

DDoS attacks - Deadly threat or old news?

Do I have to act?

Or can I just relax?

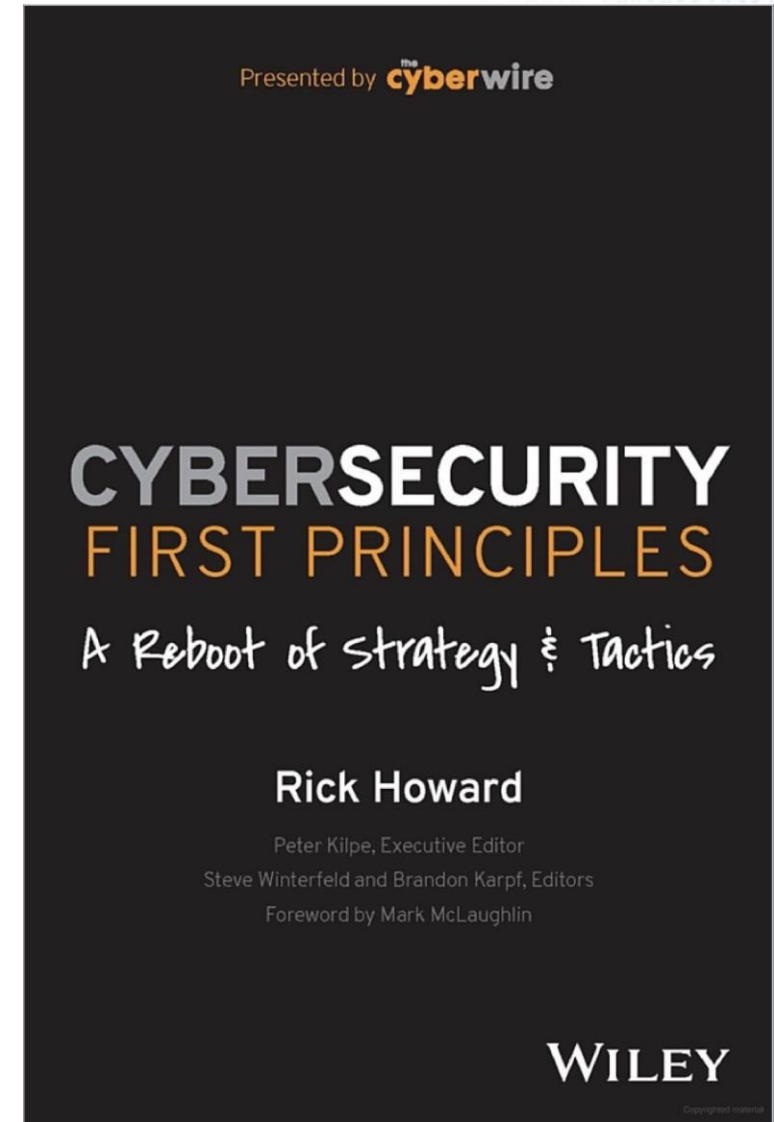
Stefan Mardak
Enterprise Security Architect. Principal

Why should I care?

Cybersecurity First Principles

Reduce the probability of material impact due to a cyber event over the next three years

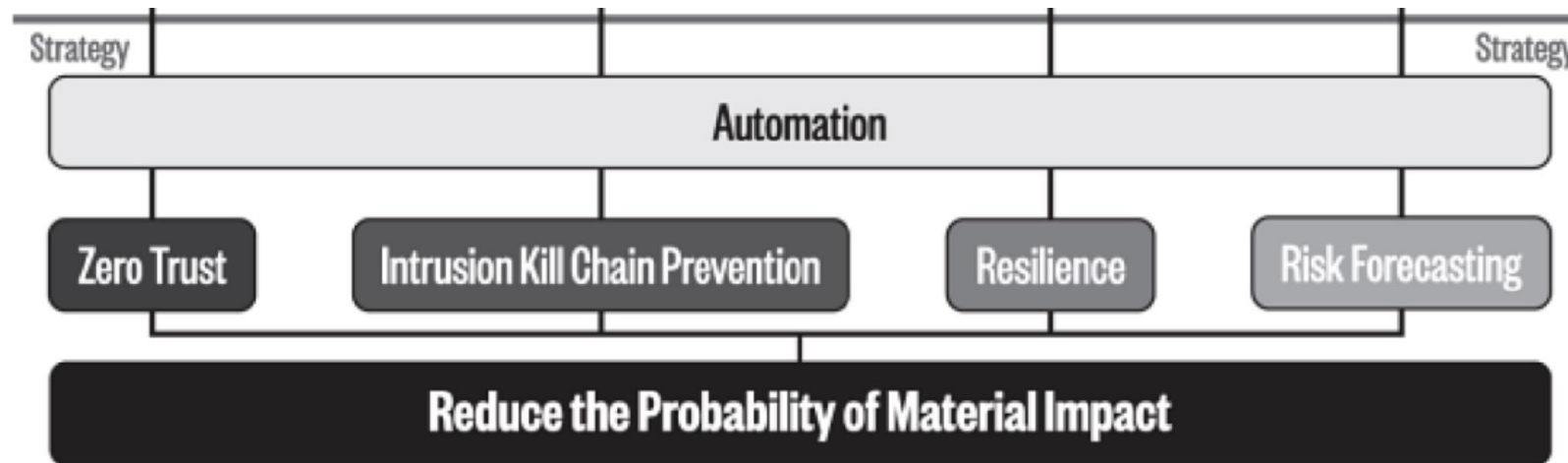
- States precisely and clearly what we are going to accomplish
- Gives you a measuring stick to evaluate your program



