



The DDoS Threat Landscape Report

CHI-NOG 10

Issue 9: 2022-H1

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At a Glance...

ATTACK COUNT

6,019,888

A decrease of 2% from
2021-2H

MAX BANDWIDTH

957.9 Gbps

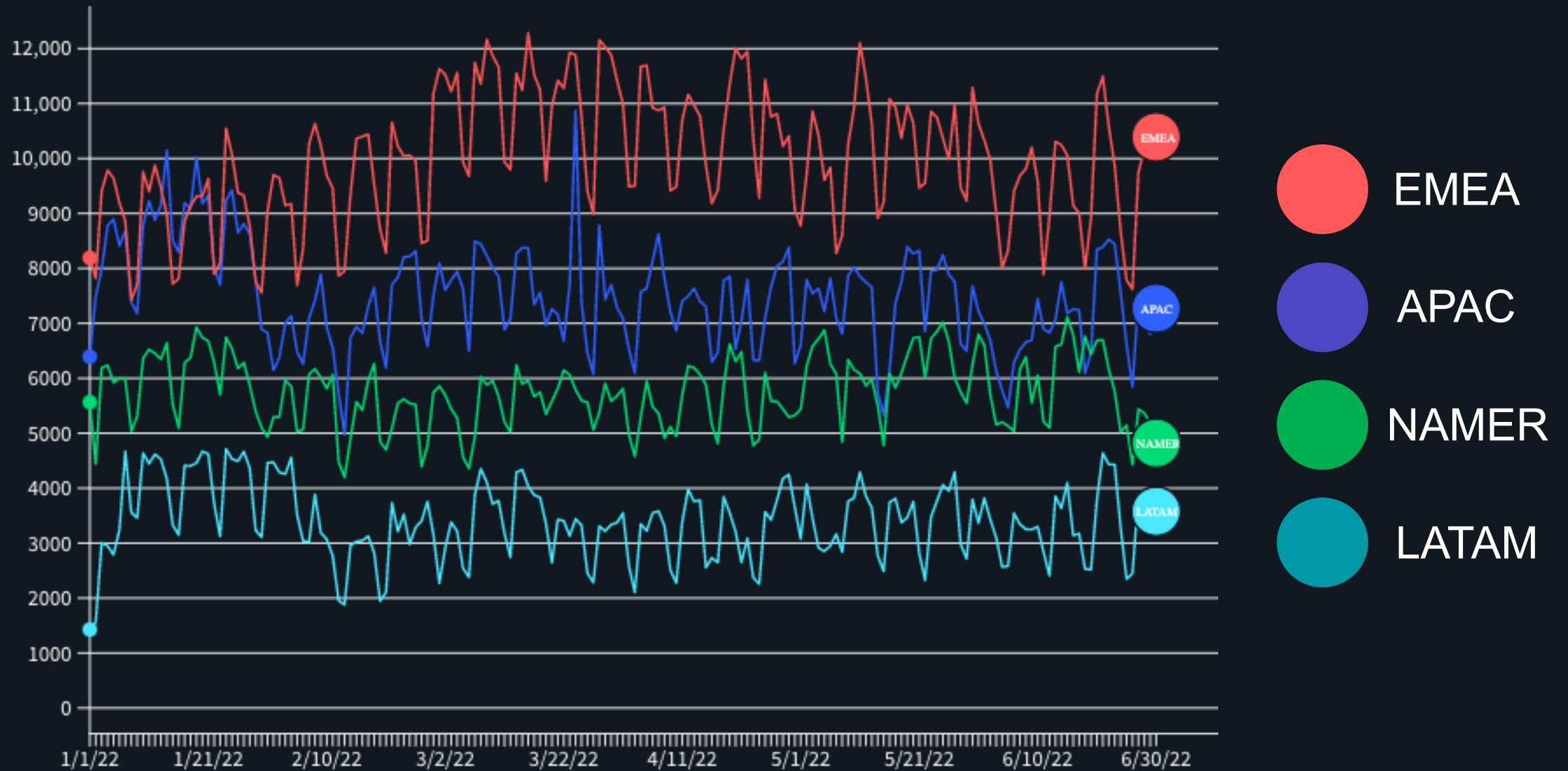
MAX THROUGHPUT

284.4 Mpps

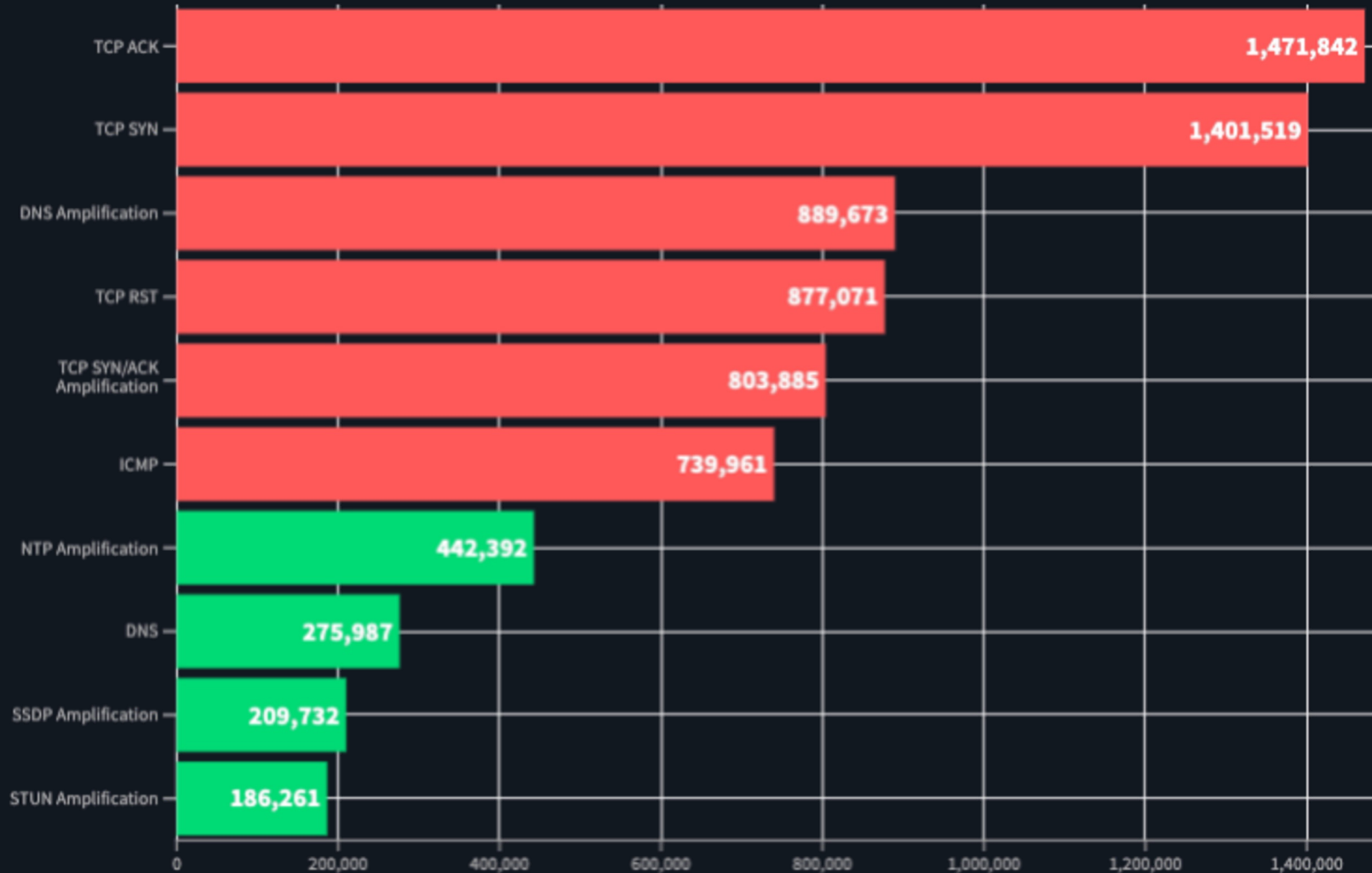
TOP VECTORS

1. TCP ACK
2. TCP SYN
3. DNS Amp
