Kona Web Application Firewall

Application- layer defense to protect against attacks like SQL injections and cross-site scripts

Akamai

Everyone connected to the enterprise – workers, partners and customers – expects instant, secure and reliable access to a fast-growing set of web applications and rich content, increasingly through mobile devices. For enterprises, providing a positive web experience for users goes beyond improving performance and requires conquering a growing set of web security challenges.

With the rapid innovation in web applications, developers, IT teams and security teams are struggling to stay ahead of the equally rapid emergence of new web security threats. A Web Application Firewall (WAF) provides the best defense.

Kona Web Application Firewall

Kona Web Application Firewall provides always-on and highly scalable protection against web application attacks including SQL injections, cross-site scripting and remote file inclusion – while keeping application performance high. By leveraging the globally distributed Akamai Intelligent Platform™ Kona Web Application Firewall scales automatically to defend against massive application attacks and frees companies from the complexities and investment in dedicated hardware. Akamai's Threat Intelligence Team continuously refines Kona WAF rules for known website attacks and responds to new threats as they emerge.

How it Works

Globally distributed across the Akamai Intelligent Platform™, Kona Web Application Firewall inspects every HTTP and HTTPS request before serving it, detecting and blocking web security threats before they ever reach the data center. It enables companies to customize the defense perimeter for each online environment being protected and works through the implementation of network- and application-layer controls.

BENEFITS TO YOUR BUSINESS

- **Reduce downtime and business risk** with the scale to deflect/absorb the largest DoS and DDoS attacks

- **Reduce the risk of data theft** with a highly scalable Web Application Firewall

- **Maintain performance** during attacks through Akamai's globally distributed architecture

- **Reduce costs** associated with web security by leveraging Akamai's cloud-based web security platform

- **Protect against new and evolving threats** with Kona rules updated regularly by Akamai's Threat Intelligence Team

Unmatched web and application security delivered via an intelligent platform with 137,000+ servers in 87+ countries

Web Applications

Customer Datacenter
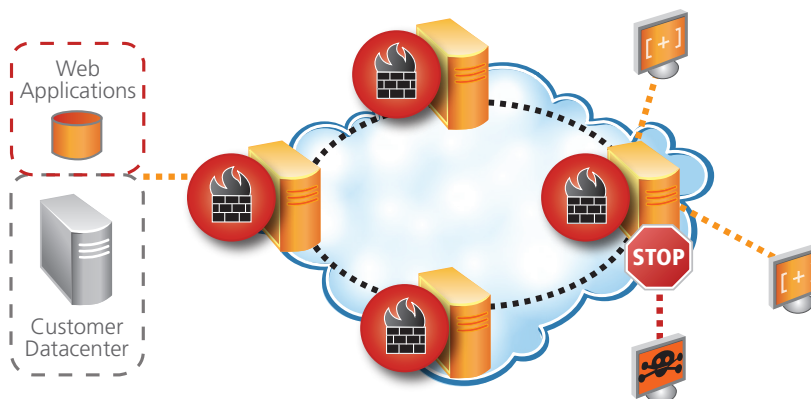
STOP

STOP ATTACKS AT THE EDGE

- DDoS defense with unmatched scale

- Web application firewall

- Rate controls

- SQLi, cross-site scripting defenses

- Custom rules and ongoing updates

- Security monitor for attack visibility

Kona Web Application Firewall

Key Capabilities

- **Adaptive Rate Controls —** Automatically protect applications against application-layer DDoS and other volumetric attacks by monitoring and controlling the rate of requests against them. Set behavior-based rules to respond to bursts of requests in seconds, selectively alert/block attackers based on IP address and other parameters, and mitigate slow POST DDoS attacks.

- **Application-Layer Controls —** A collection of pre-defined, configurable WAF rules that address categories such as Protocol Violations, Request Limit Violations, HTTP Policy Violations and more

- **Network-Layer Controls —** Automatically drop network-layer DDoS attacks at the network edge. Define and enforce IP whitelists and blacklists to allow/restrict requests from certain IP addresses or geographical regions to protect your website

- **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 WAF event logs with your security information and event management (SIEM) or other reporting solution through Akamai's Log Delivery Service (LDS)

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.

> " With Akamai's Web Application Firewall we can scale to handle peak traffic and continue our aggressive growth without overprovisioning our security architecture. We're confidently positioned to drive more site traffic and revenues while safeguarding our brand and shoppers' information.
>
> **— Jason Miller,** VP of Technology, Motorcycle Superstore Metacafe

Akamai FASTER FORWARD

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 or 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.