Does it affect my company?

DDoS mitigation's place in the First Principle

- Improves resilience
- Automated – no user action necessary
- Evidence of amortization is provided by Risk Forecasting



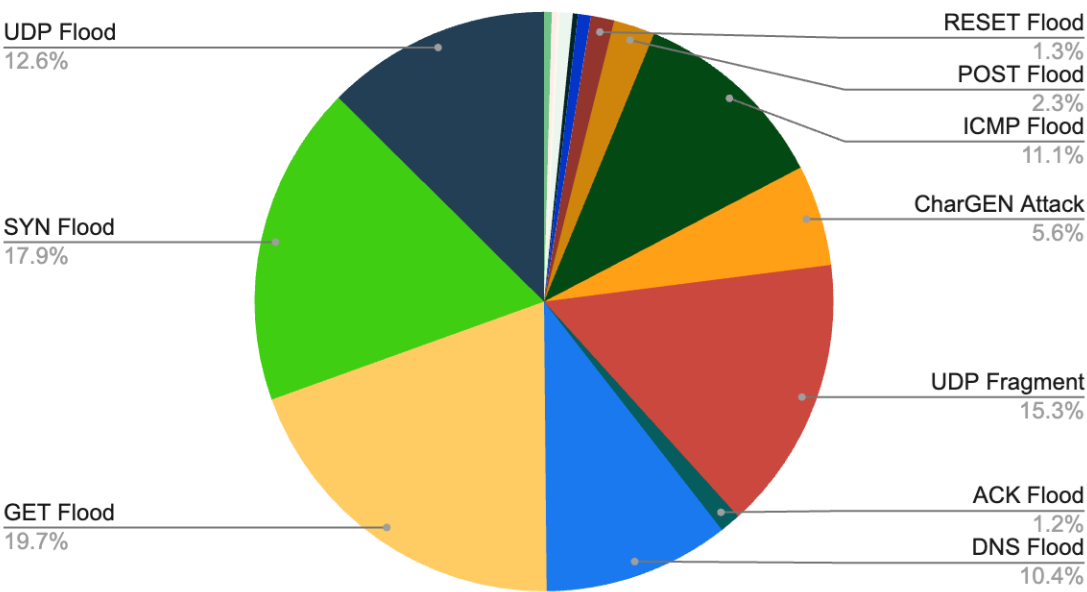
Distributed Denial of Service attack



See the
black sheep?

