

DDoS protection

Built-in, always-on, cloud-based DDoS protection

With DDoS attacks on the rise, you simply can't afford for your website to go down. Our DDoS protection features intelligent, real-time monitoring algorithms that automatically identify and mitigate malicious activity within two minutes. And our massive network capacity absorbs even the largest DDoS attacks, ensuring your website stays online, protected at all times.



Key benefits

Ensure your website is always available

Built-in, always-on, cloud-based DDoS protection secures your website against DDoS attacks and ensures it stays online.

Stop attacks before they happen

Real-time monitoring and automatic mitigation systems keep your website up, your customers happy and your company profitable.

Always-on protection for your business

Rock-solid, always-on DDoS protection shields your business operations and your company's bottom line from the clear and present danger of malicious attacks.

Hassle-free speed and security

Advanced management and reporting tools help optimize your website for speed and security.

Feature highlights

Comprehensive DDoS protection

- Intelligent, real-time monitoring to mitigate 99 percent of network-layer DDoS attacks within 60 seconds of identification
- HTTP Rate Limiting protects against application-layer attacks
- Massive capacity of tens of terabits per second absorbs even the largest attacks
- Protection against direct-to-origin attacks on your website and various attacks to your infrastructure
- DDoS protection is built on a cloud-based architecture and features port lock down
- A key component of our comprehensive **Cloud Security Solution**

Simple deployment

- 100 percent cloud solution, with no hardware or software installation necessary
- Easy setup in a matter of minutes with DNS record updates
- Integrated into our **Edgecast Content Delivery Network** for enhanced performance and scale

Easy management

- Automatic, always-on protection – no active management required
- Automatic mitigation of most common attack types, with no human intervention required
- Real-time monitoring and alerts to identify changes in traffic patterns

Expert support

- 24 x 7 x 365 U.S.-based support with NOC engineers, not call-center operators
- Dedicated, results-oriented service aimed at providing insight and assistance to enhance your existing security capabilities
- Expert professional services that augment your security staff in times of need with dedicated security specialists

Comprehensive features

Reliable protection with global scale and capacity

Built-in, automatic, always-on protection

Cloud-based architecture and built-in port blocking

IP Anycast routing reduces the impact of DDoS attacks by thinning them out globally

125+ Super PoPs worldwide for global scale and reliability

Massive network capacity of tens of terabits per second to absorb even the largest attacks

Protection against Layer 3 and 4 DDoS attacks

TCP flood

UDP flood

SYN flood

ICMP flood

TCP packet fragmentation

UDP packet fragmentation

NTP reflection attacks

Ping of death

Smurf attacks

HTTP (Layer 7) Rate Limiting

Controls the number of HTTP requests sent to website

Protects against HTTP flood attacks

Helps control bots and web scrapers

Ability to control rate on a per-client basis

Defines rate limits by variables, such as IP address, URL, user-agent, hostname and more

Protection against DNS DDoS attacks

Built-in DDoS protection for our DNS infrastructure

Protects against DNS flood attacks

DNSSEC (Domain Name System Security Extensions) prevents cache poisoning

Origin Shield

Hides origin infrastructure from direct-to-origin attacks

Adds an extra layer of caching to improve origin offloading

Reduces load on origin servers and improve performance

Intelligent real-time monitoring

Anomaly detection to identify changes in traffic patterns

Continuous monitoring on each and every one of our PoPs

Automatic mitigation of most common attack types with no human intervention required

Stop attacks at the edge, before they reach your origin web server

DDoS scrubbing centers by Verizon Enterprise Security

Cloud-based, carrier agnostic, highly scalable DDoS mitigation to protect against direct-to-origin attacks

Dedicated scrubbing centers provide full port, full protocol mitigation of all incoming traffic, regardless of service provider

On-demand or always-on flexible integration with customer premise detection and mitigation equipment

Support from Verizon Enterprise Solutions anti-DDoS Operations expertise

Support

24 x 7 x 365 U.S.-based support from engineers, not call-center operators

Support located in our HQ office with direct access to engineers

Flexible managed services tailored to your organization's needs

Contact us for a free proof of concept to demonstrate how we can tailor our DDoS protection to your needs.

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