult, especially in hybrid environments with dynamic applications and ever-changing hosts, workloads, and users.

Cisco Firepower Next-Generation Intrusion Prevention System (NGIPS) solutions provide the contextual awareness and detailed visibility that you need. They enable organizations to properly evaluate hosts, applications, files and users across the entire network including datacenter, cloud, and hybrid environments. As a result, organizations can rapidly detect and prevent advanced threats, while making informed decisions to secure their business.

Cisco's world class security controls are everywhere you need them – all managed by a powerful central management solution. And integration across Cisco solutions provides a broad and deep portfolio that works together to correlate previously disconnected events, eliminate noise, and stop threats faster to keep your entire organization secure.

Benefits

- **Stop more threats**, known and unknown, with the industry's largest and most effective threat intelligence (Cisco Talos)

- **Gain contextual insight** across devices, applications, and users to detect and prevent attacks

- **Inspect encrypted network traffic** to help prevent breaches and data loss

- **Virtual patching** of network vulnerabilities for faster protection

- **Flexible deployment options** across data center, cloud and hybrid environments

Customer story

Why Cisco?

The Cisco Next-Generation Intrusion Prevention System (NGIPS) portfolio delivers greater protection for your network against an increasingly evolving and complex set of threats. With Cisco, you're investing in a foundation for security that is both agile and integrated - leading to the strongest security posture available today and tomorrow.

From your data center, branch offices, cloud environments, and everywhere in between, you can leverage the power of Cisco's world class security controls everywhere you need them – all managed by a powerful central management solution.

Cisco Talos is the threat intelligence organization at the center of the Cisco Security portfolio. It is the largest private threat intelligence and research team in the world with over 350 researchers, analysts, and engineers all working around the clock and around the globe to provide meaningful context to threat intelligence. Talos is also active in over 185 industry groups and community partnerships.

Cisco Talos teams are supported by unrivaled telemetry and sophisticated systems to create accurate, rapid, and actionable threat intelligence for Cisco customers, products, and services.

Cisco is the worldwide leader in IT, networking, and cybersecurity solutions.

Industry-leading threat detection and protection

Cisco Firepower NGIPS provides unparalleled protection against both known and unknown threats including:

- Over 30,000 IPS rules that identify and block attack traffic targeting vulnerabilities in your network
- Advanced analysis of network and endpoint activity to protect against sophisticated malware attacks
- Reputation-based IP, URL and DNS security intelligence reduces risks by identifying known malicious sites
- Integrated advanced sandboxing technology that uses hundreds of behavioral indicators to identify zero-day and evasive attacks
- Indicators of Compromise (IoC) that identify possibly compromised hosts through the correlation of multiple events from multiple sources

Advanced Capability	Details
Real-time contextual awareness	Gain deep insight into your network devices, applications, users, operating systems, files, and more to better understand network behavior, identify out-of-compliance situations, and evaluate intrusion events.
Quickly detect, investigate, and remediate	Integration with Cisco Threat Response provides a single console for rapid triage and response, aggregated threat intelligence, incident tracking and collaboration. Integration with Cisco AMP solutions continuously analyzes file activity across your extended network and endpoints.
Intelligent security automation and policy orchestration	Automatically correlate intrusion events, analyze network weaknesses and generate protection policies with Cisco Identity Services Engine (ISE). Consistently manage policies across Cisco security products using Cisco Defense Orchestrator.
Superior security and threat intelligence	Cisco **Talos** detects and correlates threats in real time using the largest threat detection network in the world. This results in vulnerability-focused IPS rules and embedded IP-based, URL-based, and DNS-based security intelligence for Firepower NGIPS. It includes ClamAV®, SNORT®, Immunet®, SpamCop©, Talos Reputation Center, Threat Grid®, and other Talos user communities for unmatched security.
High performance and scalability	Cisco Firepower appliances provide high throughput, a modular design, and the scalability required to keep critical assets protected from even the most sophisticated threats.
Granular application control and URL filtering	Reduce your attack surface through precise control of thousands of applications and hundreds of millions of URLs in over 80 categories.

Next steps

To learn more about Cisco Firepower Next-Generation IPS, visit cisco.com/go/ngips