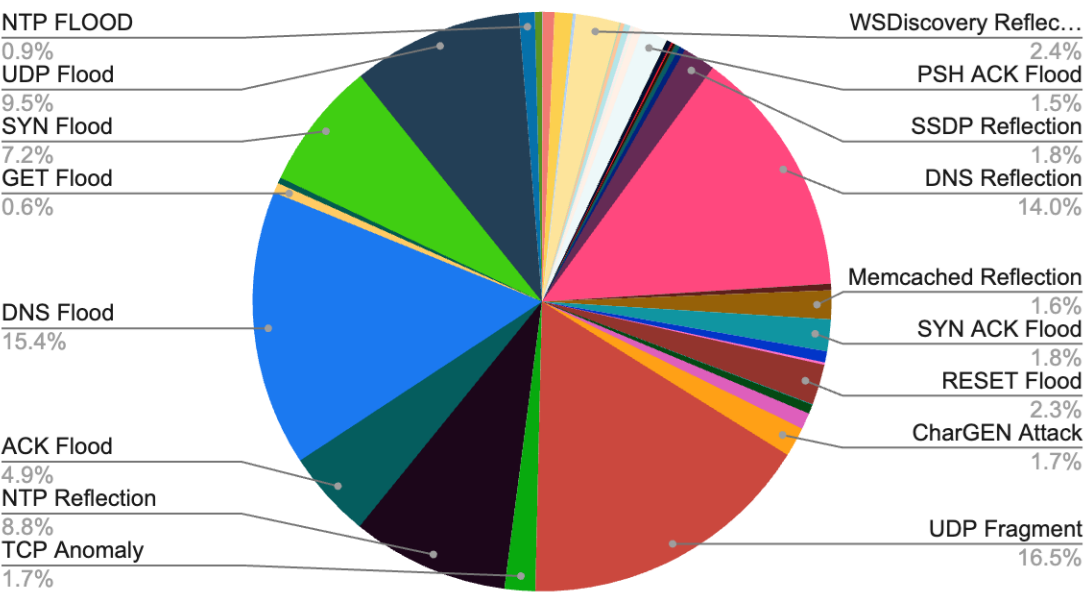
10 years of DDOS evolution

2013 vectors



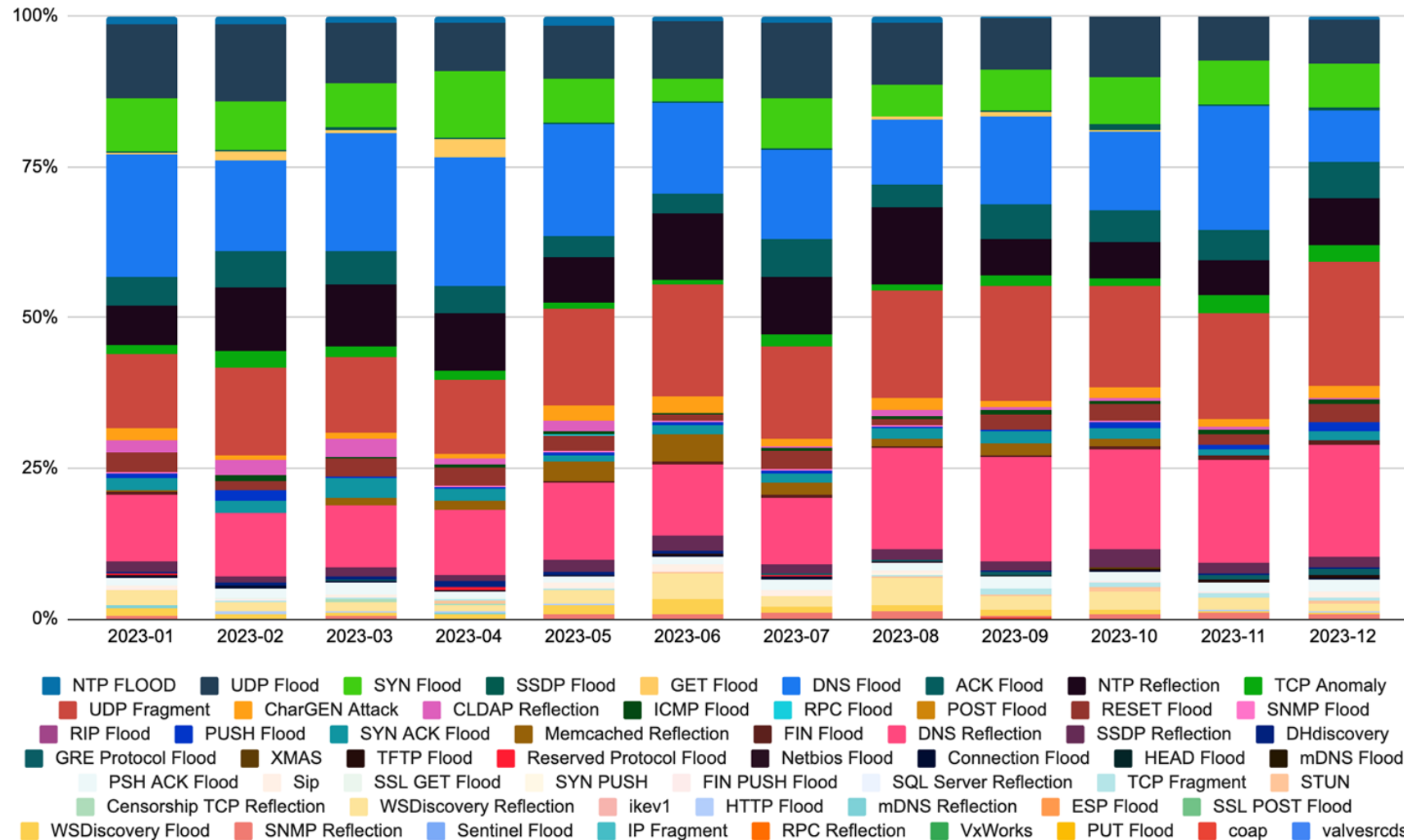
10 attack vectors
42 % TCP – 4 vectors
11% ICMP
10% DNS

