IoT = Internet of Threats?

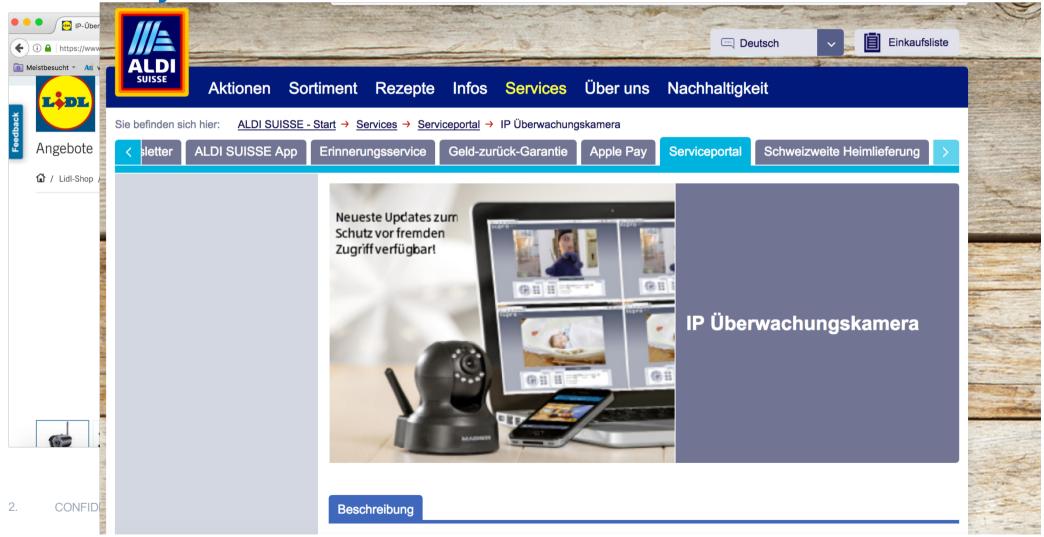
Heiko Frank
Principal System Engineer

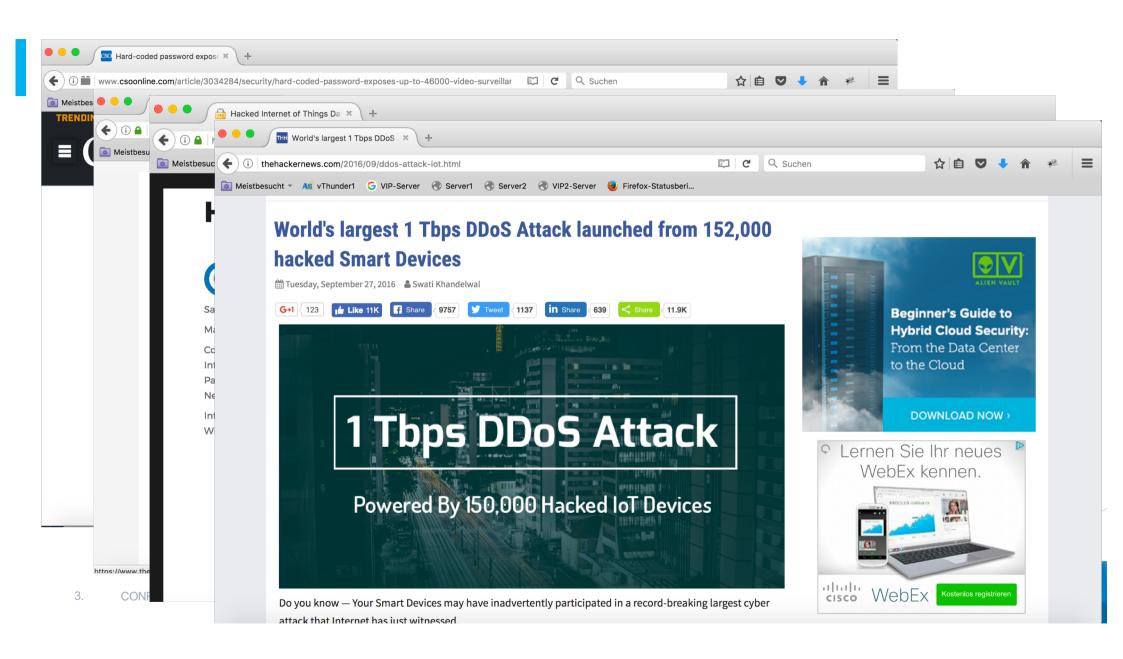


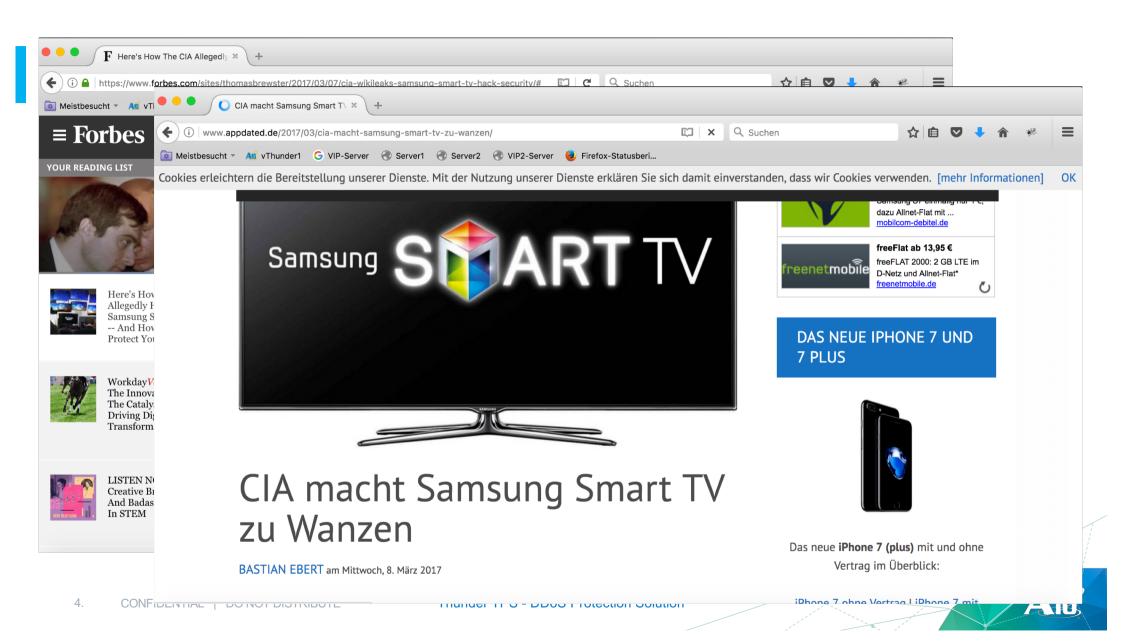