4. TCP RST
5. TCP SYN/ACK Amp

Daily Attack Frequency



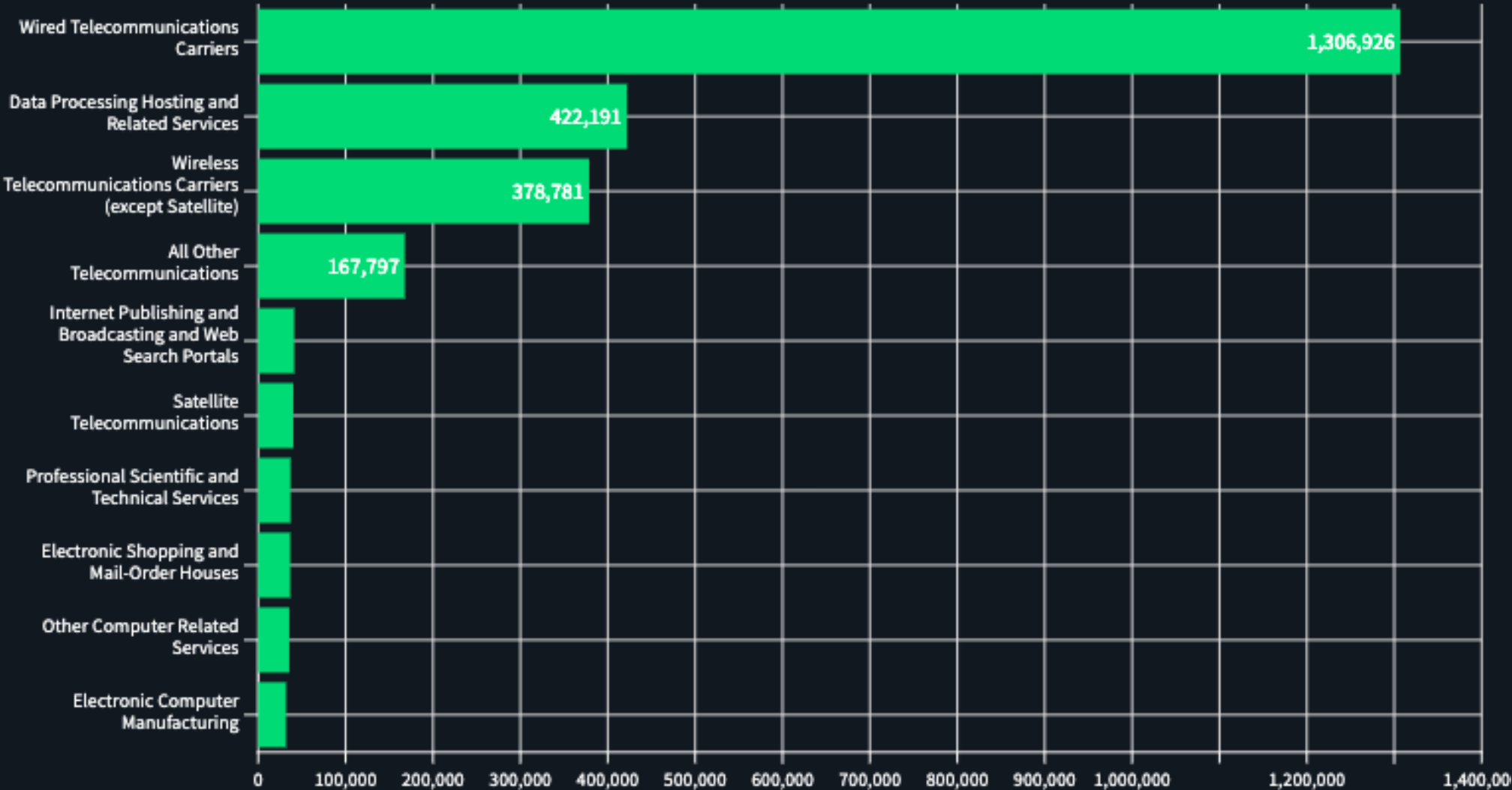
DDoS Global Attack Trends – 2022-H1



VECTOR CHANGES FROM 2021-H2

- TCP ACK **+11%**
- TCP SYN **+20%**
- DNS AMP **-31%**
- TCP RST **+10%**
- TCP SYN/ACK AMP **+21%**

Top Industries Targeted – 2022-H1



The APAC Perspective



NETSCOUT
VISIBILITY

APAC Data was drawn from...

