

# Premises Security Services

Managed firewall

## Perimeter security

Network computing models, and the security needed to maintain effective operations, have undergone dramatic shifts since the Internet has enabled digital business. Physical perimeter boundaries have eroded with the evolution of cloud computing and hybrid enterprise networks. The principle of defense in depth has not changed, it's only grown deeper. Complexity has increased with capabilities. The technological convergence of content and context-aware security onto a single platform perpetuates the firewall as the bastion of defense protecting your people, data and network computing resources.

As an emerging security services leader, Lumen<sup>SM</sup> understands the risks its customers face. We collect 357 million DNS queries per day. And we monitor over 1.3 billion security events and 114 billion NetFlow sessions per day. We respond to and mitigate 120 DDoS attacks and track over 5,000 Command and Control (C2) servers per day. Through this diligence, we identify more than 267 new C2s per month—removing 35 C2s per month.

Cybersecurity is a business imperative. As such, we share our global expertise by offering managed firewall services across a broad spectrum of vendor platforms with a wide array of features, throughput and capacity. Our vision is to cost-effectively and efficiently secure people, data and things with an adaptive security ecosystem.

## Pricing models

Every organization must prioritize the security of their digital premises. Lumen offers pricing models and price points for solutions that can satisfy the security requirements of businesses both large and small.

We manage firewalls from the top three market-leading vendors, Palo Alto, Fortinet and Cisco and support a range of platforms from low-end to high performance. In addition, Lumen also offers support for both customer-owned firewalls and provide an OpEx model where we maintain the license subscriptions to reduce up front capital expenses.

## Features and benefits

Firewall technology has greatly advanced from simple packet filtering. Lumen supports integrated Intrusion Prevention (IPS) on Palo Alto, Fortinet and Cisco platforms. Other types of perimeter-based security that are important to enterprises are now viable as components of the firewall, reducing the overall cost and complexity of managing different platforms. Content security such as anti-spyware, anti-malware and URL or web filtering is supported, as an option, by Lumen on firewalls. Context-aware security is also provided as an option on many platforms to identify applications and users, bolstering the firewall's prevention capabilities. Site-to-site VPNs, client VPNs and support for virtual contexts further add operational efficiencies to Lumen managed firewalls.

## Threat detection and response

With the advent of cloud computing, visibility across hybrid networks is more challenging than ever. Lumen consolidates firewall logs and security events to help enable the detection of threats across your enterprise. We also provide global 24/7 monitoring by seasoned security analysts with incident escalation as an option. These features will allow you to monitor incidents on your own to either combine with other in-house solutions or to save expenses. Integration options with Lumen<sup>SM</sup> Security Log Monitoring can expand your threat intelligence with advanced security use cases and monitoring capabilities, including notifications via a mobile app.



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Contact your Lumen representative to learn more about how we can protect your network with our cost-effective, premises security solutions, proven expertise, and NextGen technology.

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