

6 Trends: H1 2024 Threat Report Infographic

Discover the key shifts and attack statistics that stood out in the first half of 2024.



Trend 1: Web DDoS Attack Activity

There's been a significant increase in the frequency and intensity of these attacks.

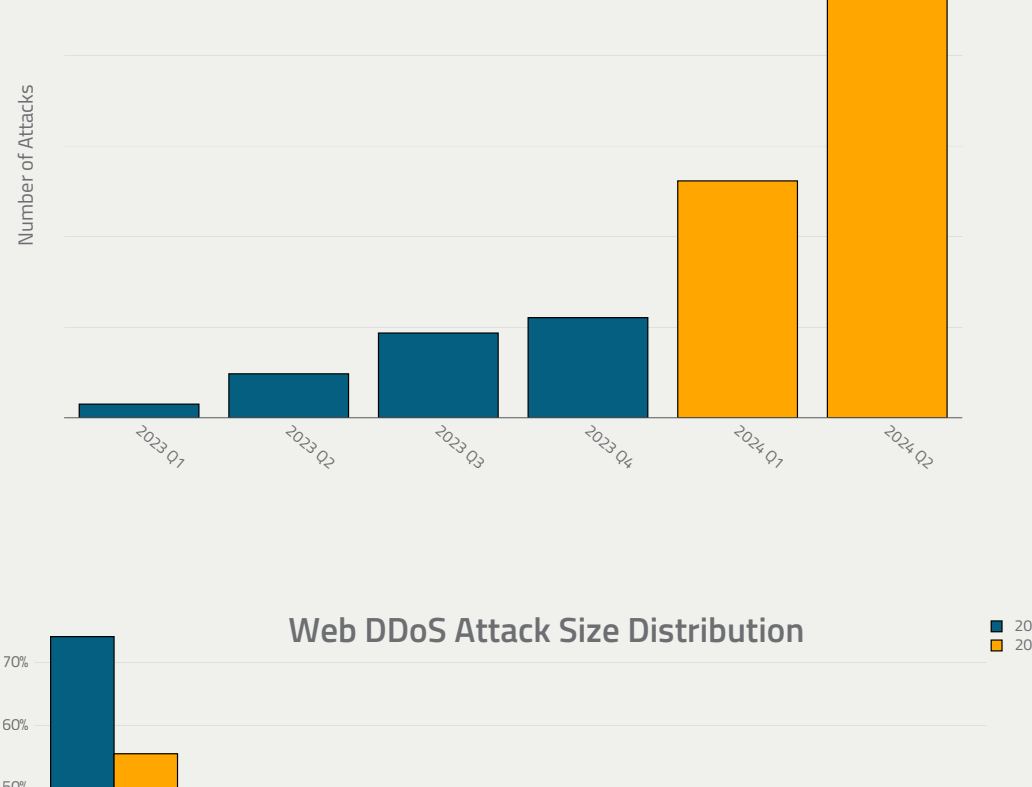


Stat:

265% Increase in mitigated Web DDoS attacks (H1 2024 over H2 2023).

0.12% Average of legitimate vs malicious web requests.

Overview:

