

Deft DDoS Protection Service

Deft has network expertise that can only come from experience. For over 22 years, we've helped organizations remain secure and operational by providing unparalleled network connectivity and protection services. We have leveraged this experience to architect our DDoS Protection Service — a fully managed service providing a centralized response to Distributed Denial of Service (DDoS) attacks.

As a managed service, we continuously update rules and protection strategies on your behalf as malicious actors are constantly changing and evolving their tactics. As DDoS experts, we constantly educate ourselves on trends and make service improvements, so you don't have to.

Our DDoS Protection Service detects and protects you from DDoS attacks without manual intervention.

How Does Deft's DDoS Protection Service Work?



1.

Deft systems monitor network traffic 24x7x365



2.

A malicious actor begins attacking your site with DDoS traffic.



3.

Deft's DDoS Protection Service recognizes the attack, routing your traffic to a Scrubbing Center where it is analyzed and cleaned.



4.

In less than 2 minutes, over 90% of attack traffic is mitigated and your environment is functioning normally.



5.

Cleaned traffic is delivered to your environment.

Attacks may be automatically detected or recognized and declared by your team or ours. The DDoS Protection Service starts within a few seconds from the moment an attack begins, or is declared, and ends one hour after an attack stops.

203% y/y

Malicious Distributed Denial of Service (DDoS) attacks increased 203% y/y for the first 6 months of 2022.

Source: Radware 2022 H1 Global Threat Analysis Report

Key Features

- Supports a broad range of attacks
 - » **Volumetric attacks**
The classic type of DDoS, these attacks employ methods to generate massive volumes of traffic to completely saturate bandwidth, creating a traffic jam that makes it impossible for legitimate traffic to flow into or out of the targeted site.
 - » **Protocol attacks**
Are designed to eat up the processing capacity of network infrastructure resources like servers, firewalls, and load balancers by targeting Layer 3 and Layer 4 protocol communications with malicious connection requests.
 - » **Application attacks**
Some of the more sophisticated DDoS attacks exploit weaknesses in the application layer—Layer 7—by opening connections and initiating process and transaction requests that available memory.
- **Immediate / Automatically Engaged Scrubbing:** Malicious actors can take down sites in minutes. Recovery can take hours. The negative impacts can continue for weeks/months. Deft's Managed DDoS Protection Service monitors, detects, and automatically scrubs malicious traffic without taking your applications and data offline. Threats are identified rapidly, and your environment is kept online with no manual intervention needed.
- **Rapid Attack Protection:** Mitigating sophisticated DDoS attacks is not instant. Our experience shows that our clients stop receiving over 90% of the attack traffic less than 60 seconds after an attack is detected. The ~10% of remaining traffic is mitigated within 2-3 minutes of detection.

DDoS attacks are increasingly dynamic. Rapidly changing threat vectors means you need to be prepared for an incident and know exactly how you'll respond.

- **Continuous Rule & Protection Strategy Updates:** We continuously update rules and strategies for your environment, ensuring your environment is leveraging the latest protection intelligence.
- **Minimal Network Latency:** Anytime protection is triggered, your traffic will be redirected to our scrubbing centers which may slightly increase latency. However, our DDoS Protection Service is architected with high-speed traffic scrubbers around the world, so you will be connected to the one with the lowest latency to minimize any impact during attacks.
- **24x7x365 Support:** Our DDoS Protection Service is managed 24x7x365 by our Service Desk, who maintains a direct line to our network engineering team. Should any issues arise, experts are standing by to step in.

DDoS Protection Against A Changing Threat Landscape

Deft's DDoS Protection Service delivers the confidence and coverage you need to keep your applications and data online. Give us a call at +1(312) 829-1111 or visit <https://www.deft.com/ddos-protection> to learn more.