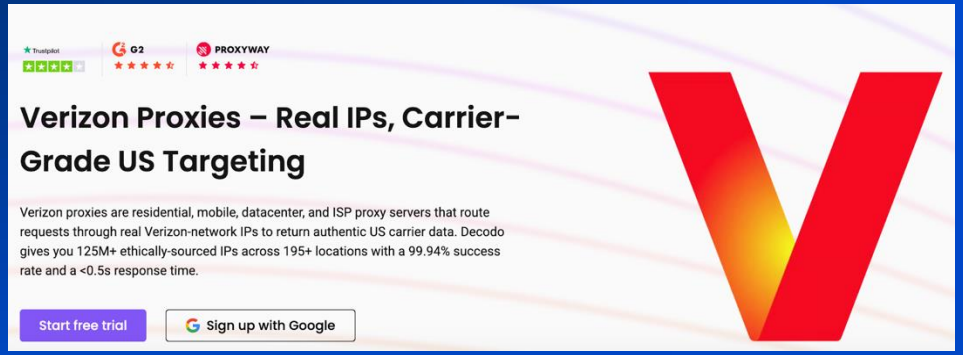
The enemy within
El enemigo en casa

Roberto Oya Luengo
Nokia Deepfield

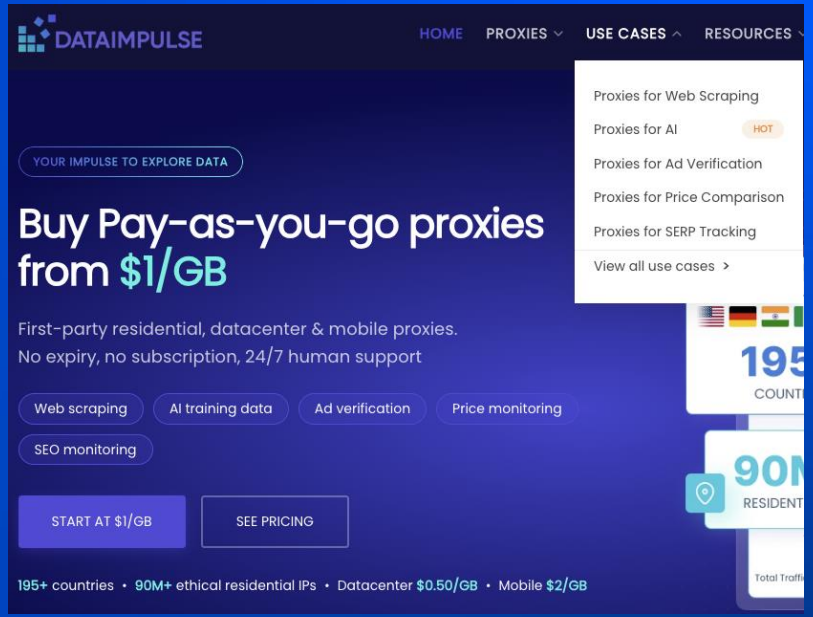


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Residential Proxy services



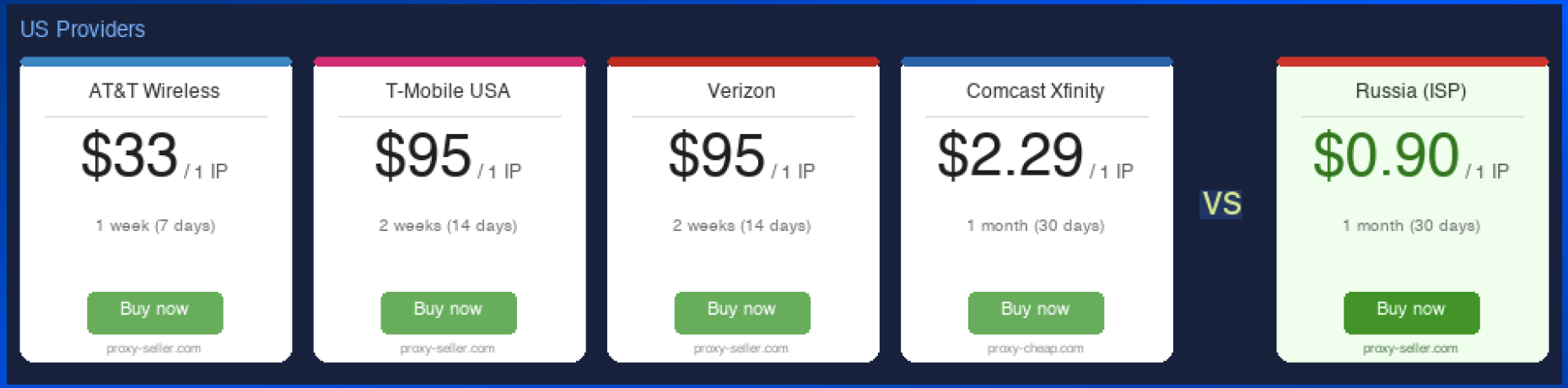




Residental proxy services rent out compromised IP addresses

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Residential Proxy services



Price to rent compromised endpoint for a week. US IP 100x more valuable than Russia!
Part of $4 Billion year market exponentially growing since in 2022

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Who is buying millions of residential/mobile endpoints?