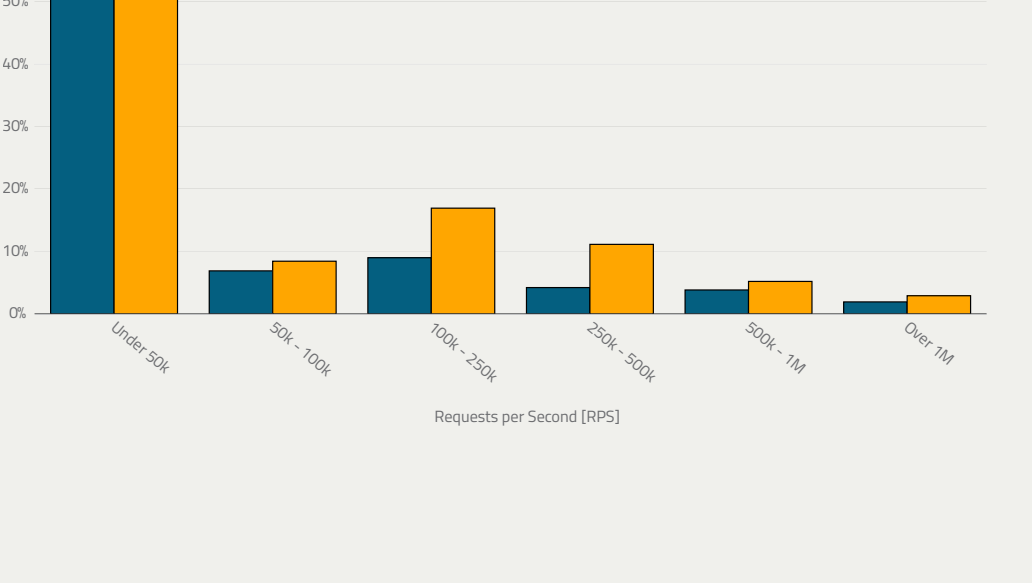


Attack:

A record-breaking Web DDoS attack campaign...

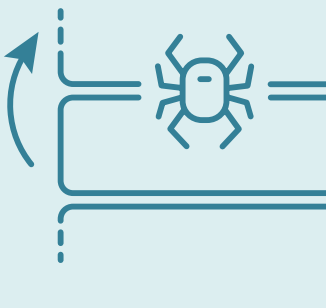
6 Days 14.7 Million requests per second (RPS)

1.25 Trillion malicious web requests



Trend 2: Network-layer DDoS Attack Activity

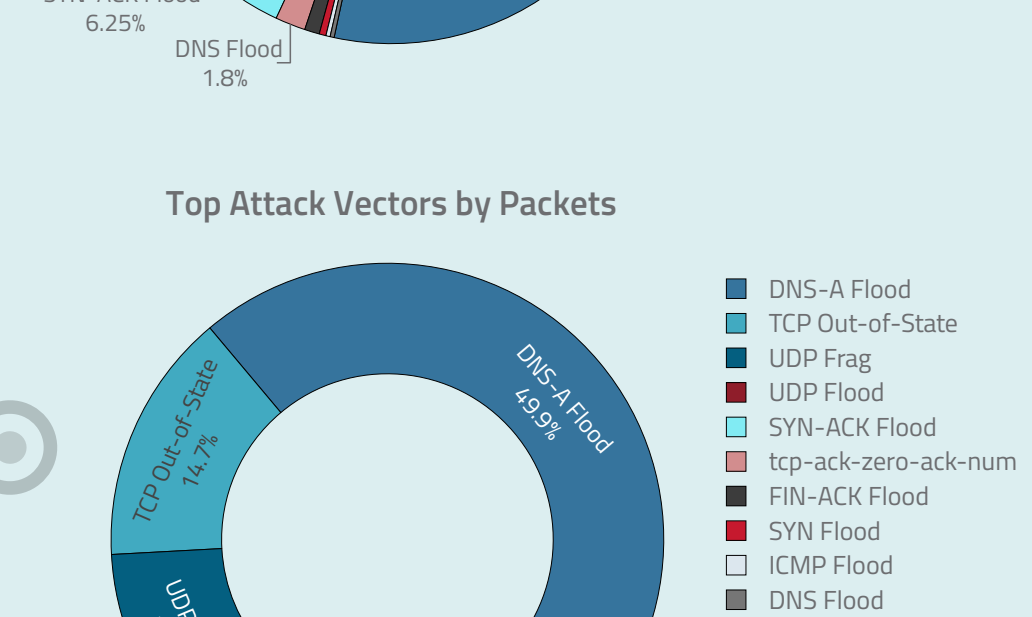
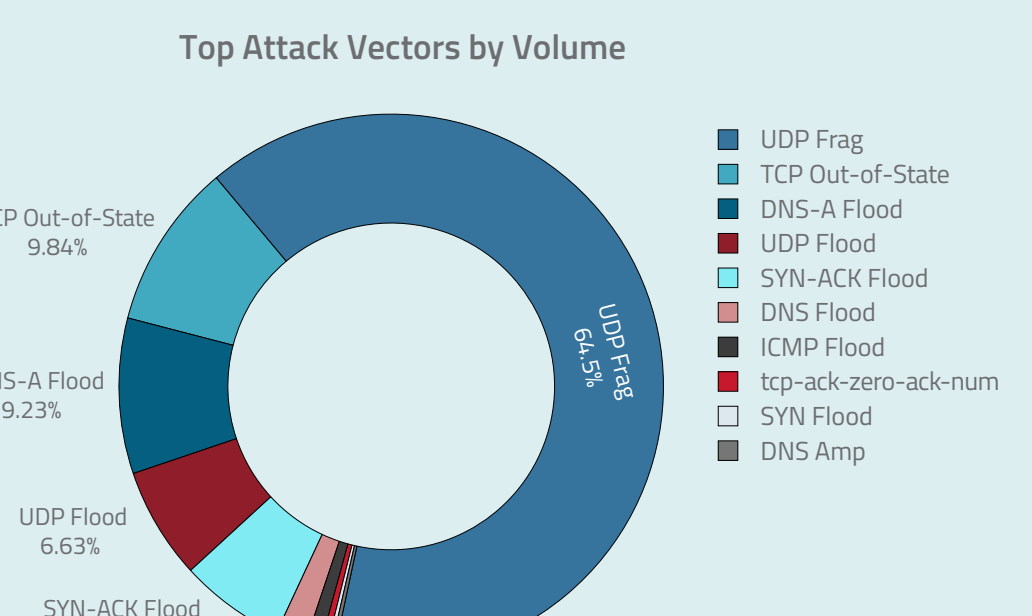
Statistics indicate these attacks have continued to rise throughout 2023.