35+

Countries

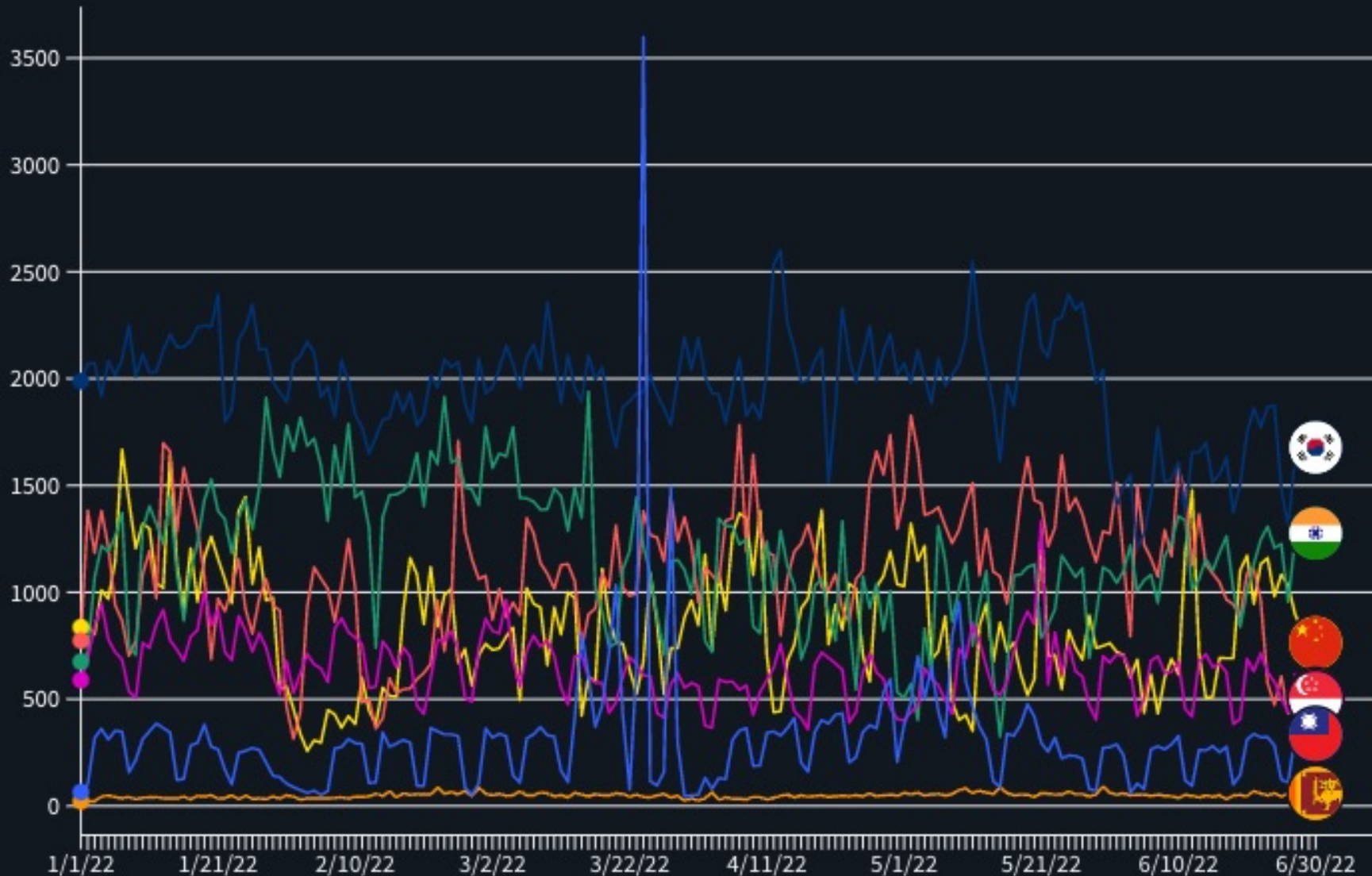
55+

Industry Verticals

4,500+

Autonomous System Numbers (ASNs)

Daily Attacks by Country - APAC



South Korea accounted for 26% of all attacks in APAC



Taiwan experienced nearly 3,600 attacks coinciding with public remarks in support of Ukraine

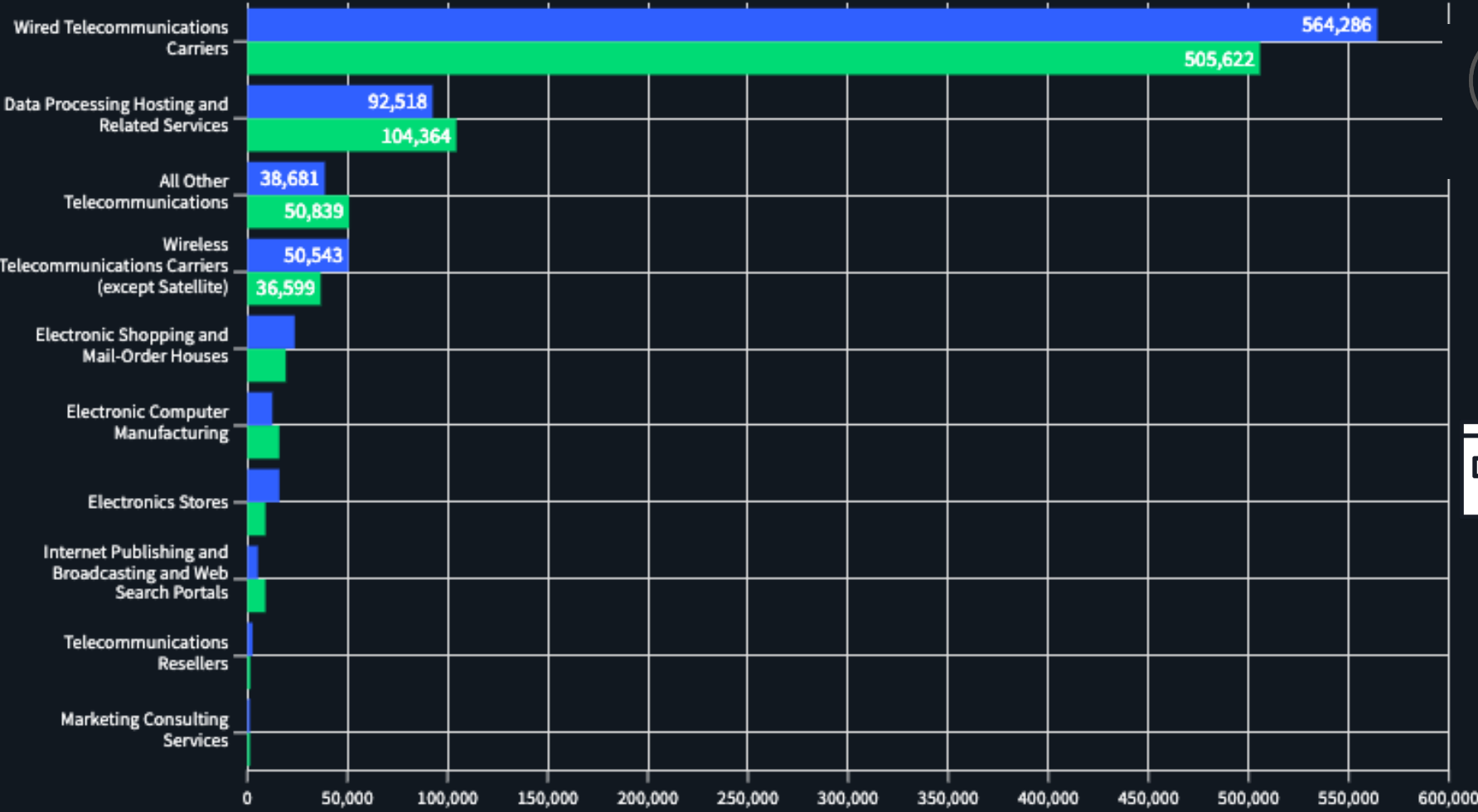


Attacks in Hong Kong and China follow also coincided with fluctuations in regional and global tensions.



Top Industries Targeted - APAC

2H 2021 1H 2022



All Other Telecommunications (think VoIP) experienced a 59% increase in 2021 and another 31% increase in 2022



Internet Publishing & Broadcasting (Zoom, Netflix, etc.) experienced a 72% increase, a move contrary to the global trend of a decrease.

The EMEA Perspective



NETSCOUT
VISIBILITY

APAC Data was drawn from...