Automation for Secure Applications

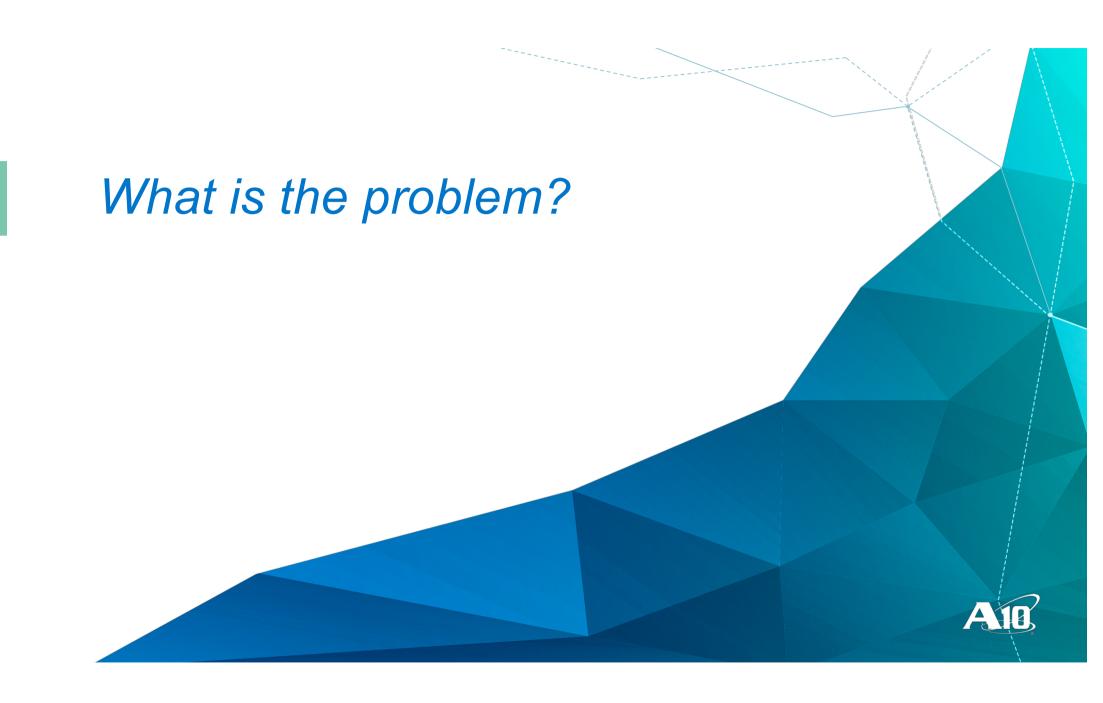
CONFIDENTIAL | DO NOT DISTRIBUTE

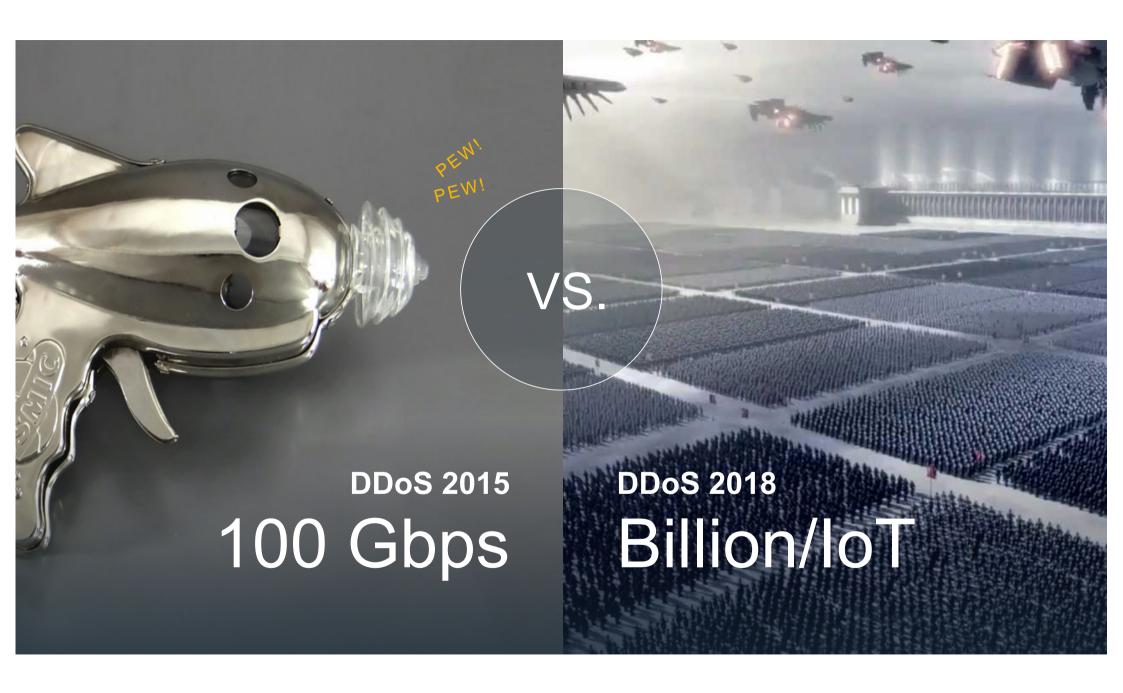
Saturday for Breakfast

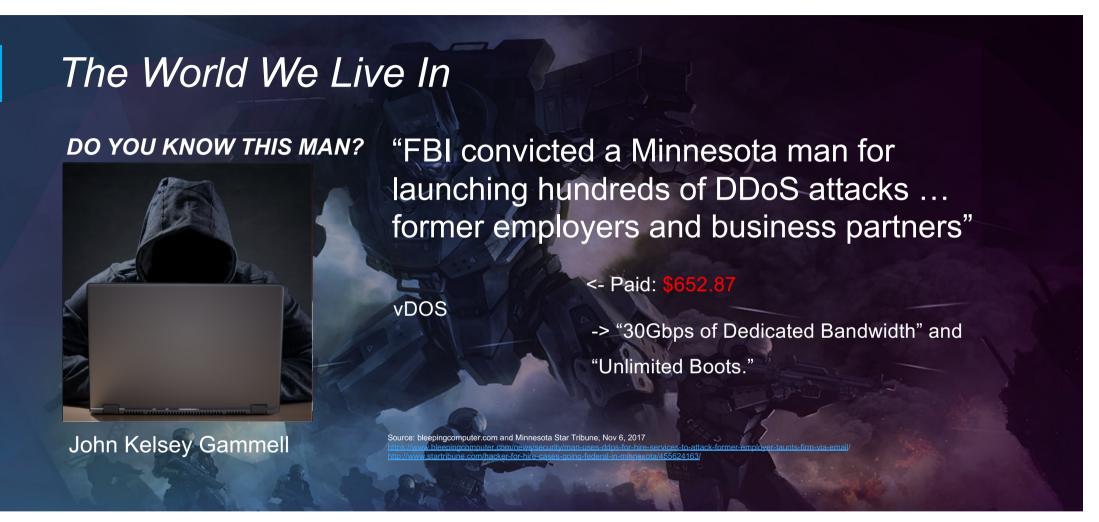












BUSINESSES ATTACKED:





JPMorganChase













- High-profile attacks changing the economics of protection
- Massive scale multi-vector attack (MVA) 1.2 Tbps+
- IOT Powered Mirai, WireX, and today?