Stat:

127% Average growth of network-layer attack volume per organization per month between 2023 and 2024.

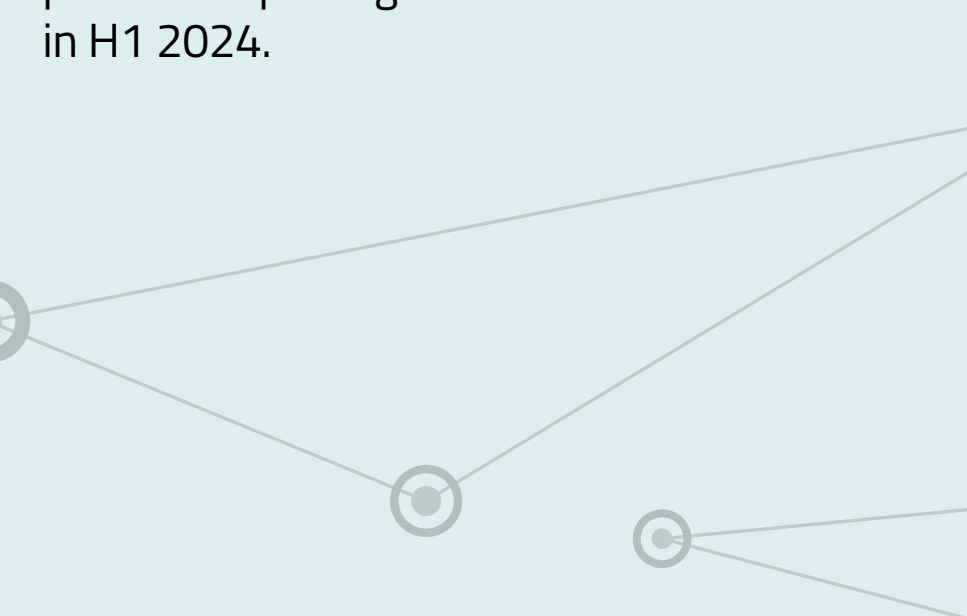
Overview:



Attack:

Radware's Cloud DDoS Protection Services mitigated an average network-layer attack volume of

1.23TB per month per organization in H1 2024.