2023 Vector

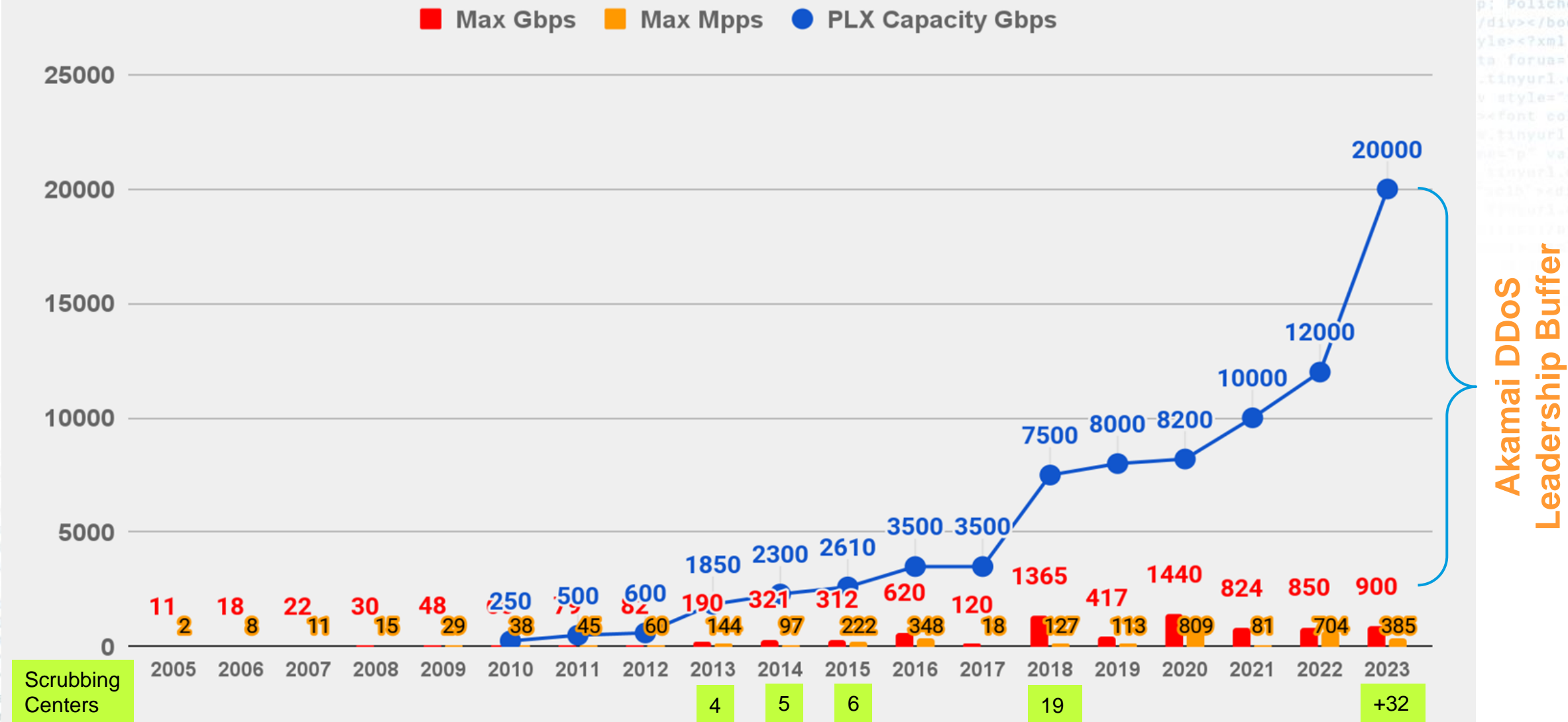


17 attack vectors
20 % TCP – 7 vectors
No ICMP
29% DNS

Threat Vectors



20 years of DDoS mitigation evolution

