

Q3 2021 DDoS Attack Trends

Q3 had the highest number of global botnet hosts seen this year



Command & Controls (C2s)

The brain of a botnet that issues the commands to launch DDoS attacks.

Total: **2,100+**

Top 3 countries:

- China - 653
- United States - 381
- Taiwan - 128
- The Netherlands - 128



DDoS botnet hosts

Total: **217,000+**

Top 3 countries:

- Brazil - 44,837
- Mexico - 42,736
- Egypt - 19,546

Q3 2021 DDoS attack stats

The largest volumetric attack Lumen scrubbed



612 Gbps

The largest packet throughput attack Lumen scrubbed

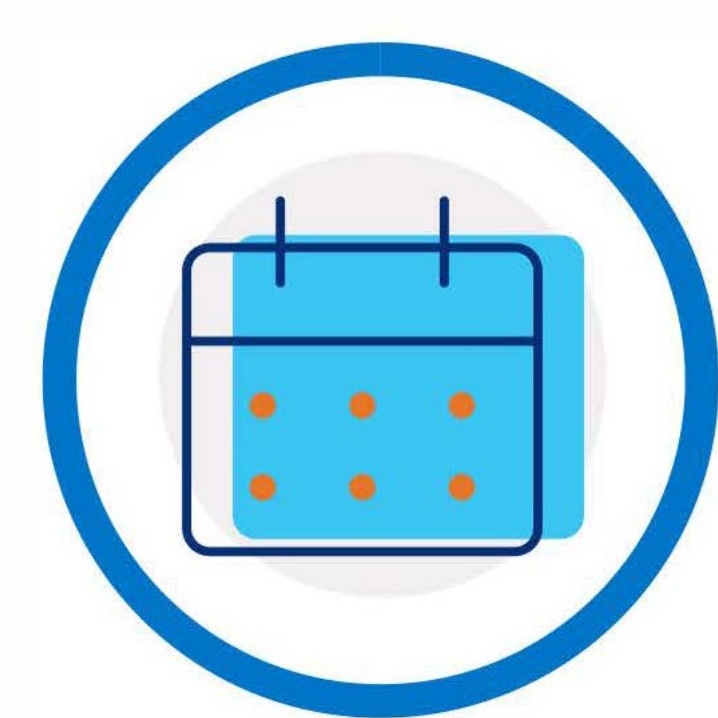


252 Mpps

Average DDoS attack period Lumen mitigated



Longest DDoS attack period Lumen mitigated



46%

of DDoS attack periods lasted



Multi-vector attacks represented **44%** of all DDoS attacks



What is a multi-vector attack?

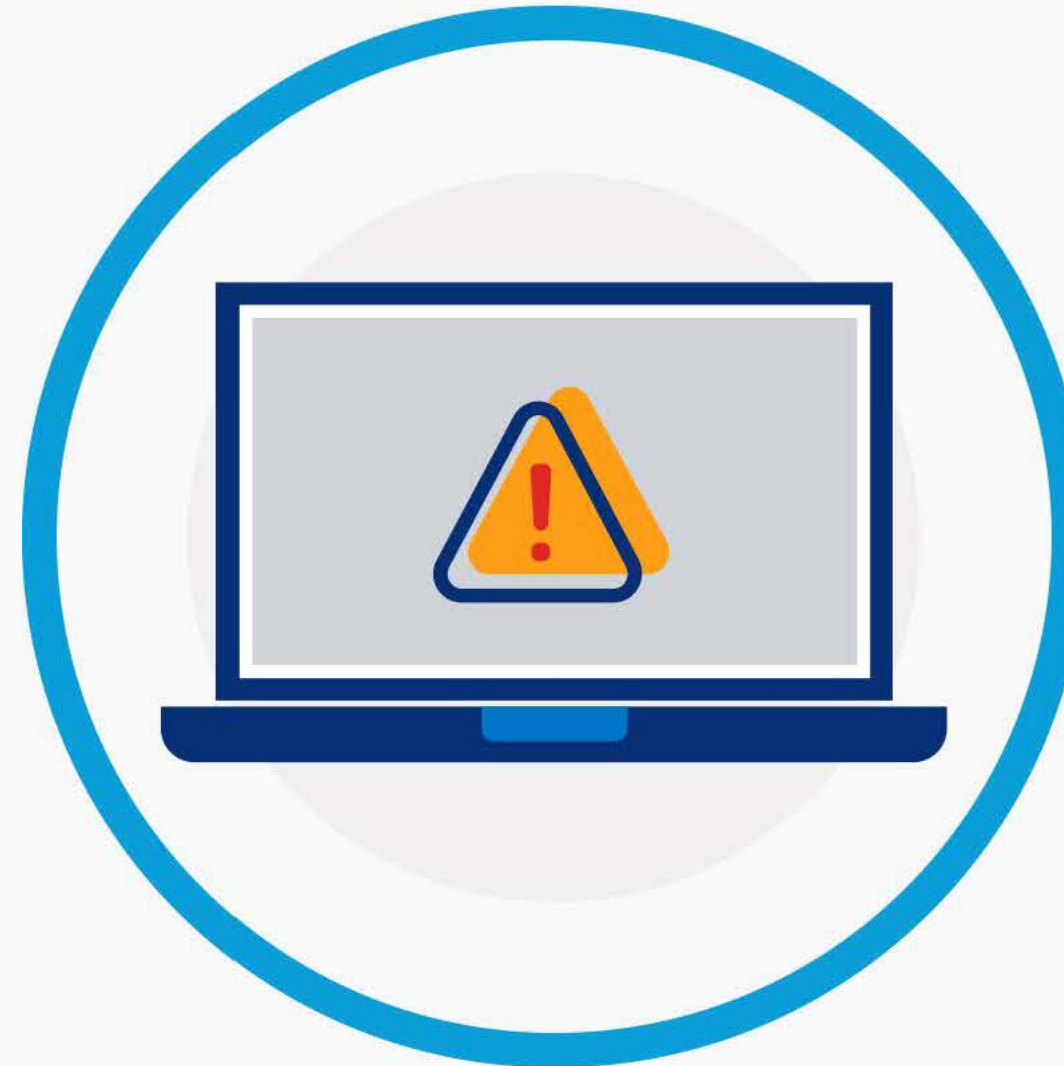
A multi-vector DDoS attack is where a bad actor uses multiple methods of attack all at once. It's a more complex type of attack, because each vector can require a different form of mitigation, making it more difficult to protect against. In Q3 Lumen saw up to four combinations of attack types, which is the most varied combination in 2021.