Trend 3: Application-layer DNS DDoS Attack Activity

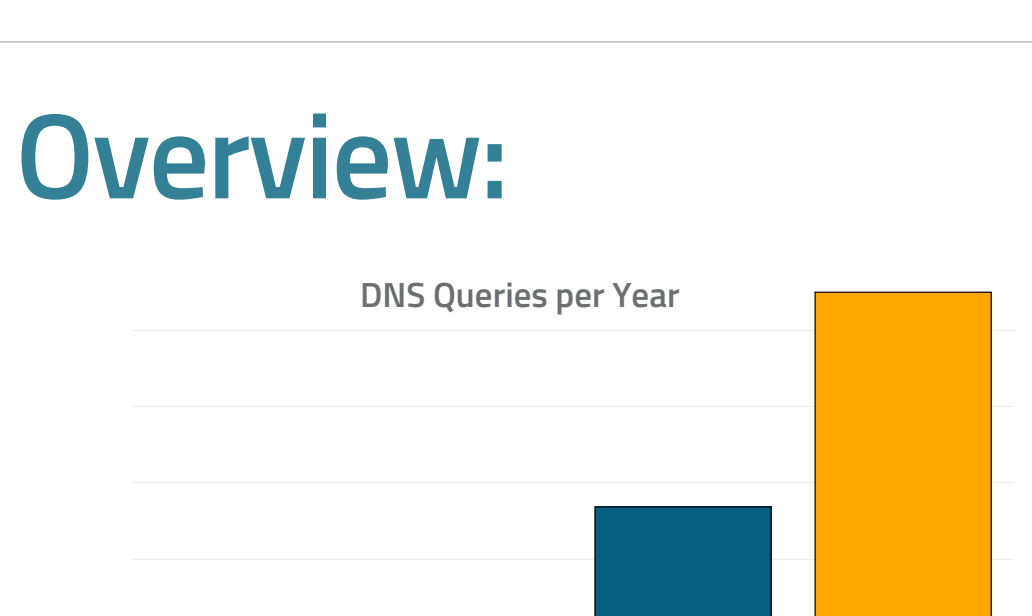
DNS services subjected to cyberattacks such as DoS or DDoS face catastrophic, business-halting disruption.



Stat:

4X Rise in DNS DDoS attack activity between H1 2023 and H1 2024.

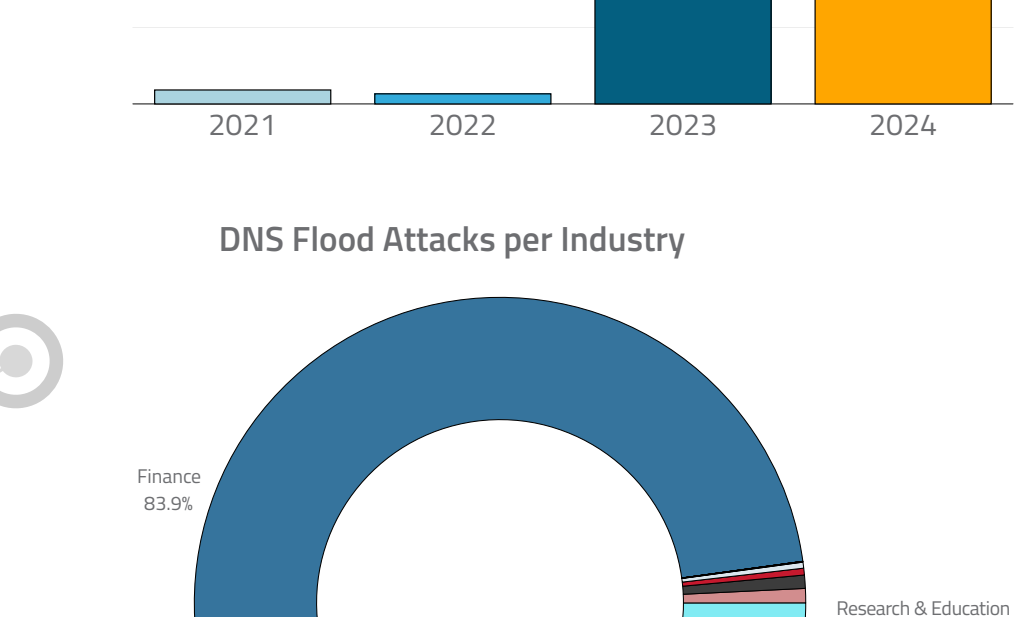
Overview:



Attack:

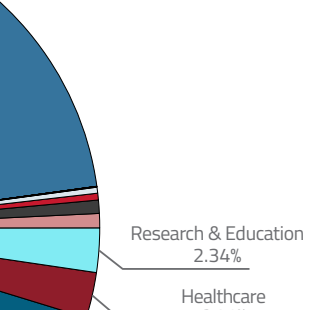
The number of malicious DNS queries in the first half of 2024 increased by

76% compared to all malicious DNS queries in 2023.



