DDoS attacks -Deadly threat or old news?

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Do I have to act?

Or can I just relax?

Stefan Mardak Enterprise Security Architect. Principal

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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

CYBERSECURITY FIRST PRINCIPLES

Presented by **Cyberwire**

A Reboot of strategy & Tactics

Rick Howard

Peter Kilpe, Executive Editor Steve Winterfeld and Brandon Karpf, Editors Foreword by Mark McLaughlin



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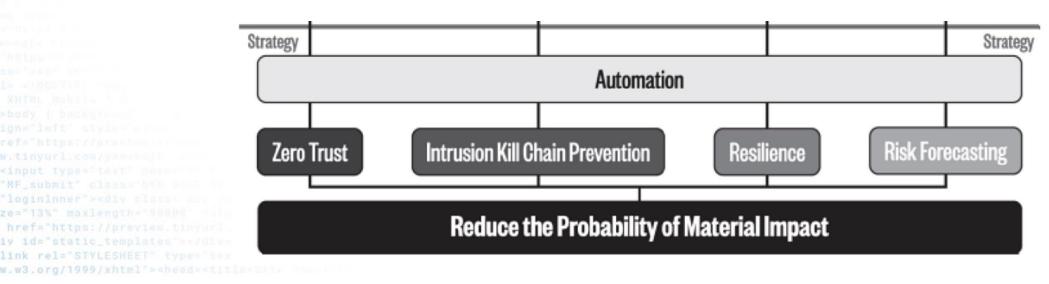
Does it affect my company?

DDoS mitigation's place in the First Principle

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

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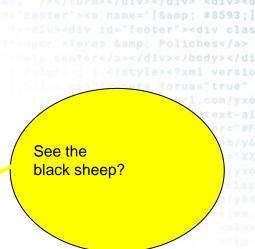
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Distributed Denial of Service attack



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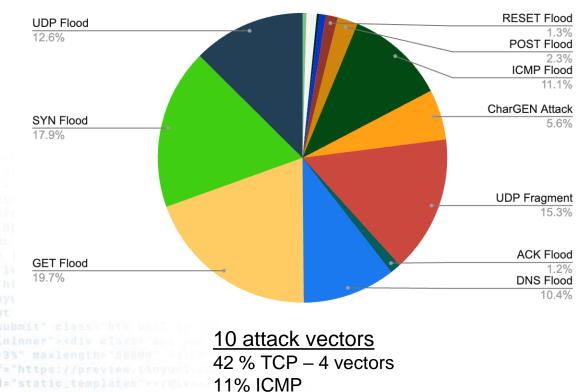
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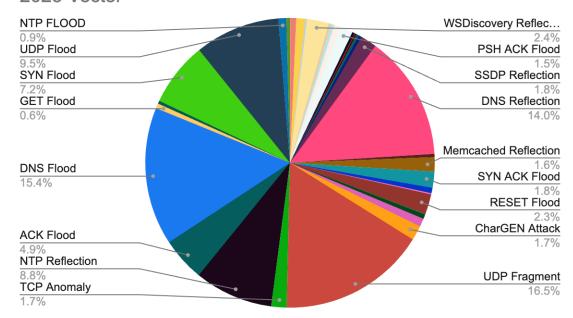
10 years of DDOS evolution

2013 vectors



10% DNS

2023 Vector



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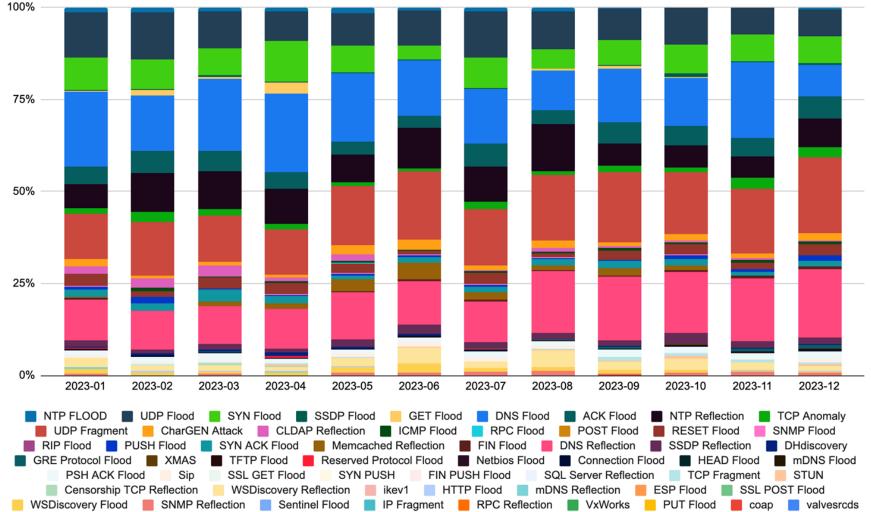
<u>17 attack vectors</u> 20 % TCP – 7 vectors No ICMP 29% DNS