DDoS botnets remained pervasive this quarter, with average lifespan of Gafgyt C2s increasing

Unique C2s tracked



Unique attack victims per family



Average lifespan of a C2 (in days)



Gafgyt **349**

Data inconclusive

38

Mirai **284**

22,308

21

Top 5 verticals targeted in the 500 largest attacks



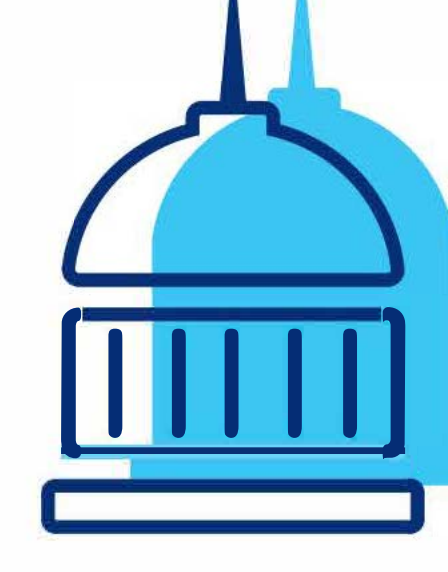
Telecomm
34%



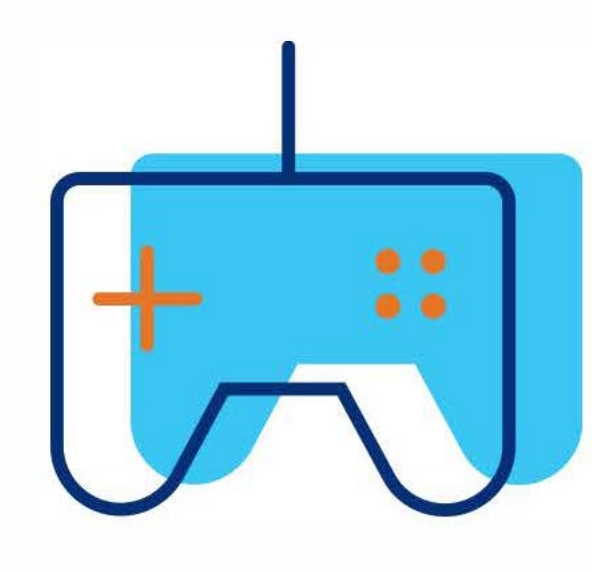
Software & Technology
21%



Retail & Distribution
12%



Government
7%



Gaming
6%

See how DDoS threats evolved compared to previous quarters by reading the full report from Lumen and Black Lotus Labs®.

[READ THE FULL REPORT NOW](#)