Trend 4: Web Application and API Attack Activity

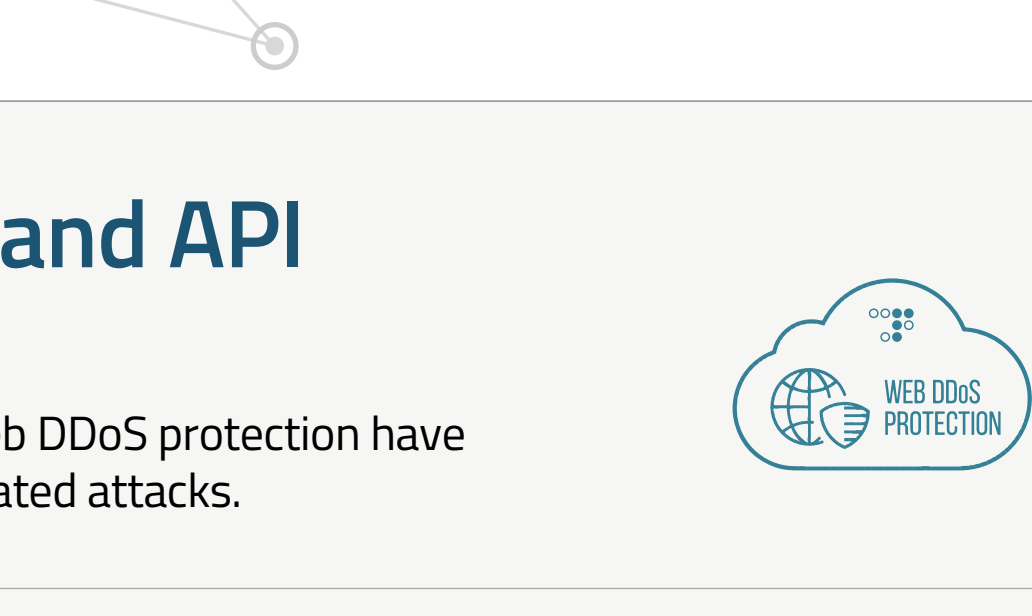
Radware Cloud Protection Services' new layer of Web DDoS protection have improved efficiency in blocking high-scale, sophisticated attacks.



Stat:

22% Increase in web application and API attacks in H1 2024 compared to H2 2023.

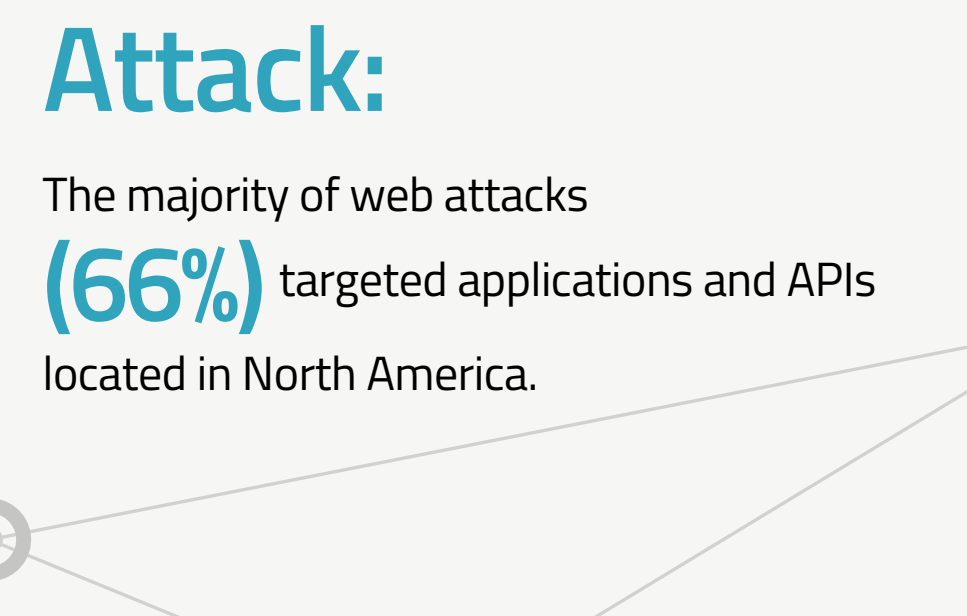
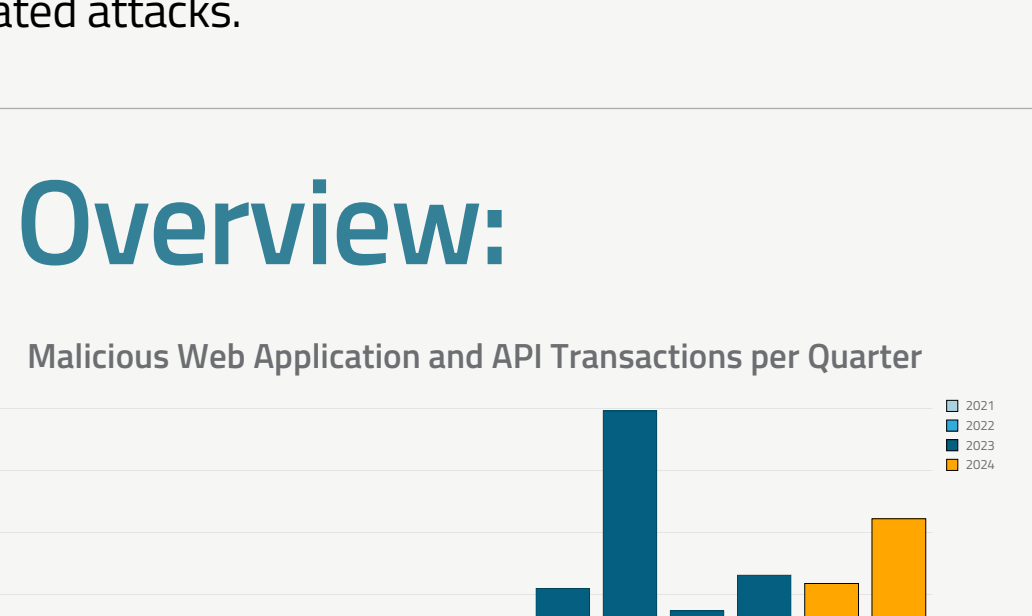
Overview:



Attack:

The majority of web attacks

(66%) targeted applications and APIs located in North America.



Trend 5: Bad Bot Activity

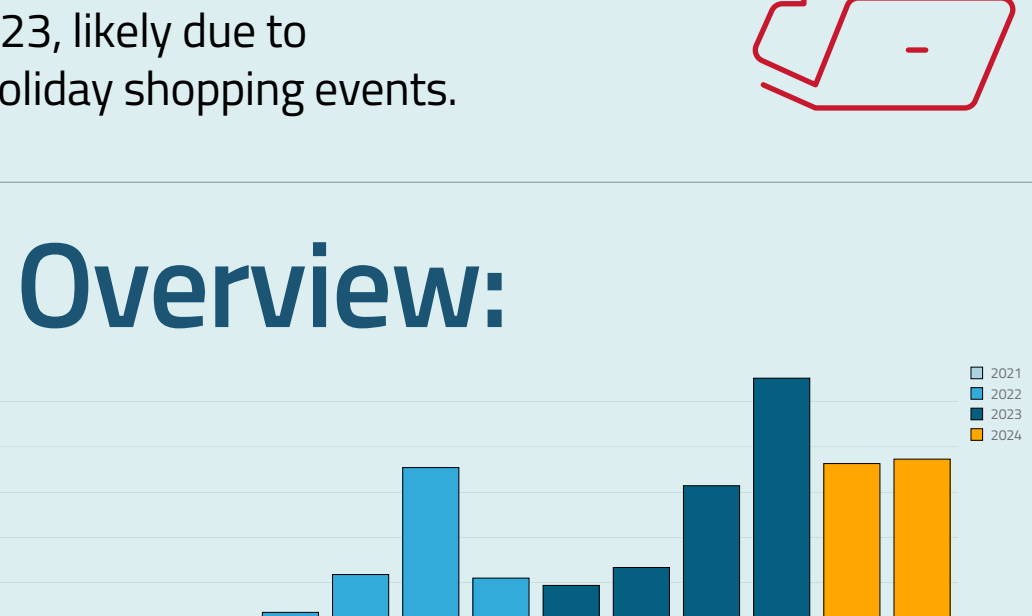
Bot activity dropped in H1 2024 compared to H2 2023, likely due to seasonal bias like Black Friday, Cyber Monday and holiday shopping events.