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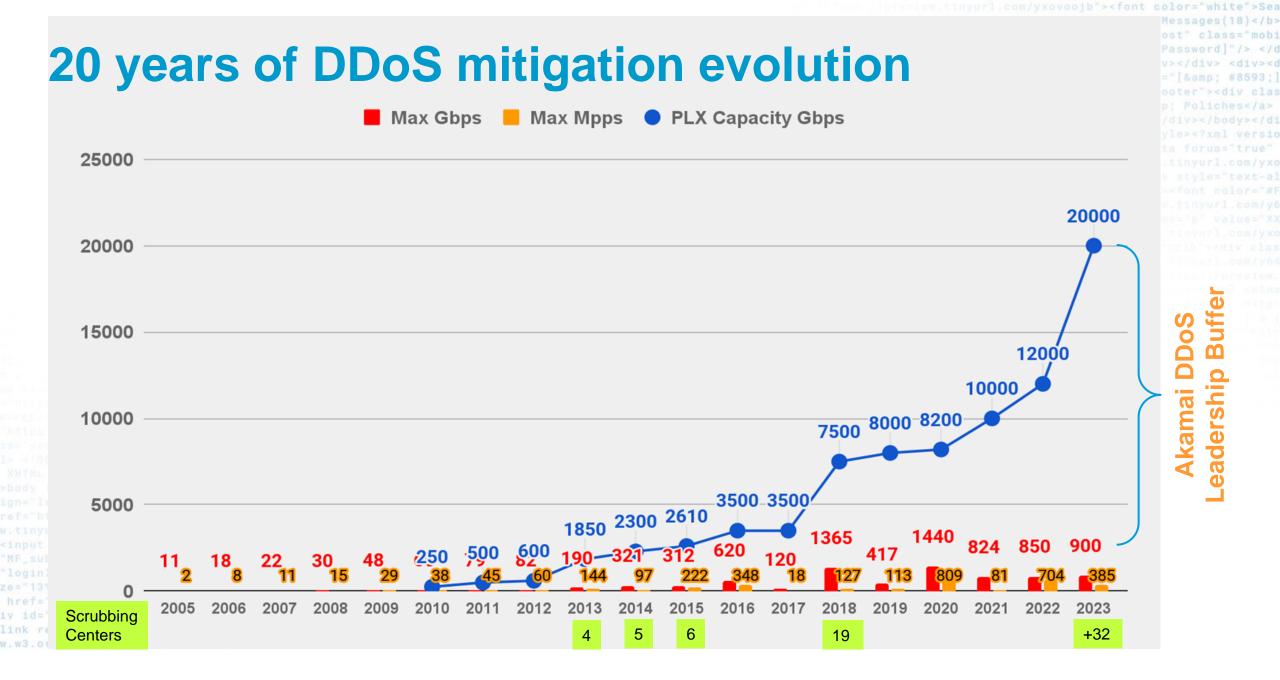
Threat Vectors

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63 attack vectors

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



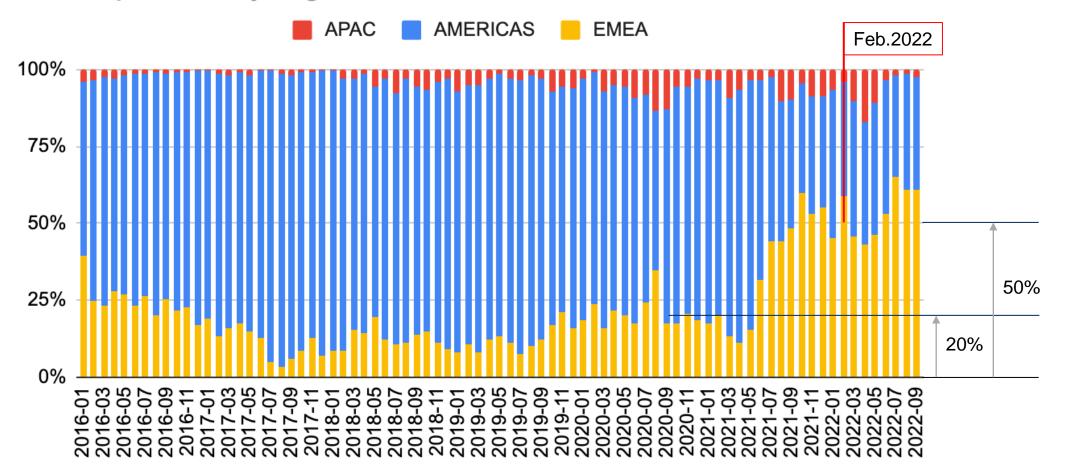
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Attacks by Region of targeted customer

