

Lumen® 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® DDoS Mitigation Service provides network and application layer protection across multi-vector 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.

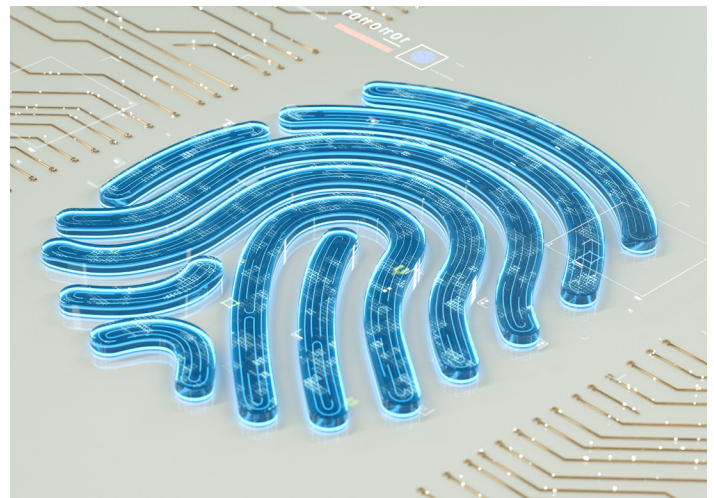
Next-gen scrubbing technology

Lumen next-generation intelligent routing technology sends excess traffic to super or regional centers to reduce 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.

“170 Tbps of network-based mitigation capacity across 500+ global scrubbing locations.”



Features and Specs

Smart, scalable attack mitigation capacity

- Multi-tiered scrubbing architecture backed by 170 Tbps of network-based mitigation capacity enacted at 500+ global scrubbing locations
- 7,300+ unique AS interconnects¹ and 250+ Tbps of global 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

- 1-second time-to-mitigate 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

¹The Center for Applied Internet Data Analysis, AS Rank, May 1, 2022.

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.