Stat:

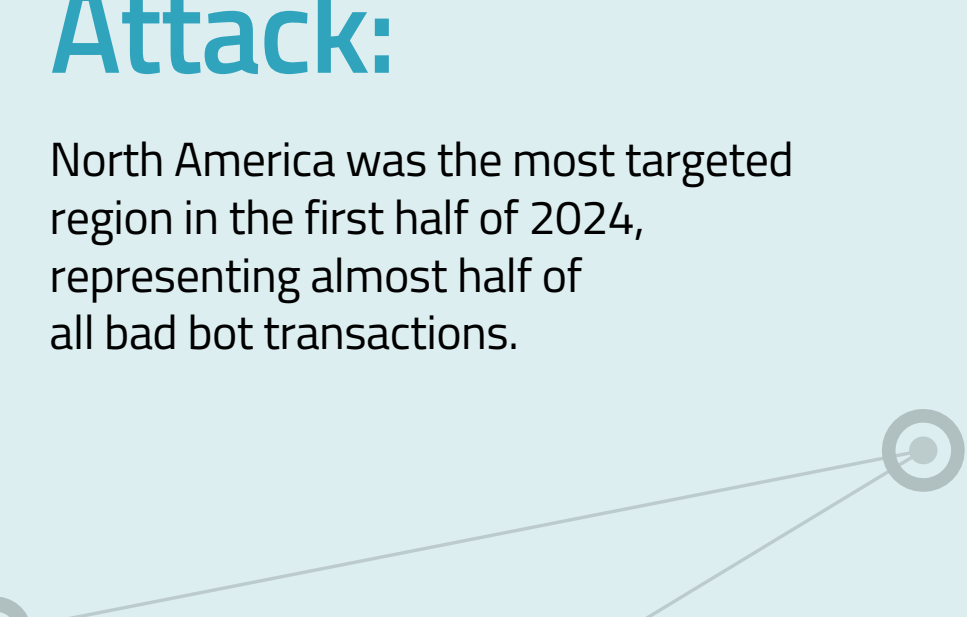
61.25% Increase in bad bot transactions (H1 2004 compared to H1 2023).

Overview:



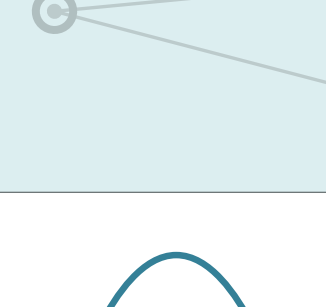
Attack:

North America was the most targeted region in the first half of 2024, representing almost half of all bad bot transactions.



Trend 6: Hactivist DDoS Attack Activity

Hactivists are using technology to advance their cause and to challenge those they believe are acting against it.



Stat:

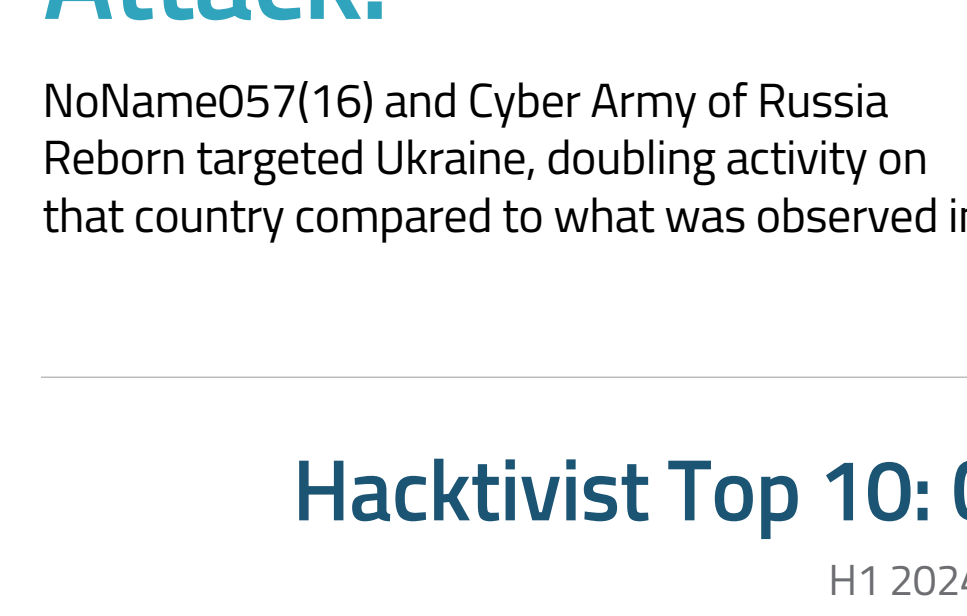
6,580 DDoS attacks claimed by threat actors on Telegram during the first half of 2024.