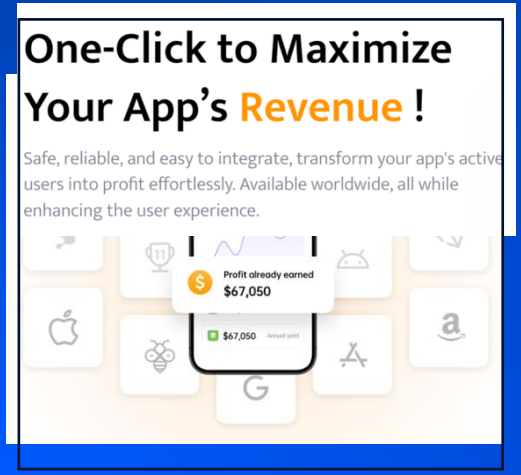
Web sites blocking AI crawlers

AI companies spend billions to hide identity / masquerade as consumer

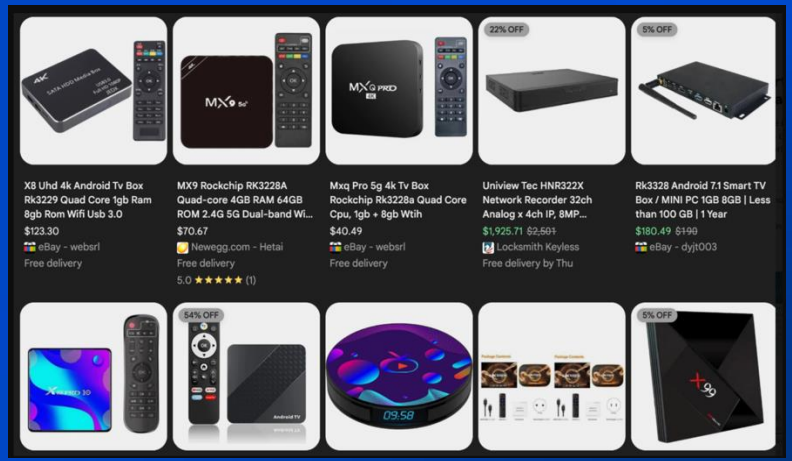
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Residential Proxies threat

- Millions of factory compromised devices
- Applications downloaded from the internet (SDKs are infected)
- Fueled by AI, used as fraud / hacking and DDoS botnets