128

Countries &
Territories

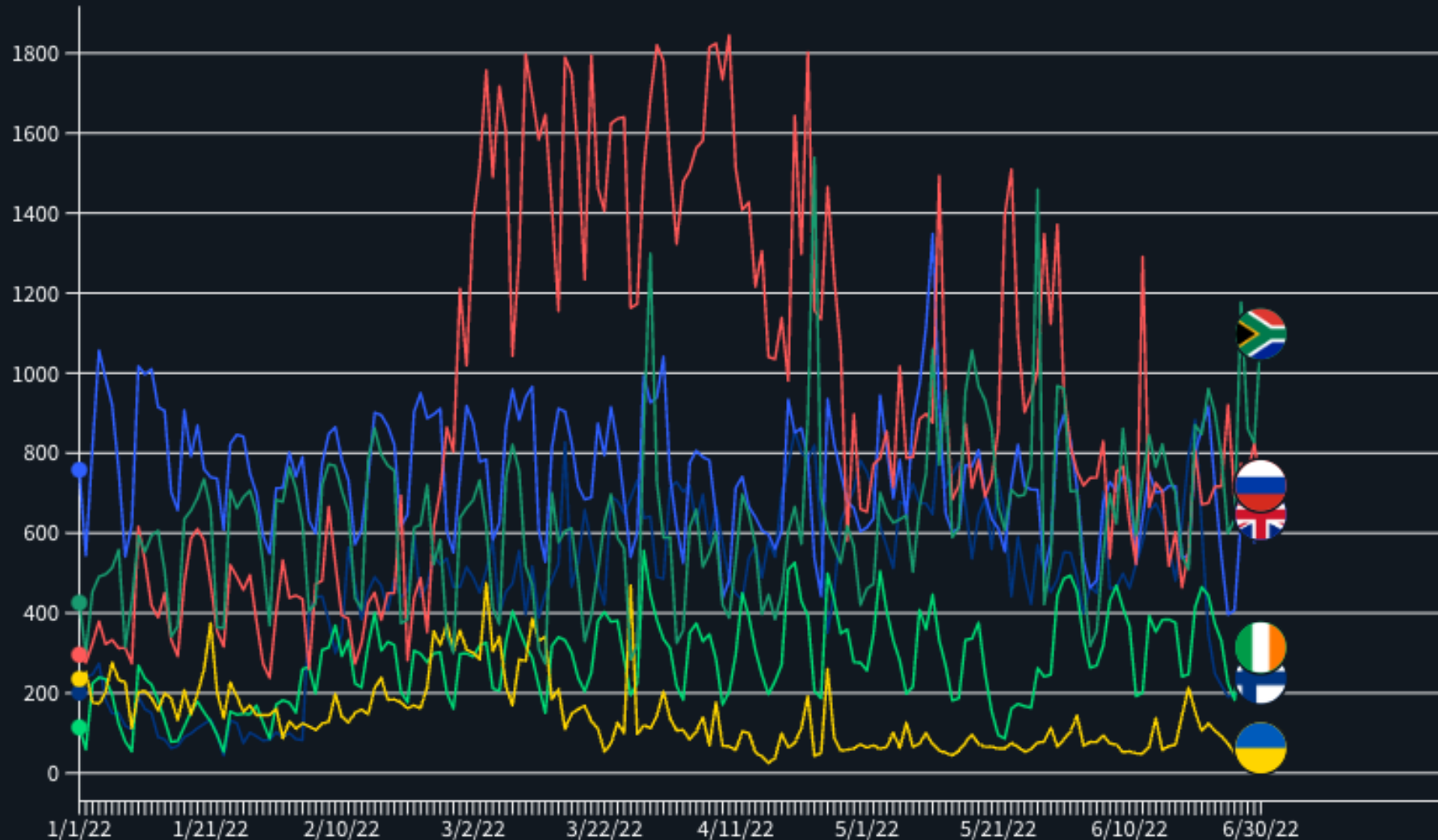
150+

Industry Verticals

13,500+

Autonomous System Numbers (ASNs)

Daily Attacks by Country - EMEA



Attacks in South Africa started to rise in May and ended the period as the highest daily total of the top attacked countries in EMEA.

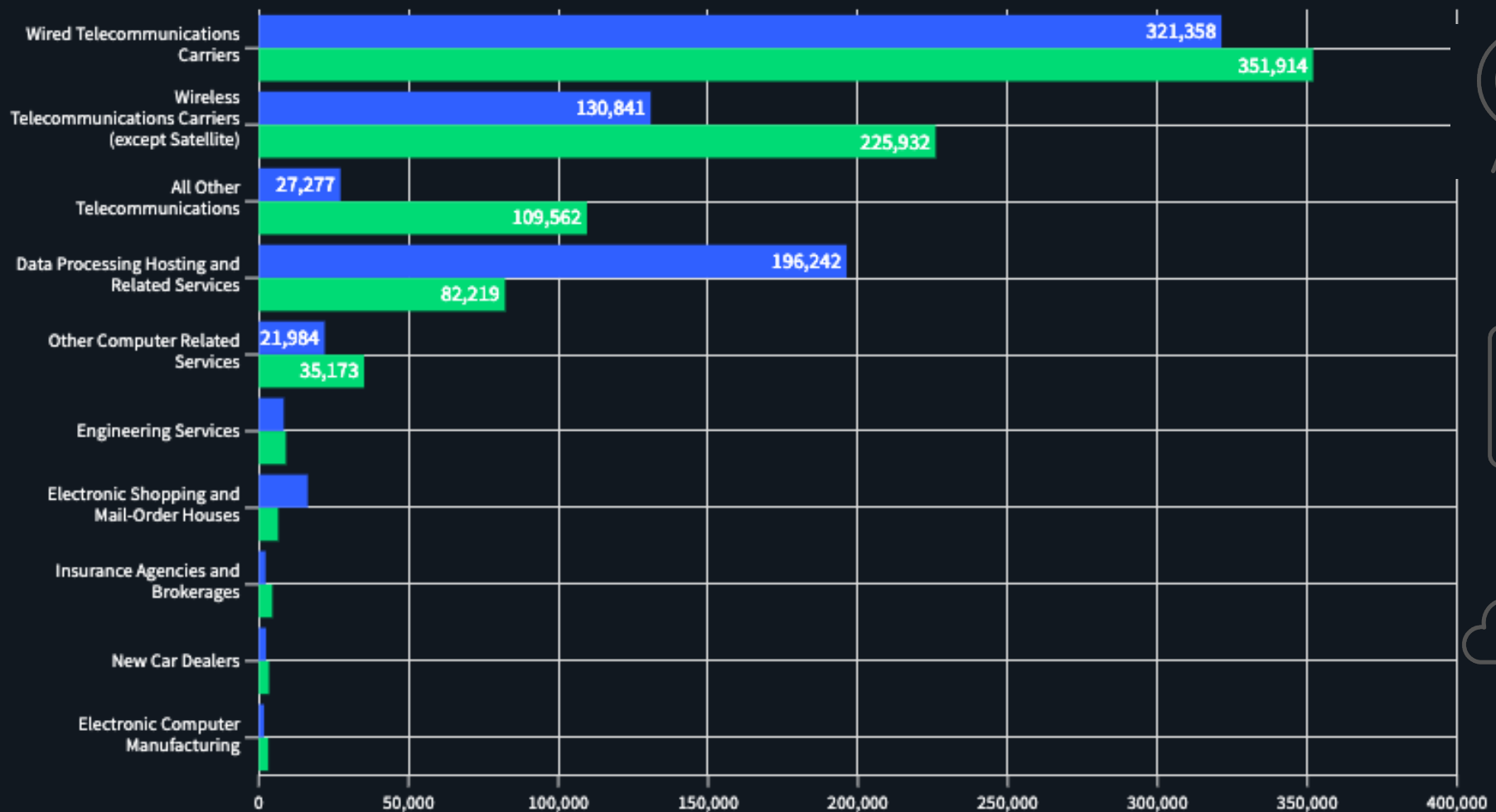


Russia experienced a 3x sustained increase in attacks since the start of the year.