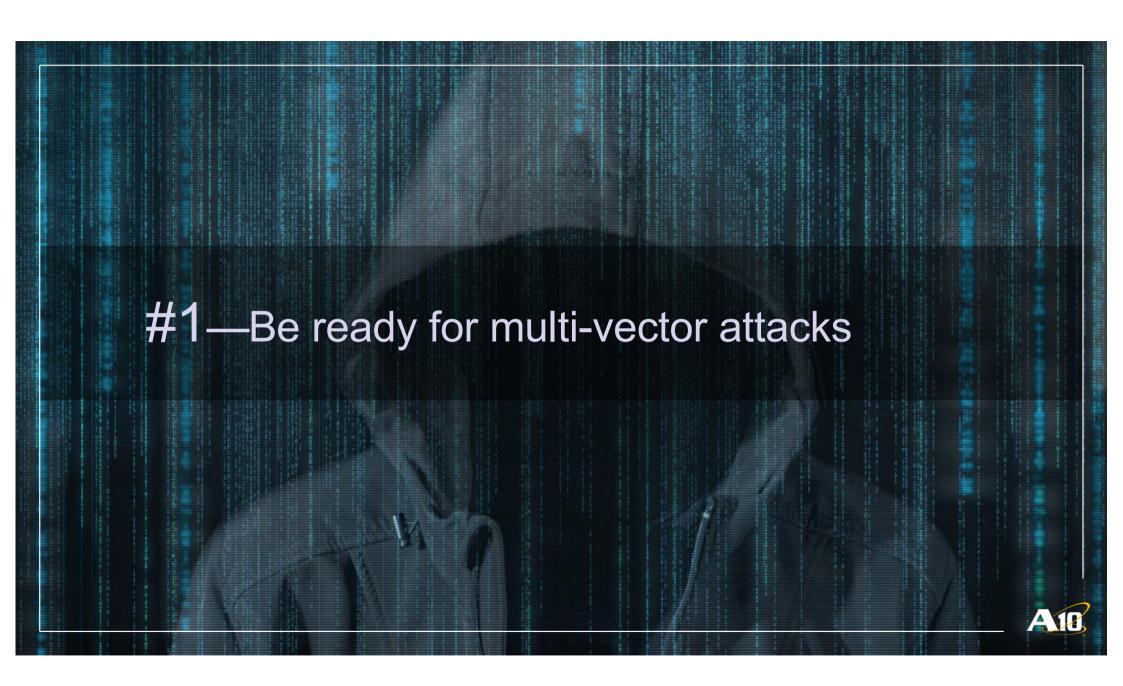
Frequency of attacks > 50 Gbps

307% Growth

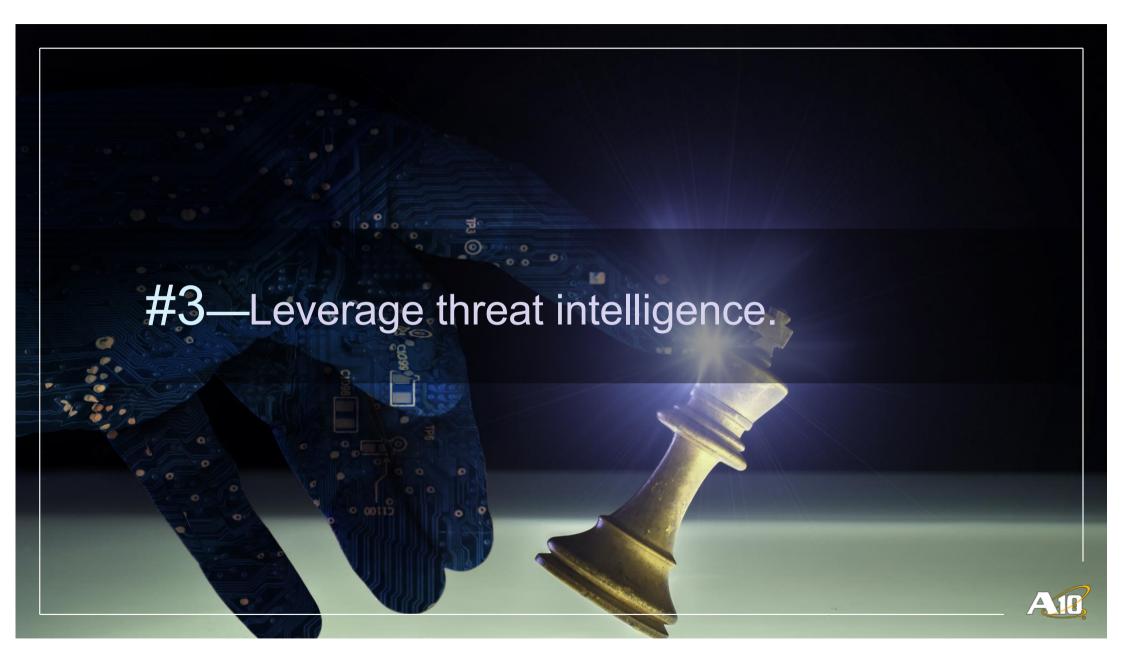