Attack percent by region



Attack Trends by Industry

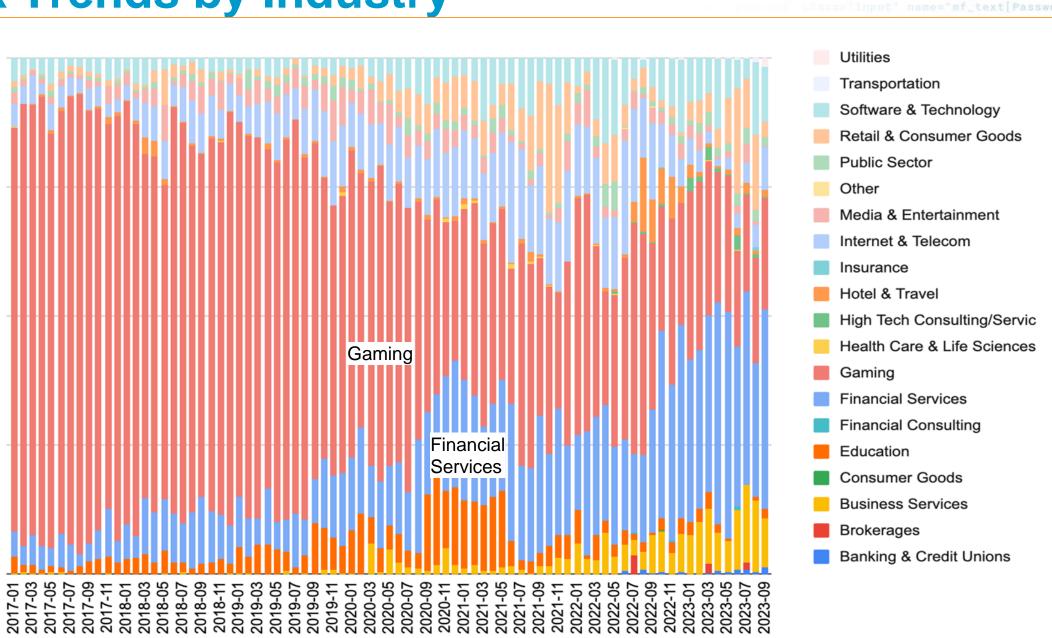
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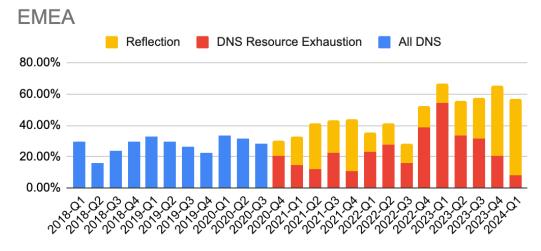


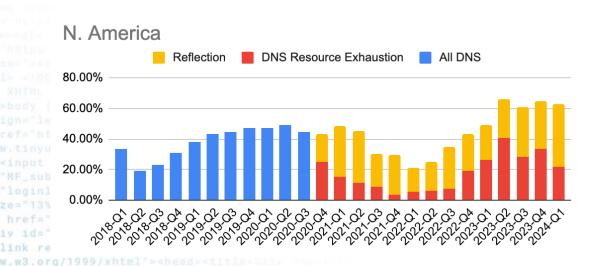
Google: "bsi ddos dienstleister" -> BSI: Liste qualifizierter DDoS-Mitigation-Dienstleister; Stand: 05.06.2024