Top Industries Targeted - APAC

● 2H 2021 ● 1H 2021



All Other Telecommunications (think VoIP) experienced a 302% increase.



Wireless Telecommunications experienced a 73% increase;



While Data Processing, Hosting, and Related Services (cloud) experienced a 58% decrease.

The LATAM Perspective



NETSCOUT
VISIBILITY

LATAM Data was drawn from...

40+

**Countries &
Territories**

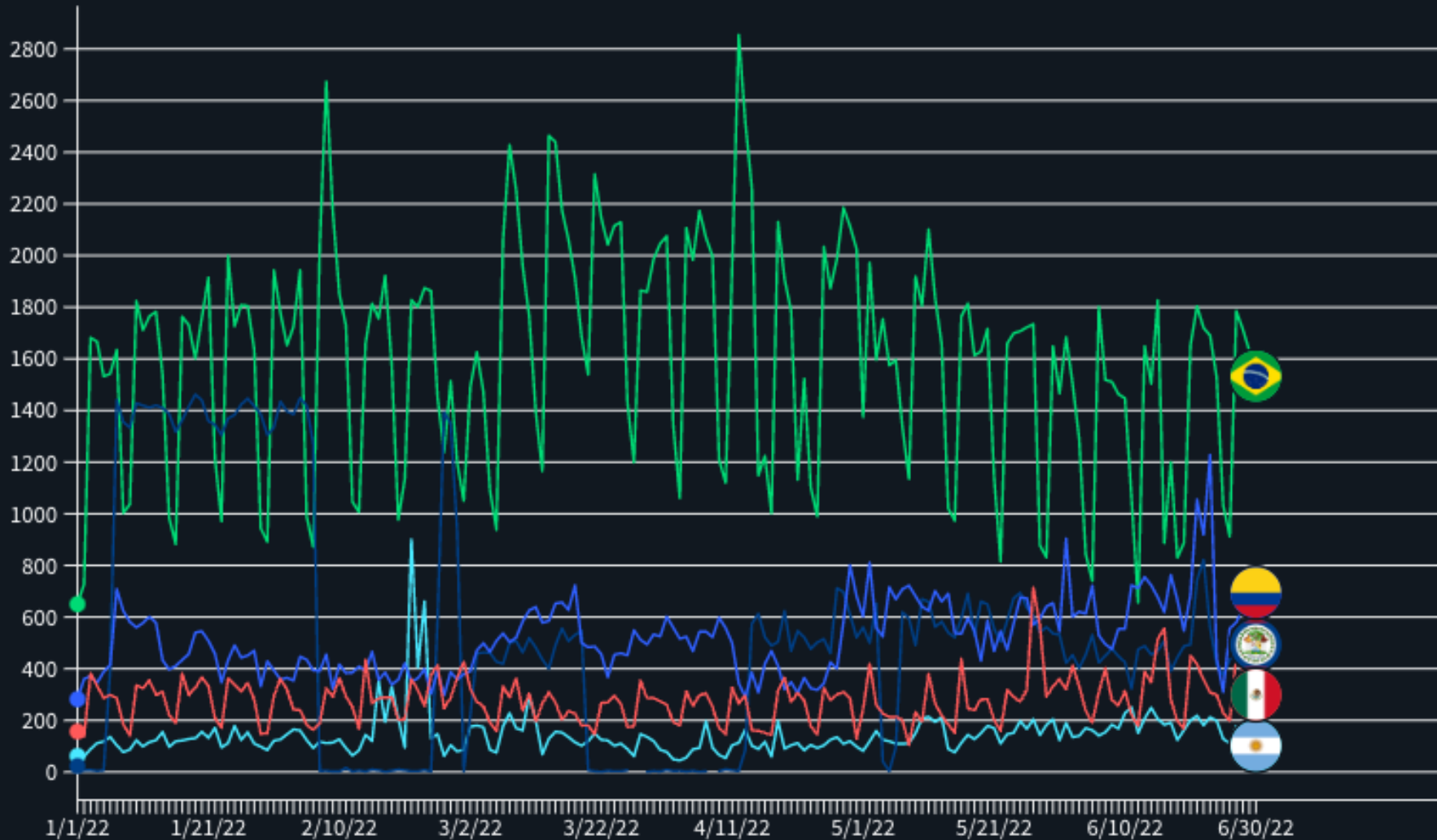
60

Industry Verticals

9,000+

Autonomous System Numbers (ASNs)

