

# Kona DDoS Defender

DDoS defense to protect websites against the increasing scale, frequency, and sophistication of attacks



As businesses and other organizations move increasingly online, the scale, frequency, and sophistication of denial-of-service (DoS) and distributed denial-of-service (DDoS) attacks will continue to grow. Organizations today interact with customers, employees, and partners through a myriad of websites and applications, making them attractive targets for attackers. Whether planning for the inevitable or already under attack, organizations need fast, simple, and effective protection from the broadest range of DDoS attacks in order to defend their web presence, preserve sales revenue, and safeguard their brand.

## Kona DDoS Defender

Kona DDoS Defender provides organizations with a simple and effective solution to mitigate the growing threat of DoS and DDoS attacks. It combines Akamai's highly-scalable Intelligent Platform™ with in-depth security expertise afforded by Akamai's 24x7 security operations center (SOC) to defend against the largest and most sophisticated attacks. Architected for both security and performance, Kona DDoS Defender helps organizations offer their users the best web experience all day, every day, even when they are under attack.

## How It Works

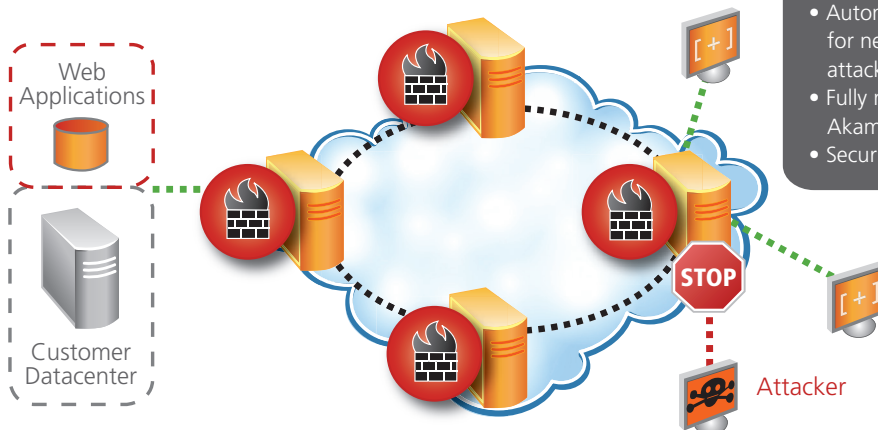
Kona DDoS Defender leverages the globally distributed Akamai Intelligent Platform to defend against DoS and DDoS attacks. With the scale to handle between 15 and 30 percent of global web traffic on a daily basis, the Akamai Intelligent Platform provides the capacity to mitigate the largest attacks, even as their size continues to grow. Kona DDoS Defender automatically deflects network-layer DDoS traffic and absorbs application-layer DDoS traffic at the network edge before attacks can reach the application origin.

For application-layer DDoS attacks, Kona DDoS Defender combines automated and people-driven capabilities, augmenting adaptive rate controls that mitigate common attacks within seconds with Akamai's 24x7 SOC to detect, analyze, and respond to the latest and new and sophisticated attack vectors as they are first encountered. In addition, Akamai SOC staff coordinates the attack response with organizations to help them maintain normal business activities even through attacks.

## BENEFITS TO YOUR BUSINESS

- **Reduce business risk** with fast and effective mitigation of DoS and DDoS attacks, backed by industry-leading SLAs
- **Maintain site availability** during attacks with the scale to deflect/absorb the largest DoS and DDoS attacks
- **Maintain site performance** during attacks with Akamai's globally distributed architecture
- **Respond to the most sophisticated** attacks with Akamai's dedicated and highly experienced SOC staff
- **Reduce costs** associated with DoS and DDoS protection by leveraging Akamai's globally distributed cloud security platform

Kona DDoS Defender combines the automated DoS and DDoS protection capabilities of the globally-distributed Akamai Intelligent Platform with the security experience and expertise of Akamai's 24x7 SOC.



### STOP ATTACKS AT THE EDGE

- Defense with unmatched scale
- Automated mitigation capabilities for network and application-layer attacks
- Fully managed attack response from Akamai's 24x7 SOC
- Security monitor for attack visibility

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## Key Capabilities

- **24x7 Security Operations Center.** Akamai's 24x7 SOC provides global coverage for organizations around the world. In addition to detecting, analyzing, and mitigating developing attacks, Akamai SOC staff communicates and coordinates with organizations' onsite staff and troubleshoots any abnormalities.
- **DoS and DDoS attack support.** Kona DDoS Defender is a fully managed security service to help organizations respond to the threat of DoS and DDoS attacks. Akamai SOC staff augments adaptive rate controls to perform real-time analysis of ongoing attacks, tune existing rules and create custom rules as required, and adapt to changing attack vectors and multi-dimensional threats.
- **Broad DoS and DDoS attack protection.** Kona DDoS Defender provides organizations with dynamic protection against a broad range of potential DoS and DDoS attack types, regardless of size and complexity, and even as they change over the course of an attack. Network-layer attacks, such as UDP and SYN floods, are automatically deflected, while application-layer attacks, such as HTTP GET and POST floods are absorbed at the network edge. In addition, Akamai SOC staff can help organizations mitigate zero-day Layer 7 attacks with custom rules.
- **Adaptive Rate Controls.** Automatically protect applications against application-layer DoS and DDoS and other volumetric attacks by monitoring and controlling the rate of requests against them. Behavior-based rules respond to bursts of requests in seconds, selectively alert/block attackers based on IP address and other parameters, and mitigate slow POST attacks.
- **Security Monitor.** Real-time visibility into security events and the ability to drill down into attack alerts to learn what's being attacked, by whom, what defense capabilities triggered the attack declaration and what specifically in the requests triggered site defenses.
- **Logging.** Increase your threat posture awareness by integrating event logs with your security information and event management (SIEM) or other reporting solution through Akamai's Log Delivery Service (LDS).
- **Site Shield (optional).** Cloak your origin from the public Internet to further protect against direct-to-origin attacks without impeding quick, reliable content delivery.

## The Akamai Ecosystem

Akamai makes the Internet fast, reliable and secure. Our comprehensive solutions are built on the globally distributed Akamai Intelligent Platform, managed through the unified, customizable Luna Control Center for visibility and control, and supported by Professional Services experts who get you up and running easily and inspire innovation as your strategies evolve.



Akamai® is a leading provider of cloud services for delivering, optimizing and securing online content and business applications. At the core of the company's solutions is the Akamai Intelligent Platform™ providing extensive reach, coupled with unmatched reliability, security, visibility and expertise. Akamai removes the complexities of connecting the increasingly mobile world, supporting 24/7 consumer demand, and enabling enterprises to securely leverage the cloud. To learn more about how Akamai is accelerating the pace of innovation in a hyperconnected world, please visit [www.akamai.com](http://www.akamai.com) or [blogs.akamai.com](http://blogs.akamai.com), and follow @Akamai on Twitter.

Akamai is headquartered in Cambridge, Massachusetts in the United States with operations in more than 40 offices around the world. Our services and renowned customer care enable businesses to provide an unparalleled Internet experience for their customers worldwide. Addresses, phone numbers and contact information for all locations are listed on [www.akamai.com/locations](http://www.akamai.com/locations).