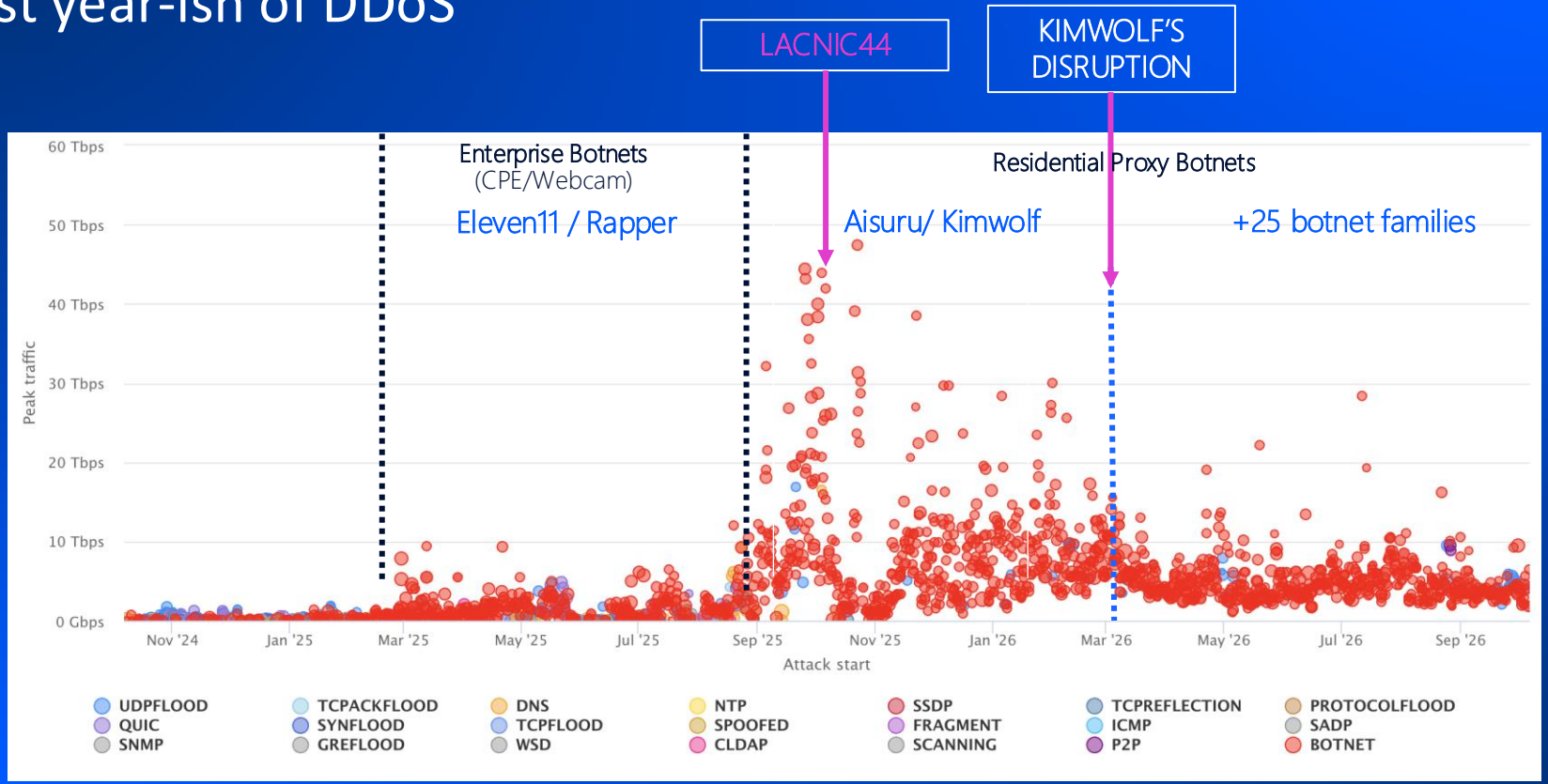
Attacks from laptop/smartphones (SDKs downloaded)