Daily Attacks by Country - LATAM



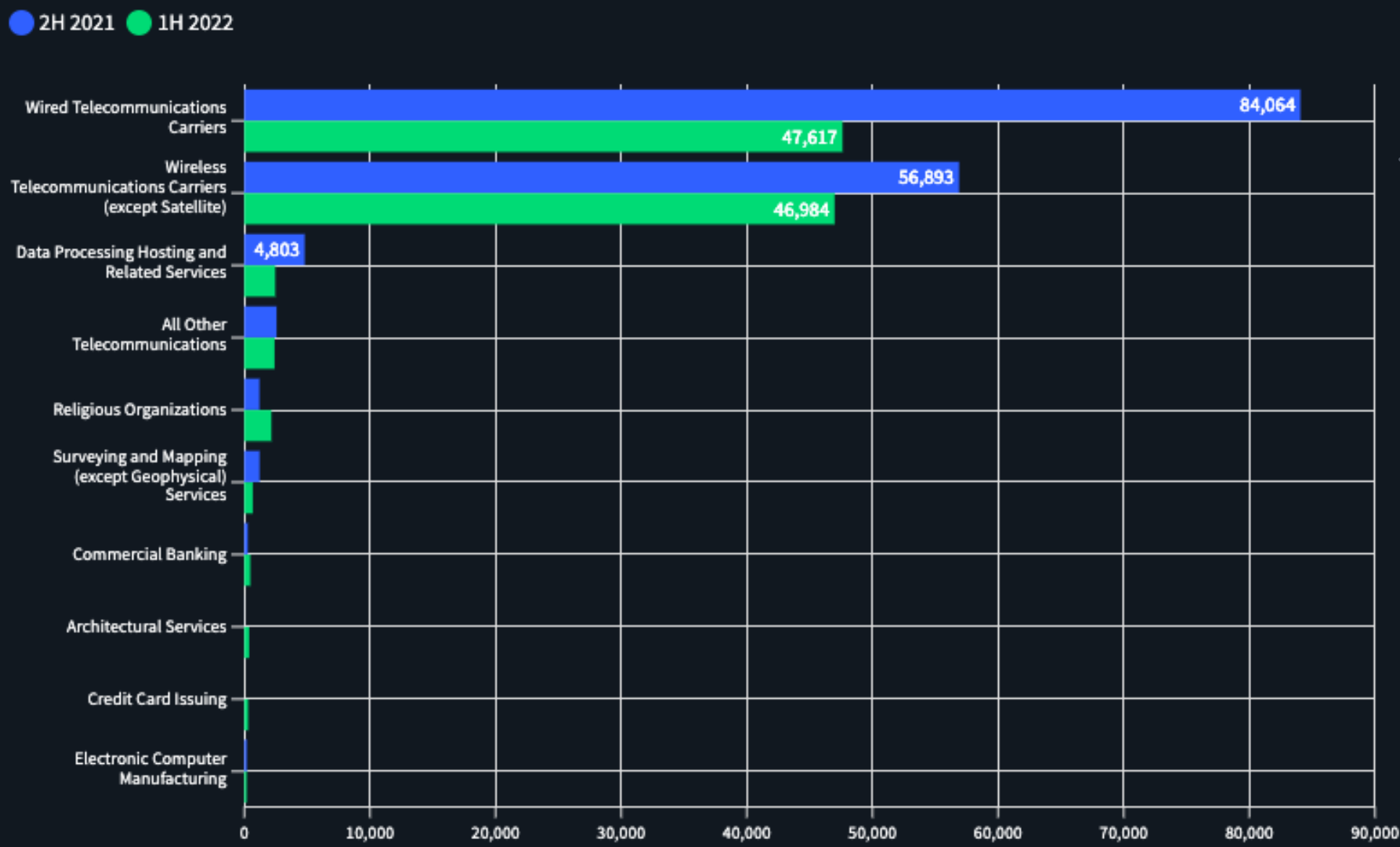
Brazil accounts for more than 50% of all daily attacks in LATAM.



Attacks surges in Columbia coincided with their presidential election and the subsequent runoff election.



Top Industries Targeted - LATAM



Religious organizations in Brazil saw a significant increase in TCP-based attacks sourced from botnets.



Commercial banking experienced a 63% increase in attacks while credit card issuers came into focus with hundreds of attacks for the first time.

The NAMER Perspective



NETSCOUT
VISIBILITY

NAMER Data was drawn from...

4

Countries

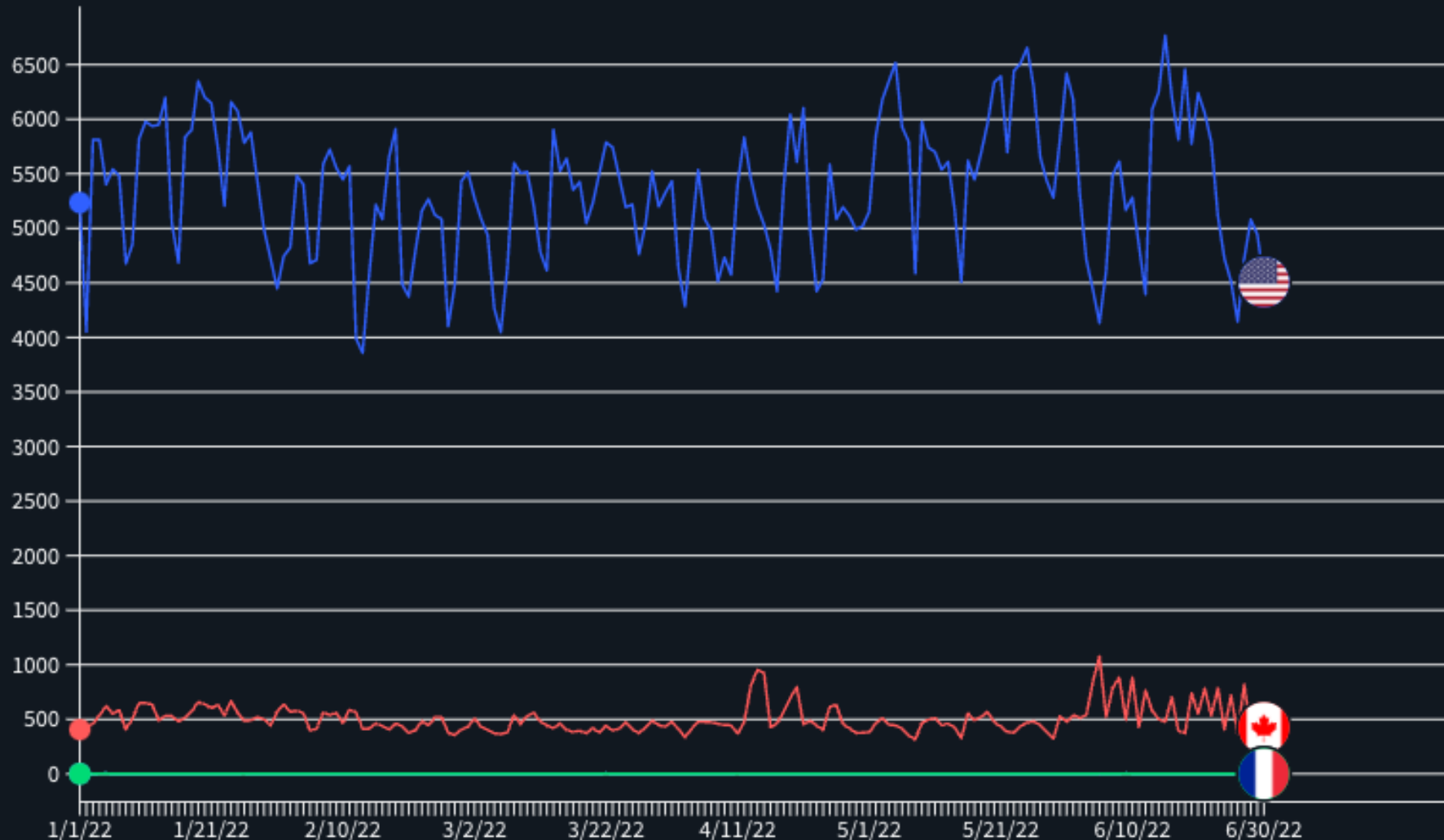
150+

Industry Verticals

5,785

Autonomous System Numbers (ASNs)

