



KEY METRICS FROM THE 1H 2021 NETSCOUT THREAT INTELLIGENCE REPORT

# EGYPT

The massive shift to online life triggered by the COVID-19 pandemic prompted record-breaking levels of innovation by threat actors, and NETSCOUT's ATLAS Security Engineering and Response Team (ASERT) expects this long tail of attacker innovation to last well into 2021.

Bad actors launched approximately 5.4 million DDoS attacks in 1H 2021—yet another record-breaking number. In particular, attackers launched unprecedented numbers of DDoS attacks in the first quarter, boosting attack frequency by 20 percent over the same time period in 2020. Meanwhile, adversaries discovered or weaponized seven UDP reflection/amplification DDoS attack vectors and developed adaptive multivector attacks specifically tailored to exploit vulnerabilities of their targets. Vital components of the connectivity supply chain came under increased attack, while ransomware gangs added triple-extortion DDoS tactics to their repertoire and the Fancy Lazarus threat actor launched a new DDoS extortion campaign.

### Max Multivector Attack

Max number of vectors seen in a single attack

# 20

#### ATTACK VECTORS USED

1. BitTorrent amplification
2. CLDAP amplification
3. DNS
4. DNS amplification
5. ICMP
6. L2TP amplification
7. MDNS amplification
8. Memcached amplification
9. MSSQLRS amplification
10. NetBIOS amplification
11. NTP amplification
12. RIPv1 amplification
13. SNMP amplification
14. SSDP amplification
15. STUN amplification
16. TCP ACK
17. TCP NULL
18. TCP RST
19. TCP SYN
20. TCP SYN/ACK amplification

### Top 5 Attack Vectors

<b>Ta</b> TCP ACK	<b>Ts</b> TCP SYN	<b>Im</b> ICMP	<b>Tr</b> TCP RST	<b>Dn</b> DNS amp
NUMBER OF ATTACKS 23,113	NUMBER OF ATTACKS 4,141	NUMBER OF ATTACKS 4,137	NUMBER OF ATTACKS 3,804	NUMBER OF ATTACKS 3,562

### DDoS Statistics

Attack Frequency	-69%
Max Throughput	-3%
Average Duration	+10%
Max Attack Size	-65%

### Largest Attack

Size	46.02 Gbps
Speed	5.55 Mpps
Duration	8,941 Seconds

### Max Peak Throughput

Date	01/01/2021
Max Throughput	79 Mpps









### Max Peak Bandwidth

Date	03/01/2021
Max Bandwidth	90 Gbps



## Top Vertical Industries Under Attack

The following chart shows a sampling of the most targeted sectors in 1H 2021 by number of attacks.

RANK	VERTICAL	FREQUENCY	MAX ATTACK	MAX IMPACT	AVERAGE DURATION
1	 <b>Wired Telecommunications Carriers</b>	1,358	73.54 Gbps	15.88 Mpps	65.6 Minutes
2	 <b>Wireless Telecommunications Carriers (except Satellite)</b>	1,185	15.64 Gbps	33.30 Mpps	29.0 Minutes
3	 <b>Data Processing, Hosting + Related Services</b>	89	1.10 Gbps	1.26 Mpps	236.7 Minutes
4	 <b>Internet Publishing, Broadcasting + Web Search Portals</b>	14	0.02 Gbps	0.00 Mpps	48.5 Minutes
5	 <b>All Other Telecommunications</b>	3	0.01 Gbps	0.00 Mpps	93.7 Minutes
6	 <b>Software Publishers</b>	2	0.02 Gbps	0.00 Mpps	29.5 Minutes
7	 <b>Colleges, Universities + Professional Schools</b>	1	0.07 Gbps	0.01 Mpps	11.0 Minutes
8	 <b>Securities + Commodity Exchanges</b>	1	0.01 Gbps	0.00 Mpps	70.0 Minutes

## The Big Picture

Explore the full 1H 2021 NETSCOUT Threat Intelligence Report to find the latest research into trends and activities across the global DDoS threat landscape.

[VIEW THE INTERACTIVE REPORT](#)

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