Attacks from factory-compromised Android devices

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Last year-ish of DDoS

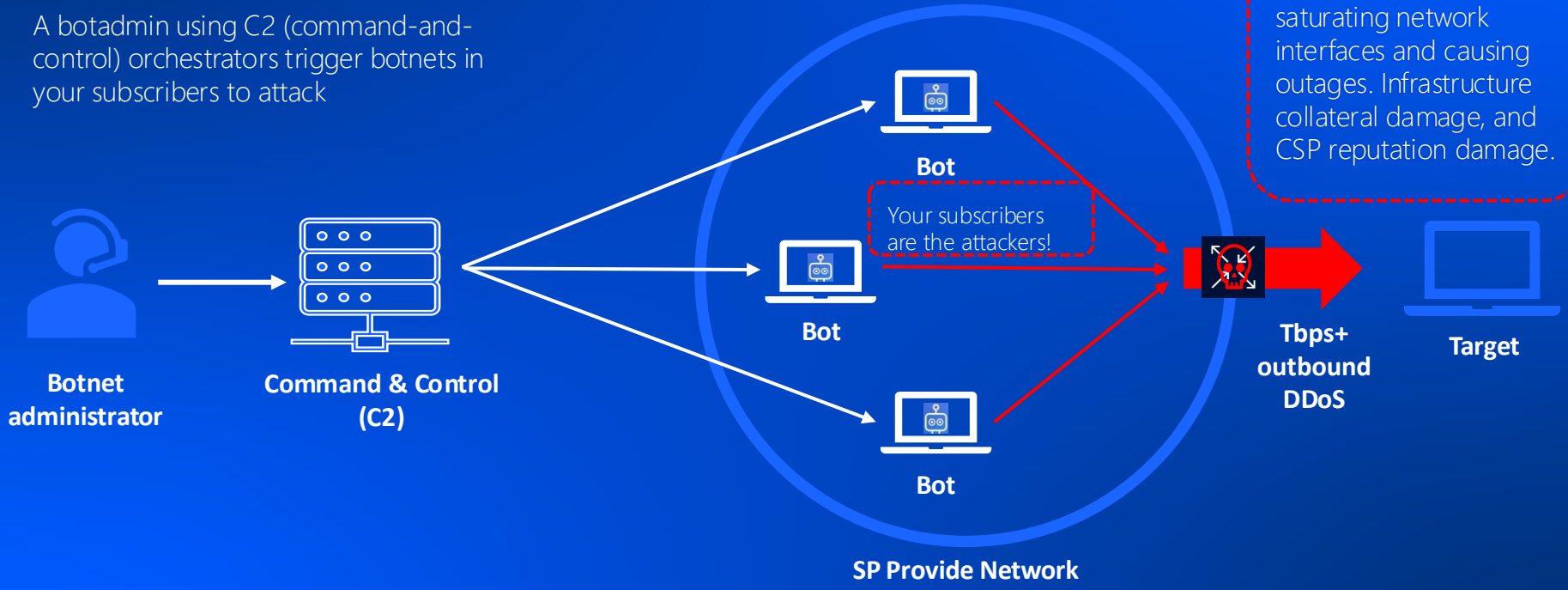


Each circle represents discrete attack > 600 Gbps. Bps value max 1m moving avg. Data from collaborating ISP / hosting

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Residential Proxy botnets Outbound DDoS problem

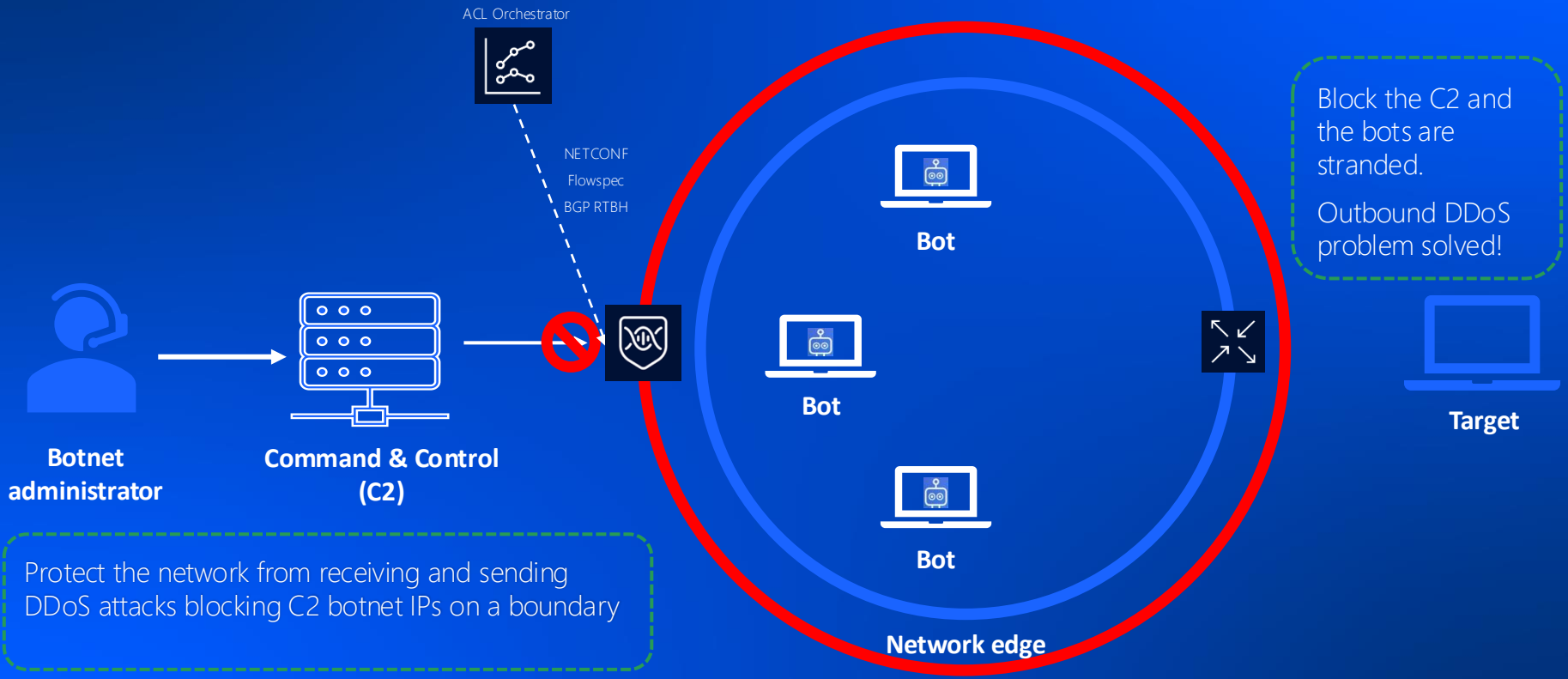
A botadmin using C2 (command-and-control) orchestrators trigger botnets in your subscribers to attack



Outbound DDoS is saturating network interfaces and causing outages. Infrastructure collateral damage, and CSP reputation damage.