Daily Attacks by Country - NAMER



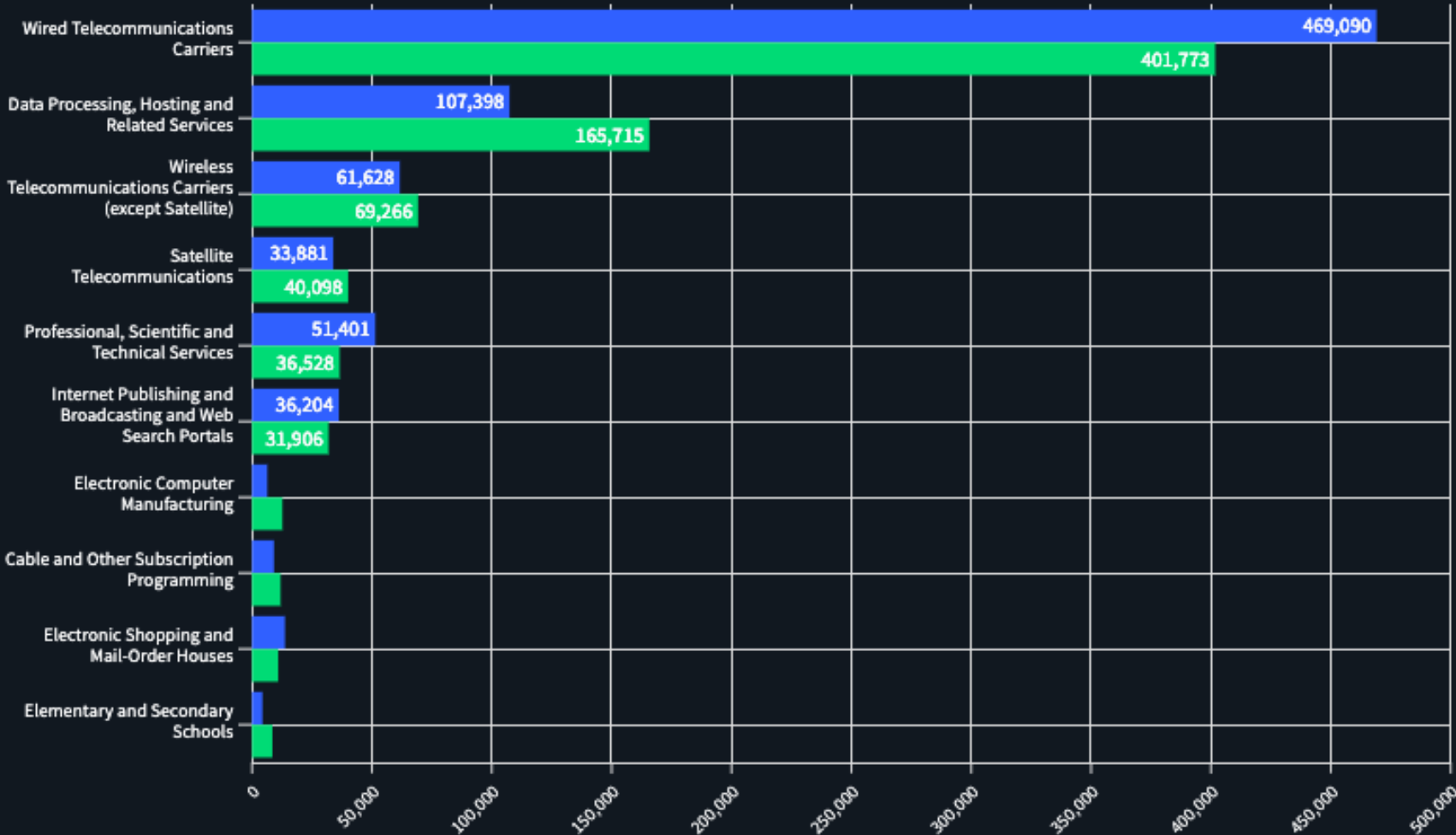
While Canada does account for some of the attacks against NAMER, the vast majority are against entities in the United States of America.



- The increase in attacks beginning in March coincides with an uptick in attacks on satellite telecommunications and cloud hosting providers in the USA.

Top Industries Targeted - NAMER

2H 2021 1H 2021



Cloud hosting providers experienced a 54% increase in attacks.

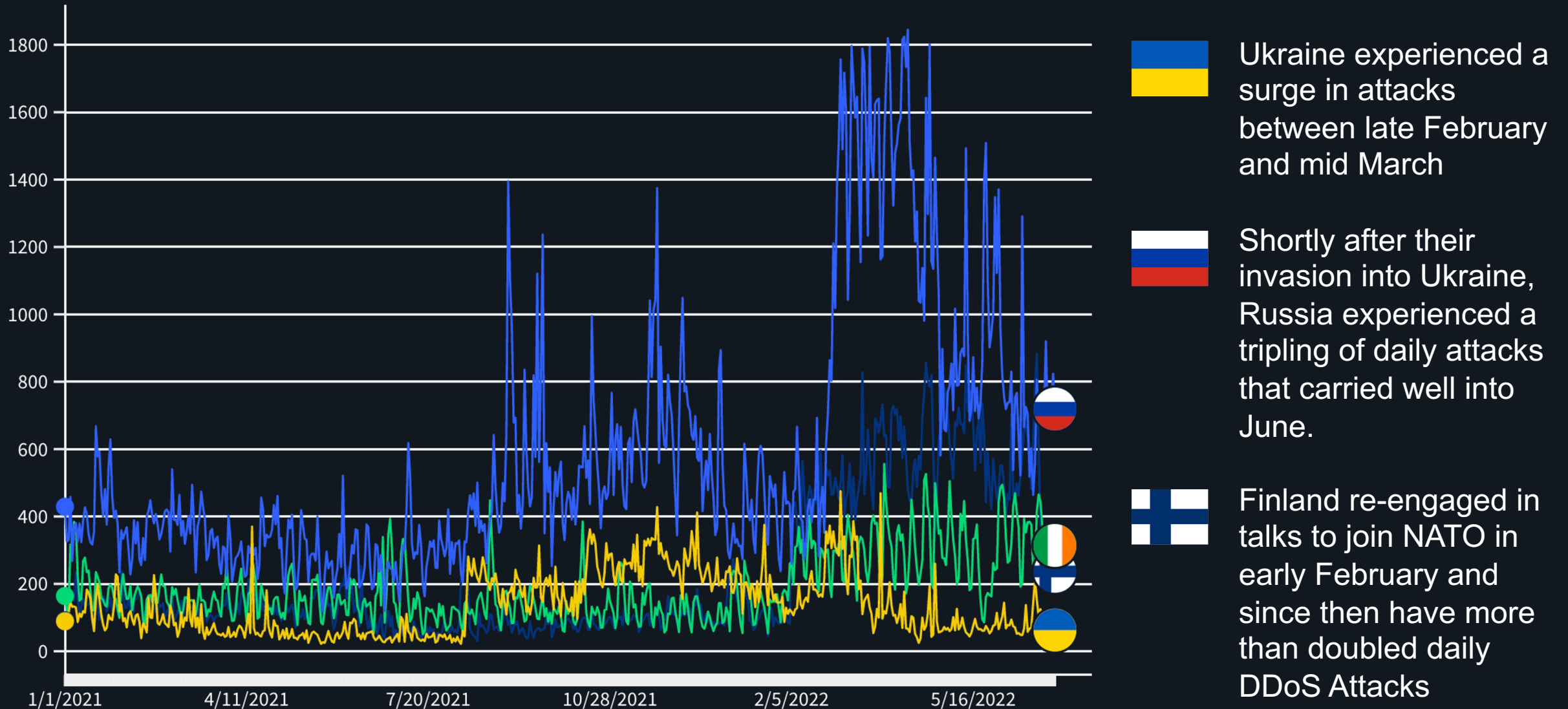


Satellite Telecommunications witnessed an 18% increase in attacks.



