

# DDoS ATTACKS REMAIN A THREAT TO BUSINESSES

Here's how they happen,  
and some signs you should watch for.

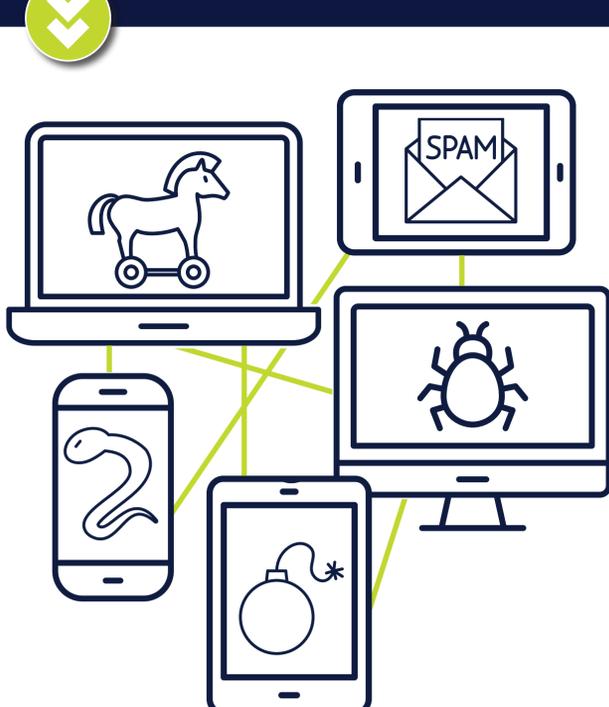
Did you ever imagine there'd be such a thing as too much traffic to your business website? Yes—in the world of cybercrime, even web traffic can be a problem.

Hackers use Distributed Denial of Service (DDoS) attacks to take business websites offline with floods of phony traffic—a scheme that spells trouble for e-commerce companies, government entities and just about any other web-dependent organization.

## Bothersome Botnets

Hackers use armies of botnets—networks of malware-infected computers—to send swarms of data packets to servers.

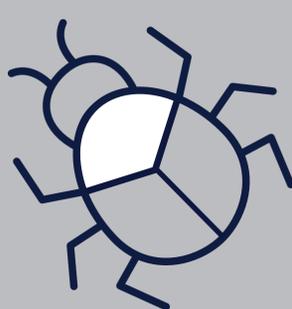
- Botnets can contain **thousands of infected machines** and are controlled remotely by the hacker.
- Botnets can be rented on the black market for as little as **\$150 per day**.
- Increasingly, hackers are jumping on **unsecured Internet of Things** devices to create botnets.



## A Growing Threat



More than **2,000** DDoS attacks occur worldwide every day.



More than **one-third** of downtime incidents are attributed to DDoS attacks.

## Git Gets Hit

In 2018, Github was dealt one of the largest DDoS attacks to date. The site was interrupted for **about 9 minutes**—going offline for 5 minutes and experiencing intermittent service after that. At its peak, the barrage walloped Github servers with **1.35 Tbps of data**—all at once.

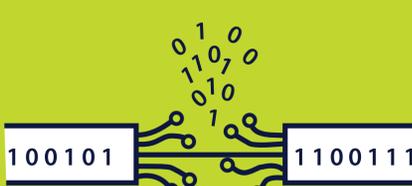


## Red Flags

Not all service interruptions are the result of a DDoS attack, but there are a few signs to watch for, including:



Inability to access files or any website



Slow network performance

Disconnected wired or wireless connection



An influx of spam email



Prolonged denial of access to the internet

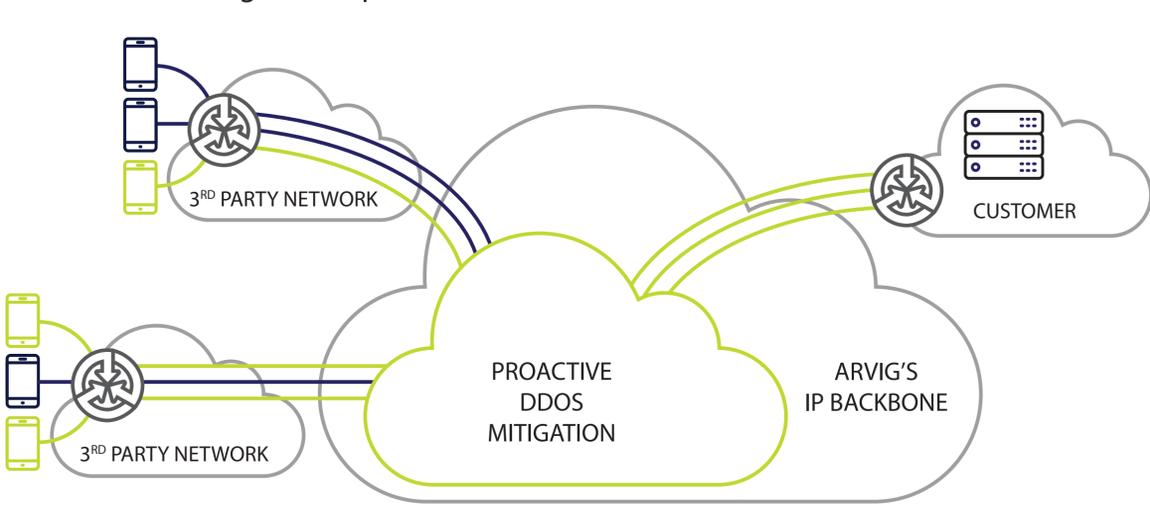
## Why DDoS?

- **Extortion:** Hackers use DDoS to extort money, repeatedly hitting a company's server and keeping it offline until a ransom is paid.
- **Hacktivism and cyber vandalism:** So-called "hacktivists" might use DDoS as a show of force against a group, organization or business whose policies, practices or services they disagree with. They might even target a company to take business away from a competitor.
- **Distraction:** A DDoS attack might just be a smokescreen for a bigger problem, such as stealing corporate data or sensitive customer information.



## Protect Your Business

Here's how Arvig's DDoS protection works:



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