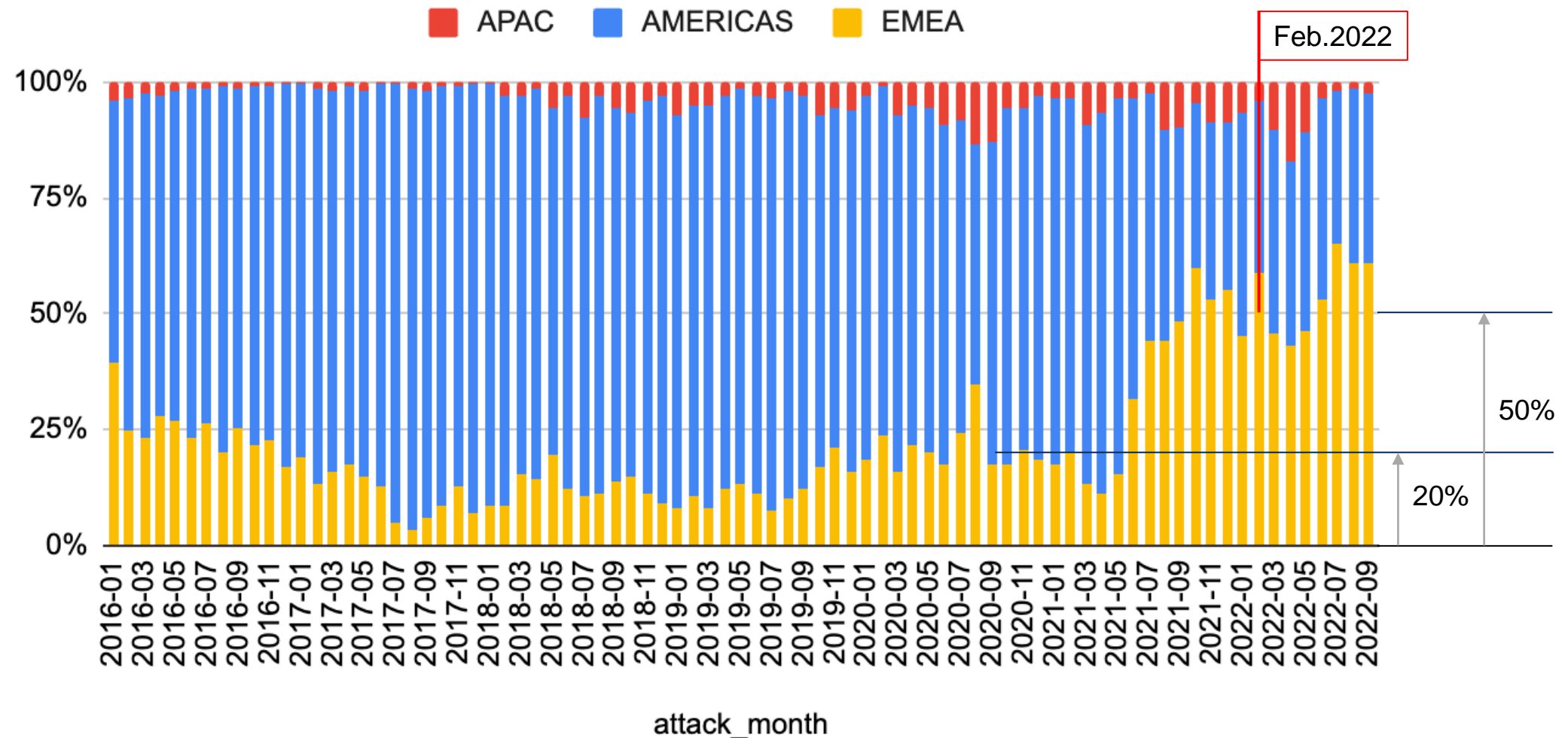


We are too small, unknown,... to be a target

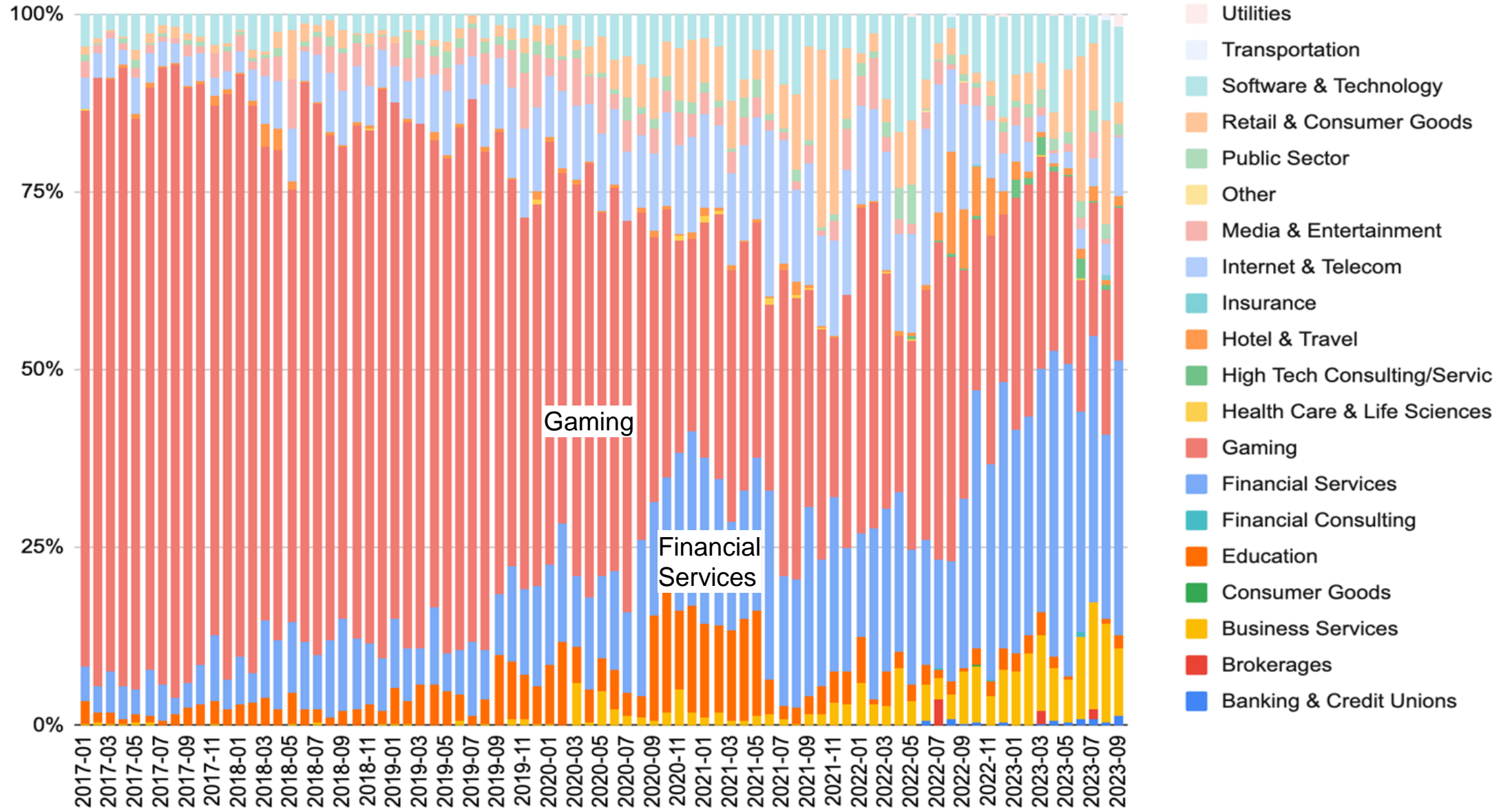


Attacks by Region of targeted customer