Elementary Education was hit hard in the first half of the year with a 95% increase in attacks, largely sourced from free attack tools and services.

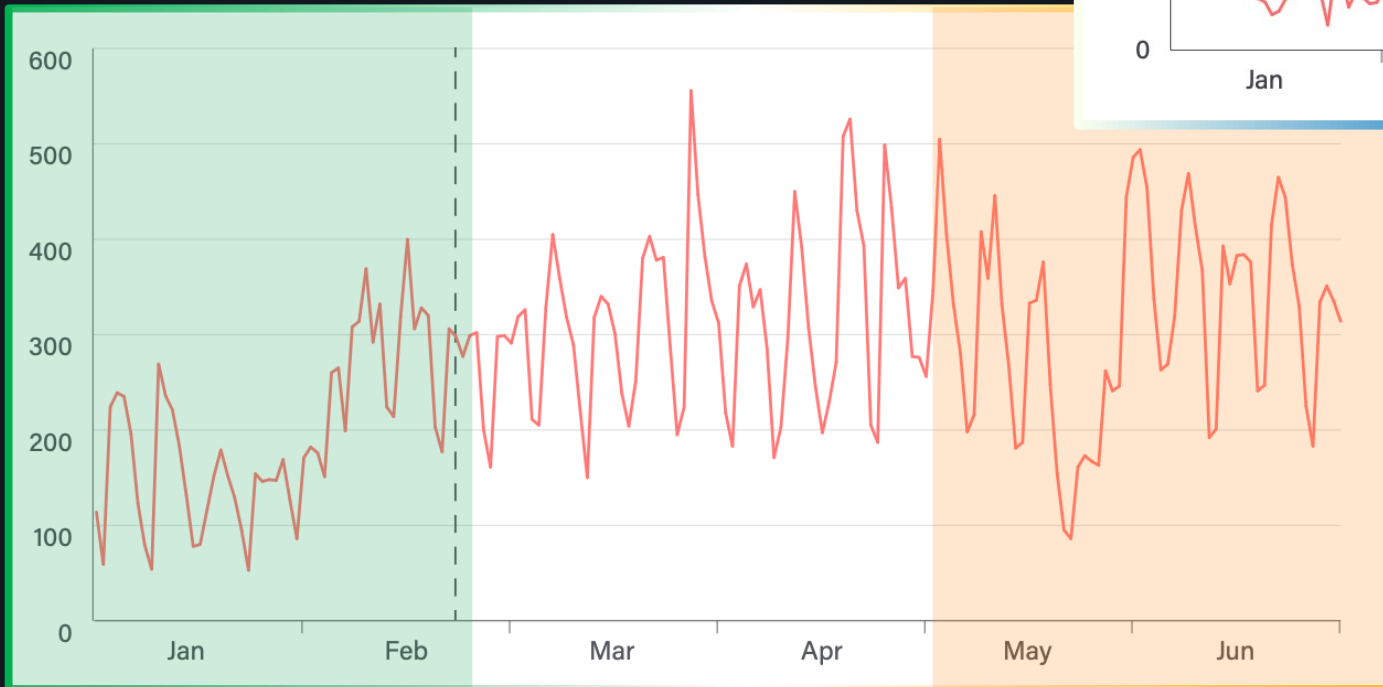
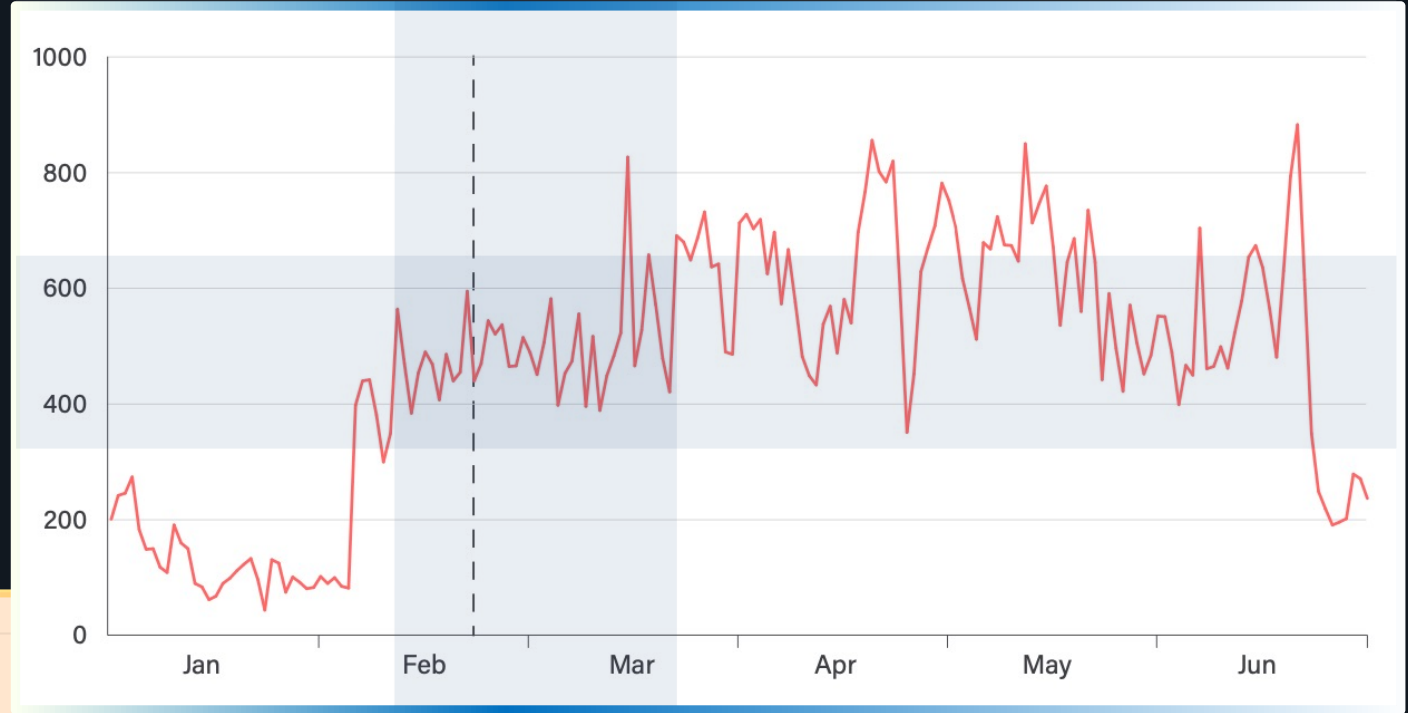
Russia, Ukraine, and the Ripple Effect



The Ripple Effect



Finland re-engaged in discussions to join NATO with rumors of Russia's invasion into Ukraine and confirmed commitment following ground operations.



Ireland experienced a sustained and significant increase in attacks as Ukrainian infrastructure was offloaded to the country.

Thank you.

If you have any questions about the material presented,
please feel free to send email to discuss!

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