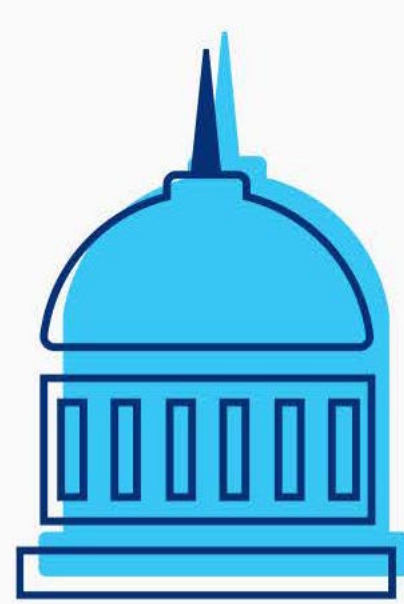


Q4 attack trends



Public sector persecution

Government customers were highly targeted this quarter



Going out with a bang

Lumen mitigated our largest attack of the year



DDoS drowning

DNS water torture attacks persisted

Q4 saw our largest DDoS attack of the year



The largest attack Lumen scrubbed in Q4 was

903 Gbps

↑126% year-over-year



The largest packet rate-based attack Lumen scrubbed in Q4 was

114 Mpps

↑26% year-over-year

Q4 DDoS attack stats



Lumen mitigated

4,061

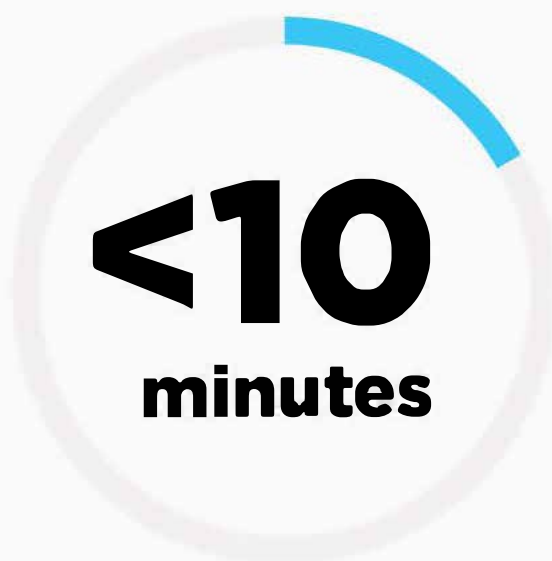
DDoS attacks

↓4%
year-over-year

48
attacks/day

53%

of DDoS attack-period durations were



↑22%
year-over-year

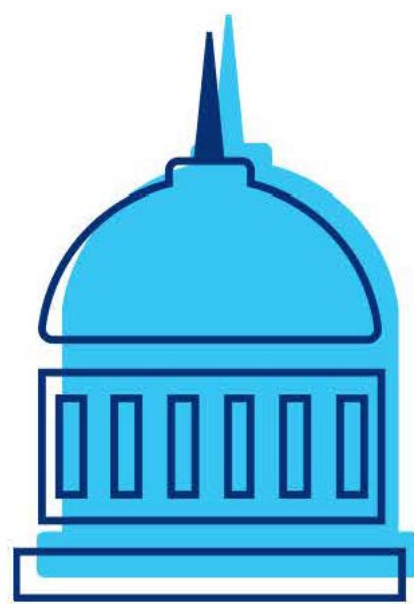


Multi-vector attacks represented

32%

of all DDoS attacks

Top 5 verticals targeted in the 1,000 largest attacks



Government

66%



Software & Technology

11%



Telecommunications

9%



Finance

2%



Gaming

2%

Q4 application protection stats

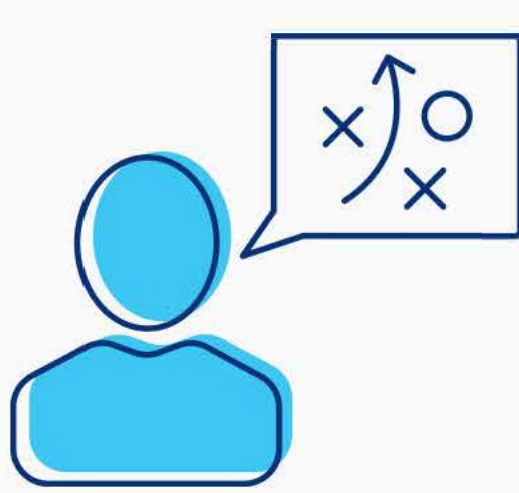
1.7B

requests were blocked in real time

37%

of blocked requests came from bots

The top three verticals with the highest ratio of blocked API traffic were



Consulting

20%



Banking

17%



Insurance

14%

See how DDoS and application threats evolved in Q4. Read the full report from Lumen.

READ THE REPORT