Attack percent by region



Attack Trends by Industry



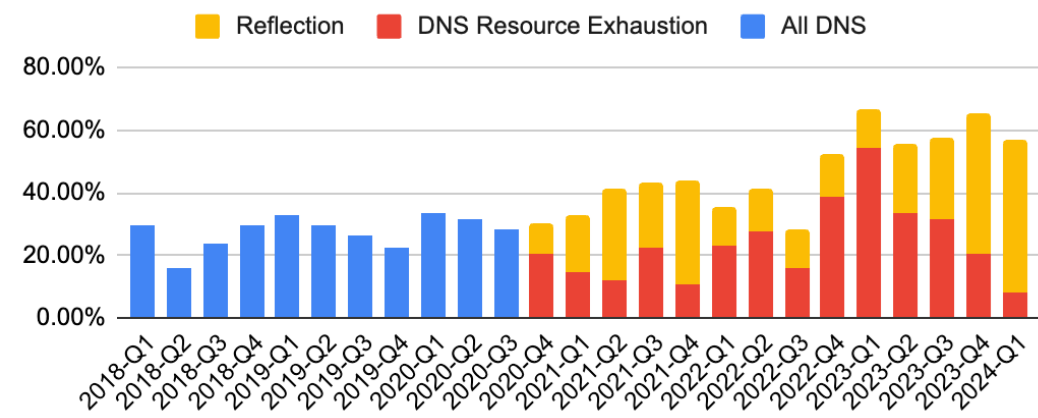
Our existing DDoS Solution is good enough



