LUMEN®

BLACK LOTUS LABS®

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

2 hours 42 m 22 s

Longest DDoS attack period Lumen mitigated

14 days

46% of DDoS attack periods lasted **<10 minutes**

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	Software & Technology	Retail & Distribution	Government	Gaming
34%	21%	12%	7%	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