

# DDoS Protection Solutions

A full array of enterprise-grade DDoS protection solutions

**BLOCKDOS**  
Your Business, Our Protection

Our approach is simple - If you are under attack & we are tasked with mitigation, we will leave no stone unturned to get your web infrastructure - be it your website, web application, mobile application, email or dns-server - up and running with complete availability. Our full array of services give your business a 360° protection from everything malicious online. We can thwart attacks on all pieces of Open Systems Interconnection (OSI) model - Physical layer, data-link layer, network layer, transport layer, session layer, presentation layer & application layer.

## Remote Proxy Protection

By using our remote proxy protection, get total protection of your web infrastructure - Web, DNS and MX. The remote proxy adds an extra layer of protection over your network nodes, sending only clean traffic and blocking out every malicious request. The whole idea of remote proxy is to stay at your current hosting provider and route traffic to your web server through our proxy server. This not only protects your website but also make your IP anonymous thereby allowing us to deal with any malicious request to your website. Our enterprise plan is able to provide clean bandwidth of up to 1 Gbps and a data transfer of whopping 10TB!

## BGP Routing over GRE Tunnel

By using Generic Routing Encapsulation (GRE) tunnel, BlockDOS is able to offer you with an enterprise-grade communication protocol which establishes direct end-to-end connection between any network infrastructures. This allows you to use multiple protocols network backbone which supports a single protocol only. On top of this, GRE tunnel has a lower footprint than rest of the high resource demanding alternatives like IPSec VPN. Most importantly, GRE tunnel is a solid workaround for networks that support a limited number of hops. BlockDOS GRE tunnel makes use of encapsulation to establish direct connection to your server with comprehensive DDoS mitigation solution deployed at the edge of your network. Through secure communication protocols, GRE Tunnel encapsulates network packets over an added layer and delivers the payload directly from one point to another, encrypting and decrypting at endpoints only thereby giving you total protection.

### Benefits for your business

- **Drastically reduce the risk** of website defacement, downtime and data theft.
- **Cut down operational overhead** associated with application maintenance.
- **Reduce costs** associated with frustrated customers and regulatory fines.
- **Reduce expenditure** on expensive security software and hardware.
- **Improve Customer Satisfaction** while thwarting complex attack vectors.

### Technical Benefits

- **Intuitive interface** equals to rapid deployment and configuration
- **Built-in protection** against OWASP top 10 vulnerabilities
- **Minimize false positives** through automatic rule deployments

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## Web Application Firewall

Our cloud-based Web Application Firewall (WAF) contains a perfect solution for these organizations. With intuitive management interface, detailed statistics, threat map, DNS panel and encryption settings, Blockdos WAF is extremely user friendly. It's a managed service which protects your web infrastructure from application layer attacks including zero-day vulnerabilities and OWASP top 10 threats. It cost effectively makes you fulfill 100% PCI compliance by adhering to PCI DSS 2.0 and 3.0 requirements. With more than 2.9 million requests per second, our WAF is identifying and blocking every potential threat. The combined intelligence propagates throughout our entire network, so if a threat is identified and blocked in our US Point of Presence (PoP), the same threat will be blocked in our UAE PoP or any other access point in the world.

## Cloudflare Enterprise

Cloudflare can protect your website, make it run faster and improve availability with a simple change in DNS. The technology innovators at Cloudflare have re-thought the entire technology stack through the network, hardware and software layers, building out a reverse proxy service on a highly-available global network. By offering this functionality as a cloud service, it saves you time, money and hassle. Your web visitors are safer and happier while you continue to benefit from the continued innovation and the transformative web experiences that Cloudflare scale can drive. Cloudflare enterprise offers you a full suite of features available in business plus a lot more - priority access in local region, frequent analytics, mutli-user access, more caching options, custom WAF rules and priority traffic to local data centers.

## Technical Benefits *(cont.)*

- **Expand your security features on-demand** through custom rule sets and policies.
- **Instant Setup!** No migration needed, only a few DNS entries
- **Anonymous IP address** - your actual IP is never exposed
- **Protection from a multitude of DDoS attacks** - UDP, TCP, SYN Flood - everything!
- **Protection from Application Layer attacks** - Botnet, XML RPC & more
- **Get triple protection** - Web, DNS & Email - all network resources

## **BLOCKDOS** Your Business, Our Protection

BlockDoS is a leading Canadian organization, established in 2005 as the most Secured Dedicated Hosting and Distributed Denial of Service (DDoS) Mitigation Service provider. We guarantee 99.9% uptime SLA on Enterprise Protection solution. Once your website is secured by BlockDoS, all the traffic will be routed through our global network of high-powered servers that inspect all incoming traffic, keeping hackers out while accelerating your traffic. BlockDoS delivers state of the art IT security solutions and excellence in business performance by ensuring a high level of security of the IT services; delivering a cost effective and sustained level of security that is aligned with needs of our clients; and developing and maintaining high levels of confidentiality, integrity and availability.