Q1 2023 DDoS & Application Attack Trends

**Q1 attack trends**

- Sophisticated attack methods are on the rise, such as the use of DNS water torture attacks.
- A new year brings new multi-vector combinations, using 5 and 6 attack vectors—most we have ever seen.
- “Hit-and-run”-style attacks remain popular with victims targeted multiple times to cause long-term chaos.
- Beware of bots as applications and APIs continue to face immense pressure from malicious ones.

**Attack sizes skyrocketed in Q1**

- The largest attack size Lumen scrubbed in Q1 was **817 Gbps** (+14% from last quarter).
- The average packet rate-based attack Lumen scrubbed in Q1 was **354 Kpps** (+13% from last quarter).

**Q1 DDoS attack stats**

- Lumen mitigated **8,653 DDoS attacks** (+6% from last quarter).
- 99 attacks/day
- 70% of DDoS attacks were attack-period durations were **<10 minutes** (+3% from last quarter).
- Multi-vector attacks represented **44%** of all DDoS attacks (+1% from last quarter).

**Top 5 verticals targeted in the 1,000 largest attacks**

- Telecom: 85%
- Other: 4%
- Gaming: 3%
- Government: 3%
- Software & Technology: 1%

**Q1 application protection stats**

- 42% of requests were blocked in real time.
- 30% of blocked requests came from bots.

- The top three verticals with the highest percentage of blocked traffic were:
  - Banking: 5.7%
  - Advertising: 5.4%
  - Telecom: 2.8%

See how DDoS and application threats evolved in Q1. Read the full report from Lumen.

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