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The solution: Botnet C2 disruption at the edge of the network



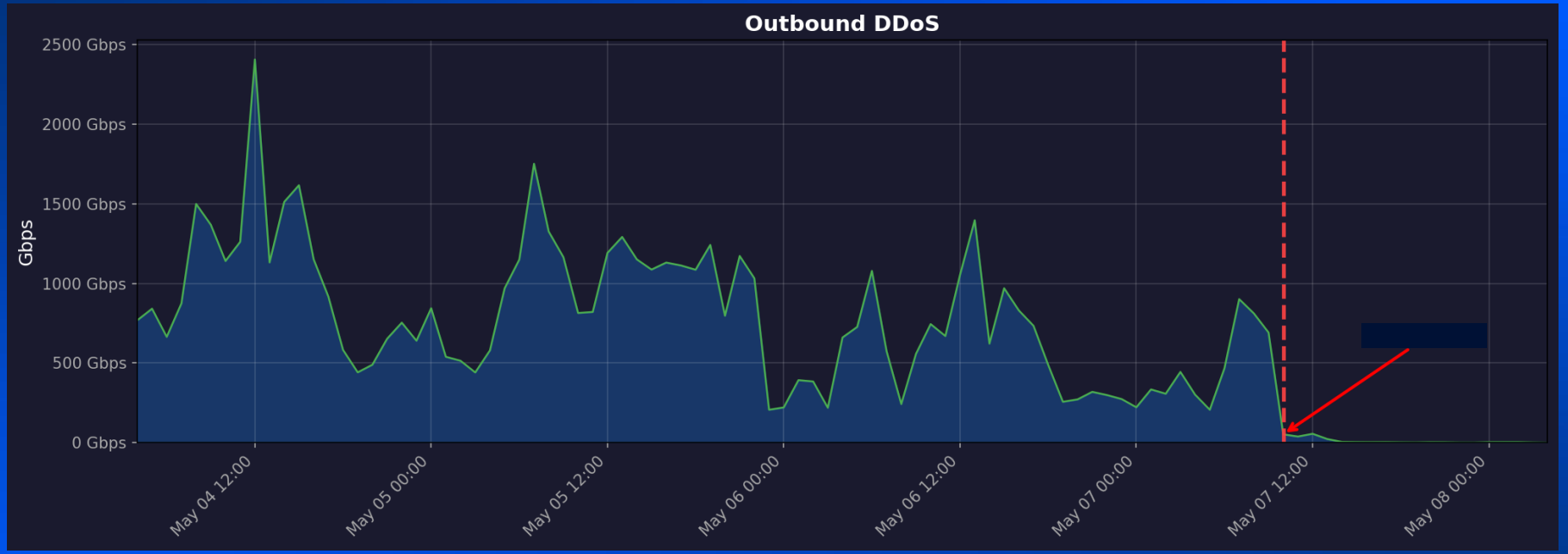
Block the C2 and the bots are stranded.

Outbound DDoS problem solved!

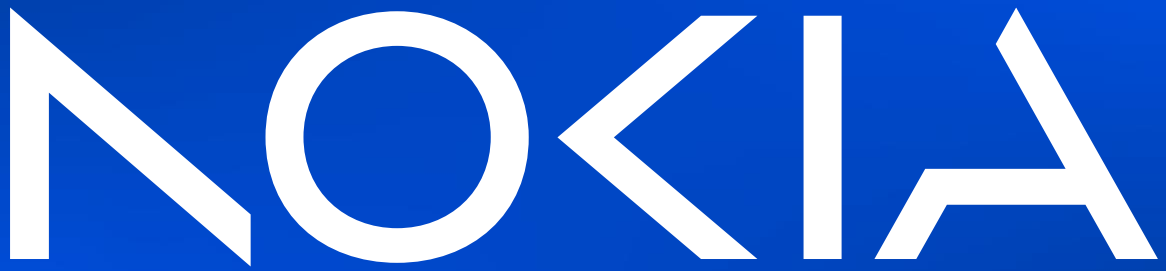
Protect the network from receiving and sending DDoS attacks blocking C2 botnet IPs on a boundary

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Botnet C2 disruption solution at the edge of the network WORKS



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