

DDoS Protection

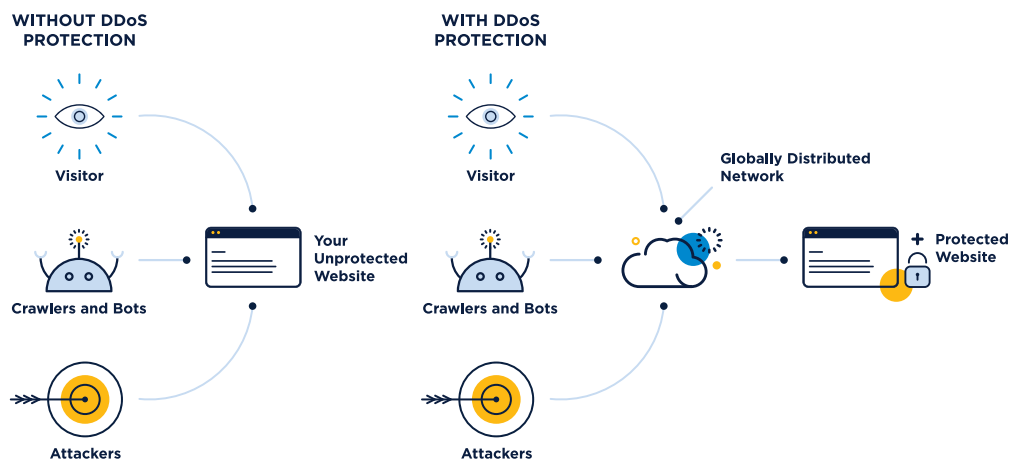


What is DDoS Protection?

DDoS Protection is a US Signal managed service providing DDoS protection of websites and applications and non-web-based TCP applications along with several website performance enhancement features. Powered by Cloudflare's global Anycast network with multiple peering locations with the US Signal network, we can provide powerful security, reliability, resiliency, and performance for websites, API's and applications.

Key Features

- + 15 Tbps DDoS Mitigation
- + Global Anycast network built for scale
- + Fastest managed DNS in the world
- + PCI DSS 3.2, GDPR, & HIPAA Compliant
- + Simplified SSL certificates
- + Multi-vector attack protection
- + Flat-rate pricing with unmetered DDoS Mitigation



At A Glance Options

- + Managed enterprise-class DDoS protection solution for network, transport & application layers
- + Always-on volumetric and application level DDoS mitigation powered by Cloudflare's global Anycast network of 152+ Datacenters with 15Tbps+ throughput
- + Web Application Firewall (WAF) that includes OWASP top vulnerabilities, preconfigured rule set that learns from existing Cloudflare traffic from over 9 million websites, plus application and custom rule sets
- + Unmetered DDoS Attack Mitigation with 100% uptime SLA
- + Available Rate Limiting for precise DDoS mitigation, brute force login, and API protection
- + The fastest managed DNS available



Technical Overview

US Signal Provisioning and Technical Operations Engineers will work with your team to develop and deploy a fully managed DDoS protection and website performance configuration that is customized for your business needs. Cloudflare's edge servers serve as a reverse proxy to handle all DNS traffic by default and can be further configured to handle all traffic to the origin servers. While all internet properties can benefit from the speed and proximity of Cloudflare's DNS and CDN network, customers who host their websites and applications within the US Signal Cloud get the added benefit of multiple direct peering locations between our fiber network and Cloudflare's network.

Service Level Agreements

We offer a 100% SLA for DDoS Protection which means we guarantee the DDoS mitigation service will be available and working 100% of the time. Even if your origin servers go down, Cloudflare's global CDN can continue to deliver static content to site visitors with properly configured caching rules.

Serviceability

DDoS Protection and website performance is a DNS-level protection and is available on a per-domain basis for on-premises, colocation, and cloud-hosted environments. It can be bundled with other US Signal services or be purchased independent of other US Signal services.

Pricing

Pricing is split into two tiers and primarily is based on the amount of egress data you utilize, how many requests your site receives and the geographic locations your visitors come from. There are two tiers you can choose from, standard and premium.

Standard Tier

Includes the following:

- + Multi-layer DDoS mitigation with volumetric DDoS attack protection through CloudFlare DNS and CDN
- + A preconfigured firewall, that leverages an IP reputation database based on traffic information from over 9 million websites, filters known malicious traffic and is updated continuously
- + A Web Application Firewall (WAF) provides layer 7 protection for applications
- + Simplified SSL management
- + Advanced analytics reporting which shows data utilization, information about threats and malicious activity, and traffic patterns

Premium Tier

Includes everything in the Standard tier with the addition of:

- + Rate limiting protection for API's, brute force website logins, and refreshes
- + Non-web based TCP proxy for additional protection for applications
- + Several optional customizations can be also made including custom web application firewall rule sets, advanced cache configurations, custom website error pages, image compression, automatic front-end code minification, script loading tools, and more depending on your business needs

US Signal manages the configuration and deployment of the product with the same commitment to customer service we provide across our entire product portfolio. We proactively monitor traffic flows and recommend or deploy new configuration settings to improve data transfer utilization, filter traffic, and to improve the overall visitor experience. Our Technical Operations Center works 24/7/365 to monitor our network and products so you can have peace of mind knowing we have you covered.