Cloud Security Solution

Managed Cloud Security
Protect against threats with 24 x 7, real-time monitoring and mitigation

DNS
Make sure your website can be found

SSL/TLS
Shield your content with encryption

Layers 3, 4, 7 DDoS Protection
Ensure your digital content is available

Web Application Firewall
Secure applications from known threats

Bot mitigation
Distinguish humans from malicious bots

Origin Protection
Guard your origin infrastructure from attacks

Bots / Cyber threats

Protect your web applications and user data with our comprehensive Cloud Security Solution.

Integrated into our cloud platform, our security solution offers world-class protection, performance and scale to keep your website operating with confidence.

Holistic multi-layer defense

Our comprehensive cloud security solution protects against threats from all layers, from massive network-layer DDoS attacks to advanced application-layer attacks and everything in between.

Extensive coverage

We provide access to hundreds of the latest proprietary, commercial and open-source security rules. Collaborations with industry-leading security researchers allow for fast response to zero-day security threats. Parallel security rulesets allow for A/B testing and quick rules update.

Flexible control

You have the choice of our easy-to-use web portal for config management and real-time analytics or leveraging our comprehensive API suite for automation and integration with your existing workflow.

Industry-leading Managed Cloud Security

Our security experts monitor and mitigate threats against your websites and mobile applications in real time, 24 x 7 x 365. Rely on our Computer Security Incident Response Team and Cloud Security Advisory to protect your online presence and brand reputation so you can focus on generating more revenue.

verizon✓

digital media services

Feature highlights

DDoS protection and mitigation

- 57+ Tbps of globally distributed network capacity to absorb the largest DDoS attacks anytime

- Always-on automated DDoS protection to mitigate DDoS attacks on all layers, including, but not limited to: SYN, ACK, UDP, DNS, HTTP and ICMP flood

- Unlimited DDoS overage protection

Web Application Firewall (WAF)

- Application layer (Layer 7) defenses identify and mitigate malicious requests

- Comprehensive rulesets covering a wide range of application vulnerabilities, i.e., SQL Injection (SQLi), cross-site scripting (XSS), remote file inclusion (RFI), local file inclusion (LFI), PHP Object Injection, remote code execution (RCE) and many more

- Protection against all OWASP Top 10 threats and common application-specific vulnerabilities, i.e., Microsoft IIS, ASP.NET, SharePoint, WordPress, osCommerce, Joomla!, Drupal, cPanel and others

- IP reputation database protects against known bad actors

Access Control Module

- Granular control over the application access through black/whitelisting of request parameters, i.e., IP address, country, referrer, user-agent, request method, file extension/content-type and more

Advanced Rate Limiting

- Additional application layer DDoS protection to help shape and limit the rate of HTTP requests to your application

- Granular control allows you to set conditions, i.e., IP address, URL, user-agent, referrer, file extension and more

- Flexible sampling window (from 1 second to 5 minutes) and client enforcement durations

Domain Name System (DNS)

- Fast, secure and reliable to resolve DNS queries quickly and accurately

- Fully RFC compliant, with support for primary and secondary DNS

- Built-in DNS DDoS protection with support for DNSSEC (Domain Name System Security Extensions)

Globally distributed infrastructure

- Worldwide network of 125 PoPs (points of presence) for maximum scale and reliability with massive 57+ Tbps of network capacity

- Integrated CDN and security software stack for maximum reliability and performance anywhere

- Close proximity to all major metropolitan cities serves as a first line of defense to stop attacks at the edge

Bot mitigation

- Protect your website, mobile applications and APIs from automated attacks

- Machine-learning algorithms predict a bot based on correlating dozens of dynamic classifications

- The world's largest Known Violators Database informs bot detection in real time

- Advanced browser validations detect sophisticated scrapers and browser automation tools

- Hi-Def device and behavioral fingerprinting ensure high-level accuracy

Flexible controls and analytics

- Fully self-serviceable web interface for security services management and real-time analytics dashboard for security event monitoring and analysis

- API for all security features to support automation and integration with your existing security workflows

- API for real-time security logs to integrate with your security information and event management (SIEM) tools

- Fast propagation of security configuration updates within <5 minutes

- Parallel security profiles allow quick ruleset updates without downtime in protection or complex ruleset migration

Managed security and support

- 24 x 7 x 365 operations team available for DDoS mitigation and security incident escalations

- Cloud Security Advisory with dedicated security expert for configuration assistance and technical consultation to keep up with the latest threat landscape

- Security Operations Center staffed by our Computer Security Incident Response Team protects you with round-the-clock monitoring and security incident mitigation

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Learn more about our Cloud Security Solution.

info@verizondigitalmedia.com

1.877.334.3236

verizondigitalmedia.com/cloud-security