

# Lumen<sup>®</sup> DDoS Mitigation Service

We own DDoS mitigation at scale

To keep up with the increasing size and sophistication of distributed denial of service (DDoS) attacks, today's organizations need access to advanced detection and mitigation capabilities.

Lumen<sup>®</sup> DDoS Mitigation Service provides network and application layer protection across multivector and mixed application layer attacks to help minimize downtime and maintain performance of critical web-facing assets and applications.

## Defense in depth

Our extensive and deeply peered global network acts as a first line of defense with DDoS countermeasures integrated directly in the network to stop attacks fast.

## Next-gen scrubbing technology

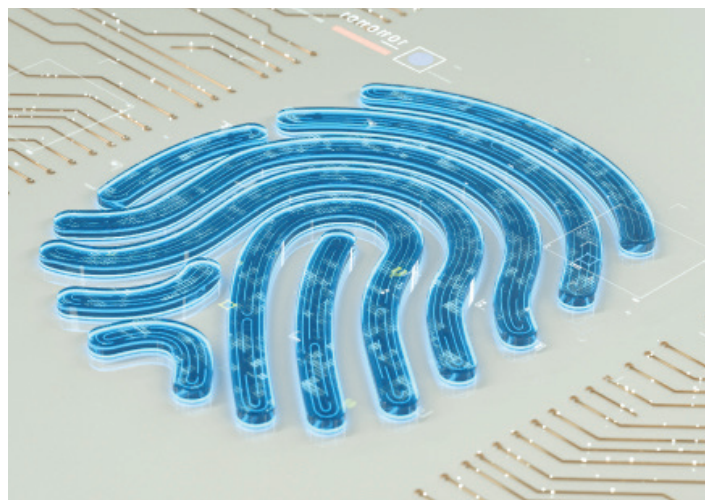
Lumen next-generation intelligent routing technology sends excess traffic to super or regional centers to minimize collateral damage during attacks.

## Proven threat visibility

Black Lotus Labs high-fidelity threat intelligence drives botnet takedowns and powers Rapid Threat Defense automated detection and response for mitigation beyond scrubbing and faster time-to-mitigate.

“Our customers reduced mean-time-to-detect (MTTD) and mean-time-to-respond (MTTR) for DDoS attacks by over 75%.”

— Forrester,  
*The Total Economic Impact  
Study of Lumen DDoS  
Mitigation Service, April 2020.*



## Features and Specs

### Smart, scalable attack mitigation capacity

- 15 global, intelligent scrubbing centers backed by 85+ Tbps of FlowSpec mitigation capacity
- 9,000+ unique AS interconnects<sup>1</sup> and 120+ Tbps of network capacity
- BGP FlowSpec automatically delivers rules to the Lumen backbone
- DDoS Flow-Based Monitoring for early detection and notification

### Carrier-agnostic and customer-driven

- Protects Lumen or third-party connections for IPv4 and IPv6 traffic
- Customer traffic onboarded at closest scrubbing center or at hundreds of Lumen internet or IP VPN PoPs globally
- Clean traffic return via IP VPN Direct, Lumen Internet Direct or Generic Routing Encapsulation (GRE)
- Supports hybrid deployments, integrating premises equipment with Lumen DDoS mitigation infrastructure via cloud signaling
- Proactive and reactive mitigation
  - Always-On with customer-initiated controls
  - On-Demand with proactive or auto-mitigation controls

### Enhanced performance and minimized downtime

- Up to 10-minute time-to-mitigate SLAs for most attacks after traffic hits scrubbing centers
- Nine global security operations centers (SOCs) offer around-the-clock support
- Automated detection and response with Rapid Threat Defense stops DDoS bot traffic at the network level
- Rapid Threat Defense countermeasures updated by Black Lotus Labs every 15 minutes
- DDoS protection turn-up available in minutes through self-service platform

<sup>1</sup>Telegeography, *Global Internet Geography Executive Summary*, 2018.

## Why Lumen?

We use multiple layers of DDoS mitigation defense, including our extensive and deeply peered global internet backbone, advanced scrubbing center technology with intelligent routing and Black Lotus Labs global threat intelligence for reduced latency, enhanced performance and highly scalable mitigation capacity.