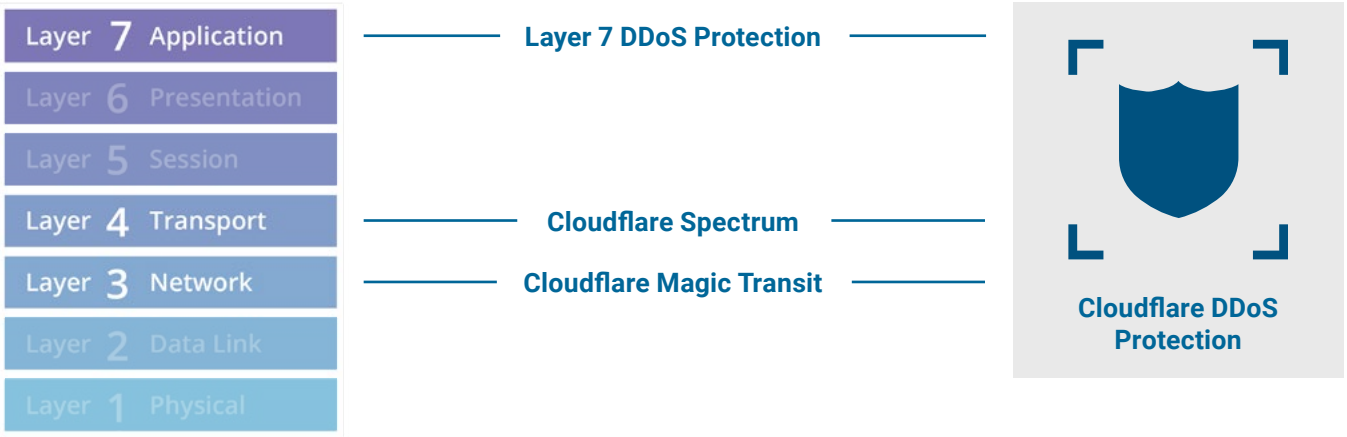
CLOUDFLARE

Cloudflare DDoS Protection

Fast, intelligent, comprehensive protection against sophisticated attacks

Cloudflare DDoS protection helps businesses stay online and performant, even when under attack by sophisticated and volumetric multi-vector threats. Our integrated suite of solutions draws on intelligence from our 200+ city network to protect web applications, TCP/UDP applications, and on-premises networks.



Native DDoS mitigation for web applications on the Cloudflare network

Cloudflare provides unmetered, fully automated mitigation systems that observe all traffic on our network, note anomalies in HTTP requests, and identify the targets of attacks to perform immediate and appropriate mitigation actions. Using DNS redirect, origin server IP addresses are masked, and web traffic is automatically diverted to Cloudflare's nearest point of presence, stopping attacks in the cloud before they reach origin servers.

Cloudflare's DDoS mitigation for web applications works in tandem with our cloud web application firewall (WAF) and Bot Management to protect web assets from cyber threats of all kinds.

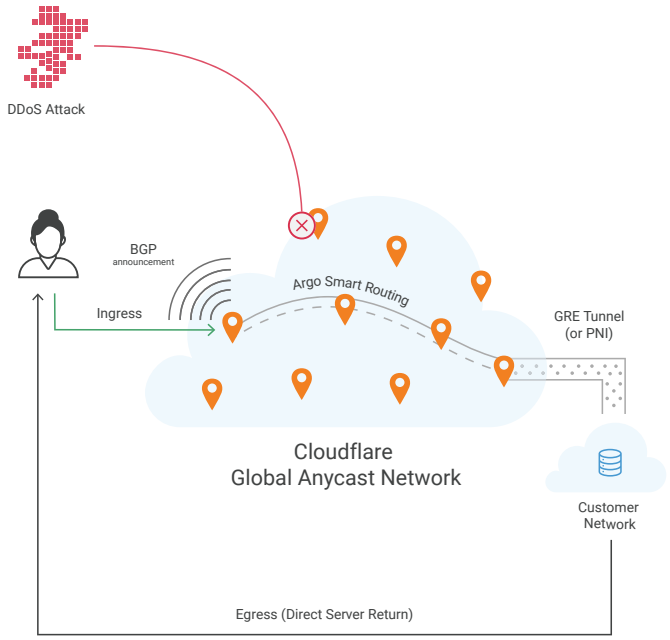
DDoS Mitigation for TCP/UDP Applications with Cloudflare Spectrum

Cloudflare Spectrum is a reverse proxy service that provides DDoS protection for TCP/ UDP applications, such as FTP, SSH, VoIP, or any custom protocol.

What's more, Spectrum doesn't just protect applications from DDoS protection attacks. It also helps make them faster. Spectrum integrates with Argo Smart Routing to route traffic over the Cloudflare network with minimal latency, and comes with an integrated IP firewall and load balancing for TCP and UDP traffic.

DDoS Mitigation for Networks with Cloudflare Magic Transit

Cloudflare Magic Transit provides DDoS protection for on-premises networks and data centers, either in always-on or on-demand deployment modes.



It uses Cloudflare's global network to detect and mitigate DDoS traffic in the Cloudflare data centers closest to attack sources.

Using Border Gateway Protocol (BGP) route announcements to the Internet, and Cloudflare's anycast network, customer traffic is ingested at a Cloudflare data center closest to the source.

All customer traffic is inspected for attacks. Advanced, automated mitigation techniques can be applied immediately upon detecting an attack.

Clean traffic is routed over Cloudflare's network for optimal latency and throughput and can be handed-off over anycast GRE tunnels, private network interconnects (PNI) or other forms or peering to the origin network.

Cloudflare helps protect web assets, applications and entire networks from DDoS attacks. For more information, go to www.cloudflare.com

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Over 35 Tbps of DDoS mitigation capacity

DDoS attacks are globally distributed, and it's best to mitigate them as close as possible to the attack's sources. With Cloudflare, there's no need to divert traffic to latency-inducing scrubbing centers—our DDoS protection runs as a service on every server in our network, offering a mitigation capacity of over 35 Tbp, faster overall mitigation, and higher uptime for your infrastructure.

Threat Intelligence At-Scale

Cloudflare's DDoS protection is fueled by intelligence from our global network, which protects over 25 million websites and has over 1 billion unique IP passing through it every day. This reach gives us a unique vantage point to deploy learnings globally and constantly protect against the newest and most sophisticated attacks.

Integrated Security and Performance

Cloudflare's DDoS protection operates seamlessly with and learns from our other security and performance products, including Web Application Firewall, Bot Management, Magic Transit, Load Balancer, CDN and more.

Analyze your data, your way

Cloudflare Analytics enables you to analyze DDoS events through Cloudflare's dashboard or GraphQL. Alternately, Cloudflare logs can be integrated with leading third-party SIEMs to seamlessly integrate with your business processes.

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