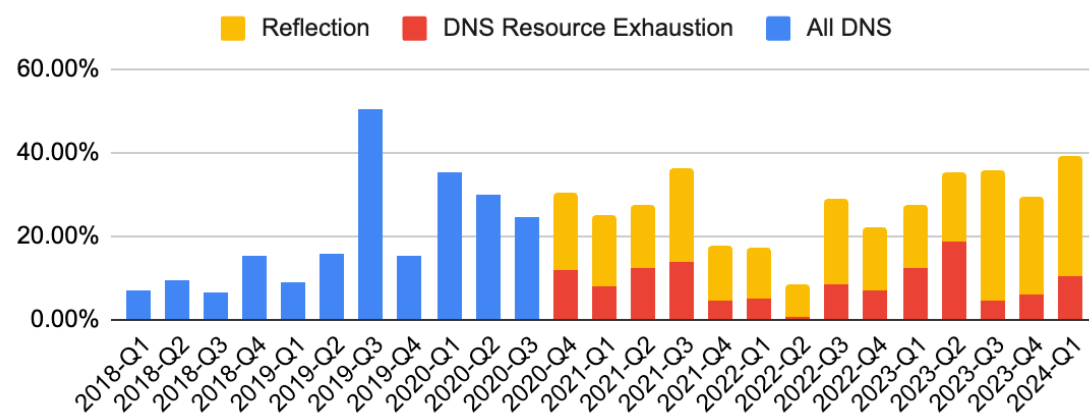
Google: “bsi ddos dienstleister” -> BSI: Liste qualifizierter DDoS-Mitigation-Dienstleister; Stand: 05.06.2024