Overview:



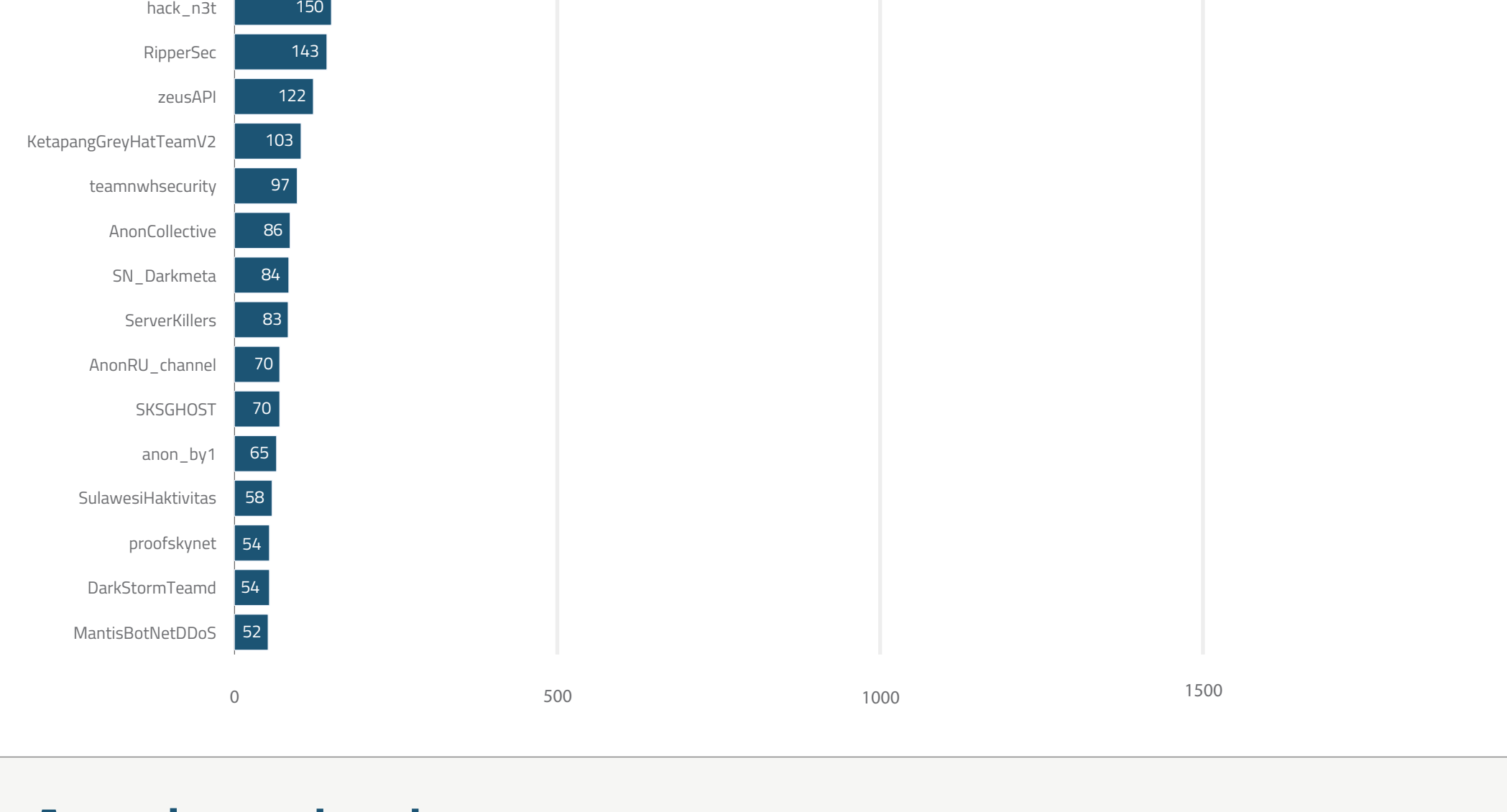
Attack:

NoName057(16) and Cyber Army of Russia Reborn targeted Ukraine, doubling activity on that country compared to what was observed in 2023.



Hactivist Top 10: Claimed Attacks per Actor

H1 2024, 50 attacks or more



Attack motivations:

