CDNetworks

# Flood Shield 2.0

Stop massive, multi-vector DDoS attacks at the edge with unified L3–L7 protection for applications, APIs, and network infrastructure.

## Unified DDoS Protection, WAAP, and CDN Acceleration

CDNetworks Flood Shield 2.0 is an enterprise-grade, cloud-native DDoS mitigation solution that seamlessly integrates DDoS protection, WAAP, and CDN acceleration on a unified global edge platform. It delivers comprehensive protection for web applications, APIs, and non-HTTP/S (TCP/UDP) applications, eliminating the complexity of managing fragmented security and delivery vendors.

### Integrated DDoS Protection, WAAP, and CDN

Flood Shield 2.0 combines L3/L4 DDoS mitigation, WAF, bot management, and API security on a single platform for comprehensive protection. The built-in CDN also improves website performance.

### Ensure Business Continuity

With over 20 Tbps of global scrubbing capacity, Flood Shield 2.0 helps maintain service availability during large-scale volumetric DDoS attacks, keeping legitimate users connected.

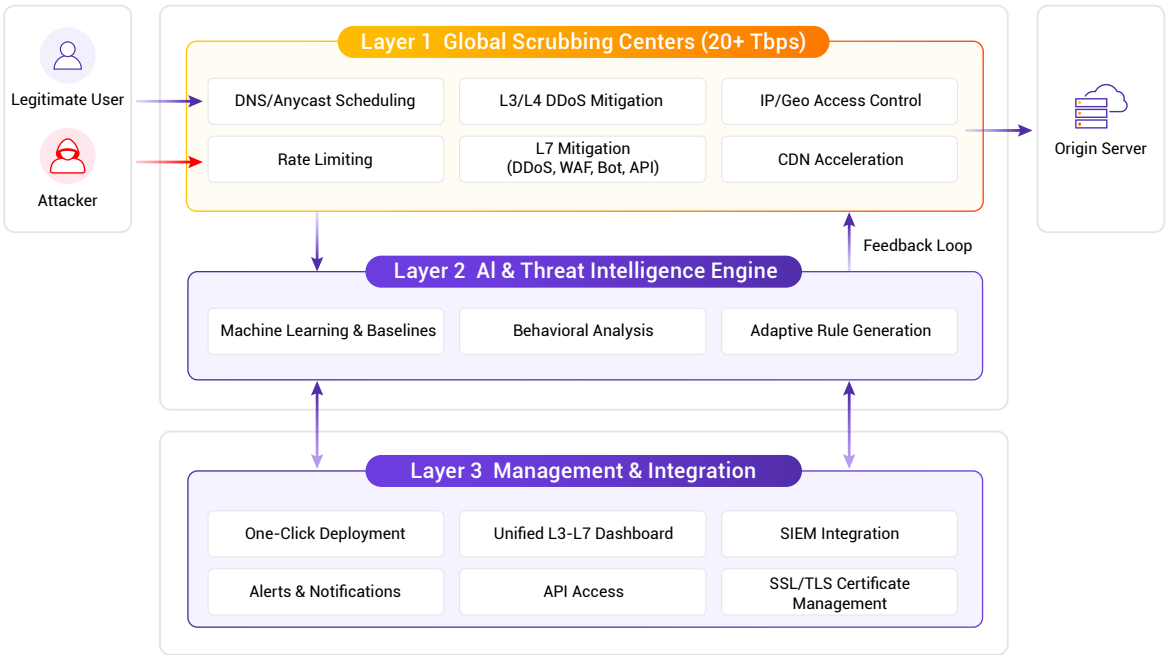
### Reduce Total Security Costs

By consolidating security capabilities on a single platform, Flood Shield 2.0 helps reduce overall security costs. 24/7 technical support is also included at no additional cost.

### Simplify Security Operations

Flood Shield 2.0 automatically adapts protection policies to evolving traffic patterns and attack methods, reducing manual effort so security teams can focus on higher-priority work.

## CDNetworks Flood Shield 2.0




# Product Highlights

## Large-scale DDoS Mitigation

Built on a global network of over 3,000 CDN PoPs, Flood Shield 2.0 helps businesses withstand large-scale DDoS attacks and keep critical services running. With Layer 7 mitigation capacity exceeding 1 billion QPS, it is well-suited for high-traffic industries such as gaming and streaming.

### 20+ Tbps Global Mitigation Capacity

CDNetworks operates 40+ scrubbing centers worldwide, delivering over 20 Tbps of mitigation capacity to defend against massive DDoS attacks.

### Extensive Network Coverage in Emerging Markets

CDNetworks' extensive PoP network across **Southeast Asia, the Middle East, Latin America,** and **Africa** helps businesses in these markets maintain service availability and minimize disruptions during attacks.

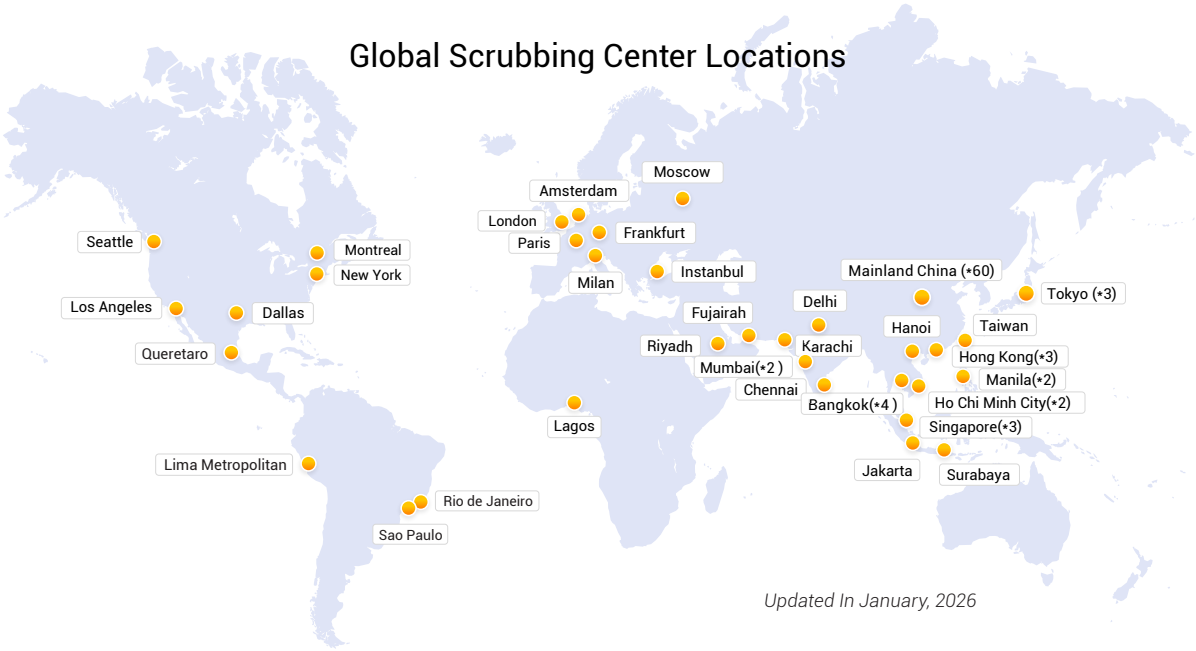
**20+ Tbps**
Global Scrubbing capacity

**40+**
Global scrubbing centers

**2.09 Tbps**
Largest L3/L4 DDoS attack mitigated

**34.7M RPS**
Largest L7 DDoS attack mitigated

## Global Scrubbing Center Locations




*Updated In January, 2026*

# HTTP/S and TCP/UDP Protection for Diverse Business Needs

From websites and APIs to online gaming, and real-time communications, Flood Shield 2.0 protects HTTP/HTTPS applications and TCP/UDP-based services against network- and application-layer DDoS attacks. Security policies for web and non-web services can be managed through the same platform.

### Layer 3/4 Protection

Defends against SYN, UDP, and ACK floods, as well as reflection and amplification attacks, to protect TCP/UDP-based services.

### Layer 7 Protection

Mitigates HTTP/HTTPS floods, low-and-slow attacks, malicious bots, and API abuse to safeguard applications and APIs.

# AI-powered, Adaptive Defense

Flood Shield 2.0 leverages **AI, machine learning, and global threat intelligence** to identify malicious traffic and automatically adapt DDoS defenses as attack patterns evolve.

### Intelligent Threat Detection

Continuously learns normal traffic patterns and analyzes real-time behavior to detect anomalies, identify emerging threats, and improve detection accuracy.

### Automated Adaptive Mitigation

Automatically generates and adjusts protection rules based on attack behavior, applying targeted measures such as rate limiting and malicious request blocking to **reduce manual intervention and maintain service availability.**

## Fast Deployment and Simplified Operations

Flood Shield 2.0 enables quick service activation through CNAME-based DNS configuration or Anycast IP, with centralized tools to simplify day-to-day security operations.

### Fully self-service console

Set up domains, configure security policies, and manage CDN settings and resources from one place.

### Real-time monitoring and alerts

Track attacks through real-time dashboards and receive notifications via email, Telegram, or webhooks.

### Easy certificate management

Upload and manage SSL certificates or set up free Let's Encrypt certificates with a single click.

### Alias domain support

Simplify domain configuration with Alias Domain (CNAME reuse).

# Value-Added Services

## China Premium Service

CDNetworks' China Premium Service (CPS) helps businesses deliver fast, reliable access to international websites and applications for users in mainland China. Designed for companies reaching customers in China, CPS offers high availability, latency as low as 50 ms, and minimal packet loss. Around-the-clock support helps businesses maintain smooth, uninterrupted user experiences.

## Exclusive IP Solution

CDNetworks' Exclusive IP Solution assigns each customer dedicated IP address groups to meet resource-isolation requirements. It also provides Layer 3/4 attack-log collection and visibility, giving security teams insight into network-layer threats. With support for dedicated MAPs, businesses can assign multiple IP groups to different services or applications, allowing them to manage separate resources for different business needs.

# Trusted by Global Companies

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