THE EVOLVING DDOS LANDSCAPE

Distributed denial of service (DDoS) attacks are more frequent and damaging than ever before.

Cybercriminals use IoT technology, mobile devices, bots and malware to access networks. Damage can occur quickly and be long-lasting. Today's DDoS attacks are:

Frequent

31%

increase in the number of DDoS attacks in Q1 2021 from Q1 2020.1

Prevalent

5,351,930 attacks in the first half

of 2021.²

Costly

\$2.3 million

the cost of a typical attack.3



What's at risk?

The associated cascade of impacts on an organization can have longer-lasting consequences:

Network downtime

of outages caused by

83%

DDoS attacks targeted firewalls and VPN concentrators to help bring down the network.4

32 days

Productivity loss

Network downtime and loss of productivity are the immediate perils of a DDoS attack.

— the longest attack

in the second quarter of 2021.5

Network access

27 billion

connected IoT devices

estimated by 2025.6

Who is a target? DDoS attacks, and more recently DDoS-based ransomware attacks, should be a top concern

for a variety of organizations. For example, enterprise organizations saw a 125 percent increase in DDoS extortion attacks in the past year.⁷ US-based organizations are most at risk, receiving 36 percent of all DDoS attacks worldwide

— the most of any country.8

Several industries are under attack, including:



experienced 50 percent of all DDoS extortion attacks in the first half

of 2021.9



volume of application layer DDoS incidents of all industries

throughout the past 12 months.¹⁰



10 months of 2020, with DDoS attacks creating cover for many of

the breaches.11



of security respondents¹², with an increase in DDoS attacks that target

industrial control systems.¹³

Quickly differentiating between legitimate and malicious traffic. A service provider can

on your specific traffic patterns.

discovery and mitigation of threats.

Guard your network by:

allow legitimate traffic to pass, while malicious traffic is rerouted and scrubbed at the IP address level. Integrating your protection. A managed service that combines security with your dedicated

Internet access offers always-updated, cloud-based protection, and a single source of support frees up internal resources. This simplifies the security process and expedites the

Using threat detection to identify volumetric attacks before they impact your business. Intelligent monitoring, based on machine learning and algorithms, detects attacks based

Read our executive brief: DDoS mitigation: protect

your network and your enterprise to learn more about

DDoS protection.

Learn more

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