DNS Attacks by Geo – today +60% DNS

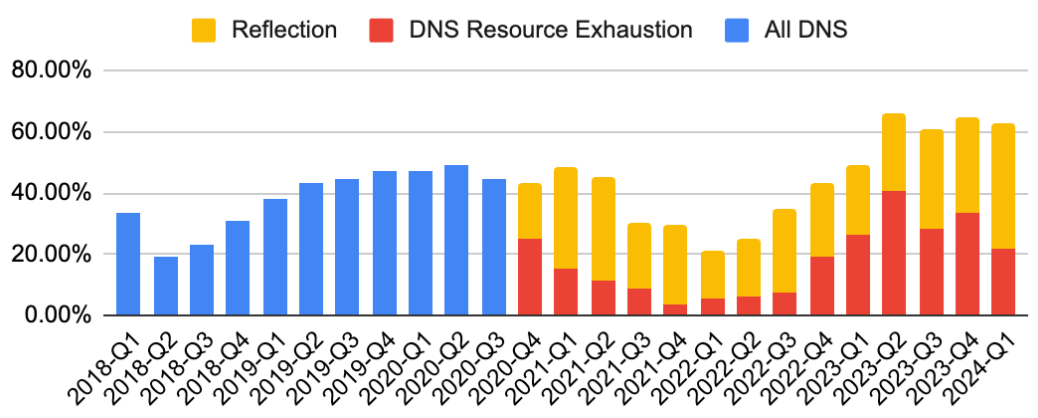
EMEA



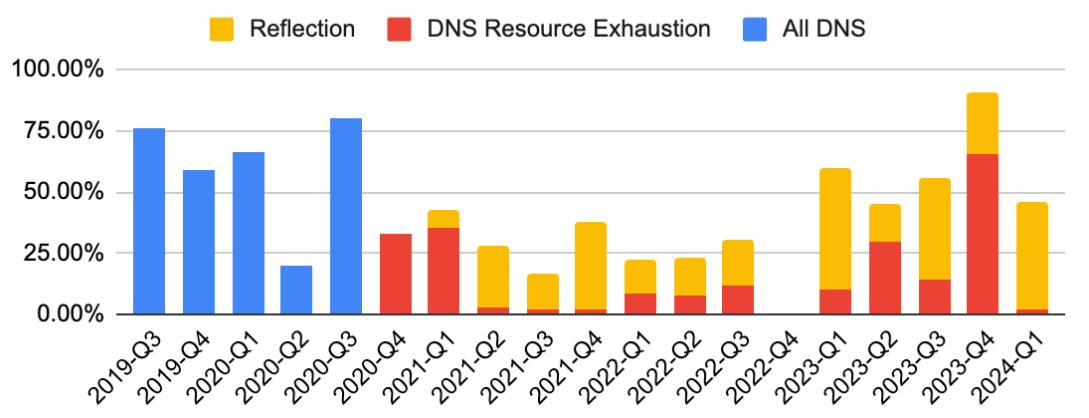
APAC



N. America



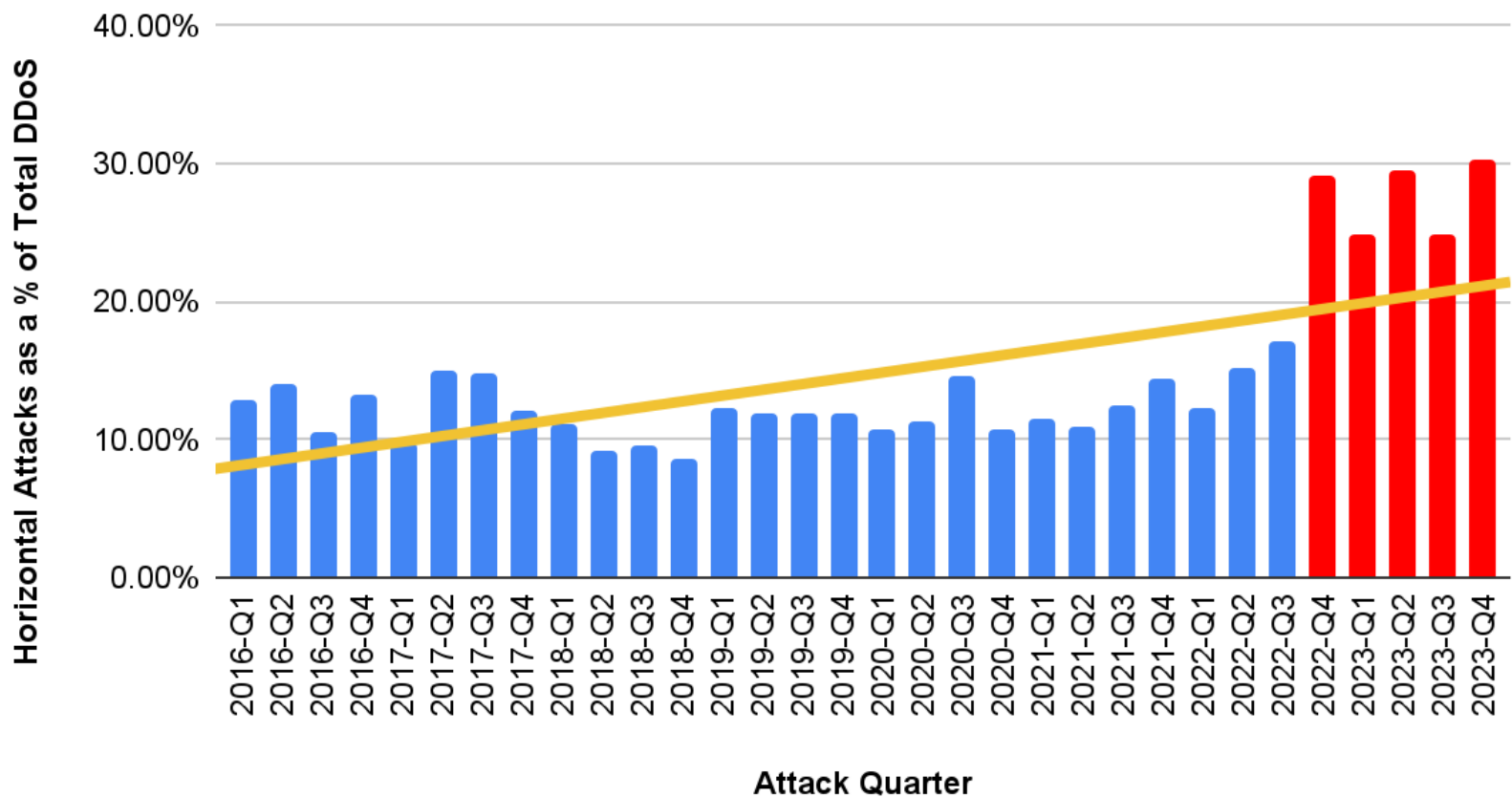
Latam



*Breakout of reflection versus flood not available until mid 2020

Horizontal attack frequency

Horizontal DDoS Attacks Per Quarter



Horizontal attacks / Carpet bombing – Attacks against multiple IP addresses, not just the prominent ones

Join us for a coffee ☕



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