

# Protect your vital infrastructure and applications.

Solution brief

## DDoS Shield

**The internet continues to grow in both size and speed. And with this growth comes an increased attack surface. The combination of increased bandwidth and proliferation of connected devices—many unsecured—creates potential for infiltration. This can result in larger, more frequent and more sophisticated distributed denial-of-service (DDoS) attacks. DDoS attacks were the most common attack pattern across the nearly 80,000 security incidents analyzed in the 2021 Data breach Investigations Report (DBIR). But its one of the easiest to mitigate effectively. In fact, 95 percent of DDoS incidents in the new DBIR fell between 13 Mbps and 99 Gbps, which is an easily mitigatable range with a robust DDoS mitigation service.**

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### DDoS attack frequency grows.

A DDoS attack is a flood of traffic, often originating from thousands of infected devices, which can overwhelm your systems and network capacity, rendering them unavailable to those who need it most: your customers, partners and employees. According to the 2021 DBIR, DDoS attacks remain the #1 threat associated with security incidents.

For most enterprises, this means that the threat of a DDoS attack seems inevitable, and these attacks are also increasingly paired with data breaches. If you become a victim, the trust your customers have in your security is weakened, potentially sending them to your competitors. DDoS attacks are a threat to your digital business, and you need a mitigation plan.

Protect internet-facing websites, applications and infrastructure with Verizon DDoS Shield. Part of Verizon's web security portfolio for enterprises, DDoS Shield is a cloud-based service that can tackle today's sophisticated and high-volume DDoS attacks, working across your enterprise environment to help you maintain your operations and achieve better peace of mind.

With Verizon, you're ready. We can help you protect your reputation and maintain availability of your services for customers, partners and your workforce.

### Protection across carriers.

If you use a variety of internet service providers and carriers, setting up cloud-based DDoS protection can be a challenge. Fortunately, DDoS Shield can protect your IP address space regardless of your internet service provider. No matter which network an attack comes over, you maintain routing control and activate our DDoS mitigation service when you need it.

**Today's internet consumers—especially millennials—are increasingly intolerant of a slow internet experience. Even if an attacker does not take your website offline, degraded performance could result in lost revenue.**

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### The scale to beat future attacks

DDoS attacks continue to increase in size, with one of the largest recorded attacks reaching bandwidth of over 2.3 TB per second.<sup>1</sup> Attackers are using public cloud computing resources and millions of connected devices—increasingly in the Internet of Things (IoT)—to create powerful botnets.

The sophistication of attacks also continues to grow, as hackers find new ways to spoof IP addresses to deploy amplification attacks that don't require botnets for a denial of service to be effective.

Many cloud DDoS services simply can't handle this kind of volume, but DDoS Shield leverages the massive capacity of Verizon Digital Media Services infrastructure, developed expressly to combat these high-volume attacks. Provided from the cloud, the service offers an ever-expanding mitigation capacity against current and future large-scale attacks. This alleviates the burden from your network and security perimeter systems, ensuring continued availability to your customers.

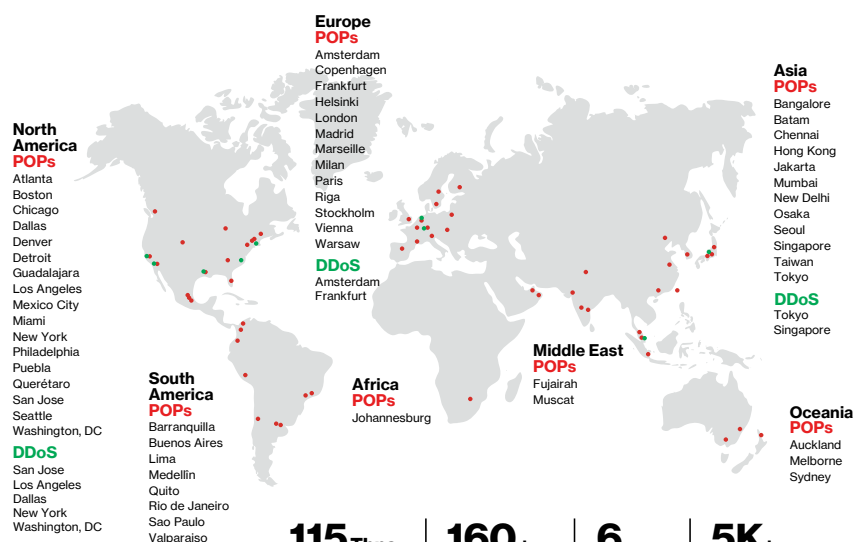
## DDoS Shield availability

**North America:** Canada, U.S.

**Europe:** Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Liechtenstein, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom

**Asia-Pacific (APAC):** Australia, Hong Kong, Japan, New Zealand, Singapore, South Korea, Taiwan, Malaysia, Thailand

● Verizon DDoS Shield node



## Intelligence-driven security

Defending against DDoS attacks isn't just about brute strength—you need the right intelligence to know how to discern bad traffic from good. For over 20 years, we've engineered and operated a global platform that successfully detects and mitigates potential DDoS attacks. We continuously scan the traffic on our worldwide IP network—one of the world's largest—for irregular patterns. With DDoS Shield, you get these security experts working for you.

In a DDoS attack, you risk loss of revenue and downtime, but the biggest danger may be to your reputation. Don't give customers a reason to doubt the strength of your security defenses. Get DDoS mitigation services with the scale and sophistication to meet today's attacks, protect your brand and keep your services and applications available to power your business.

## Secure your web applications.

Your business relies on websites and web applications that may process data outside your protected network. This means that your organization becomes susceptible to malicious attacks that could threaten your network infrastructure and your sensitive data.

With Verizon's Web Application Firewall (WAF), get an extra layer of protection against external threats by monitoring, detecting and preventing application layer attacks. Our WAF inspects inbound HTTP/HTTPS traffic against reactive and proactive security policies, and blocks malicious activity in-band and on a real-time basis so you can rest assured that you're protected against the largest and most sophisticated attacks.

DDoS Shield and Web Application Firewall combined give you added protection against evolving online threats.

To learn more about how DDoS Shield can protect your organization from threats, contact your Verizon Business Account Manager or visit <https://www.verizon.com/business/products/security/network-cloud-security/ddos-shield/>