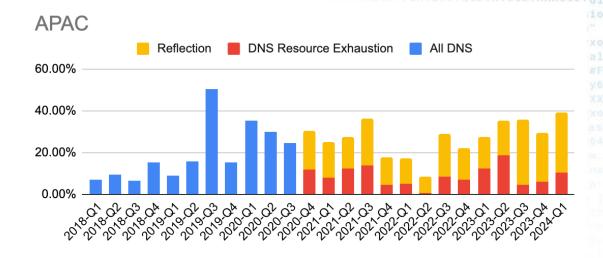
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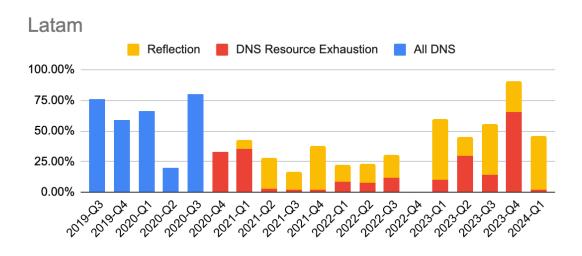
DNS Attacks by Geo – today +60% DNS







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*Breakout of reflection versus flood not available until mid 2020

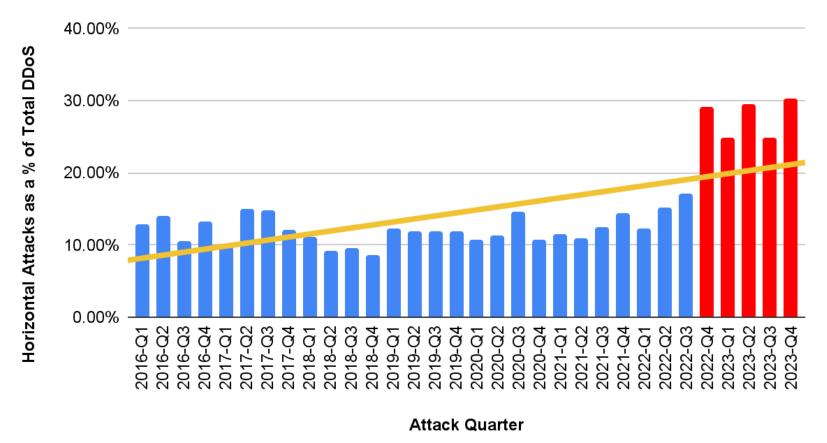
Horizontal attack frequency

Horizontal DDoS Attacks Per Quarter

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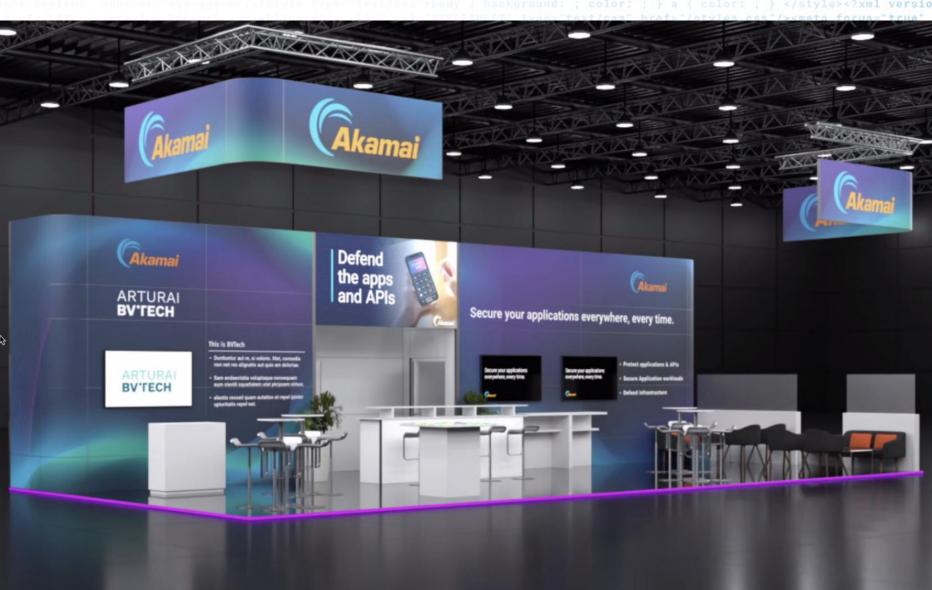


Horizontal attacks / Carpet bombing – Attacks against multiple IP addresses, not just the prominent ones

Join us for a coffee

Halle 9, Stand 317

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