74% Budget increase next 6 months

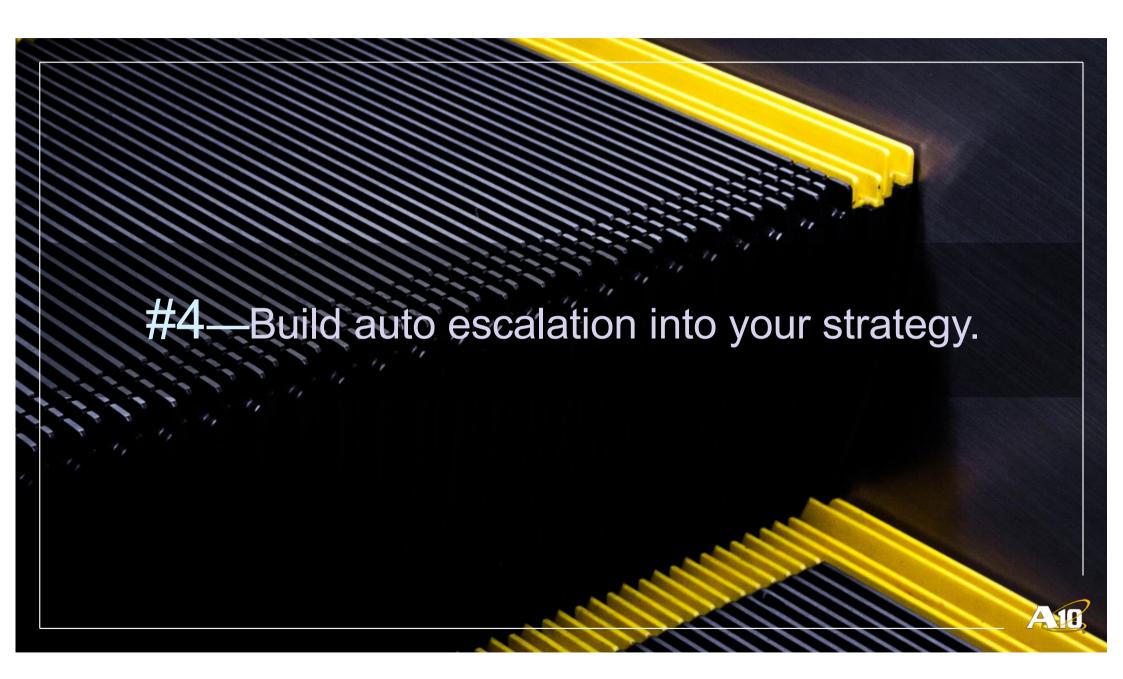
A10/IDG report. Sept. 2017

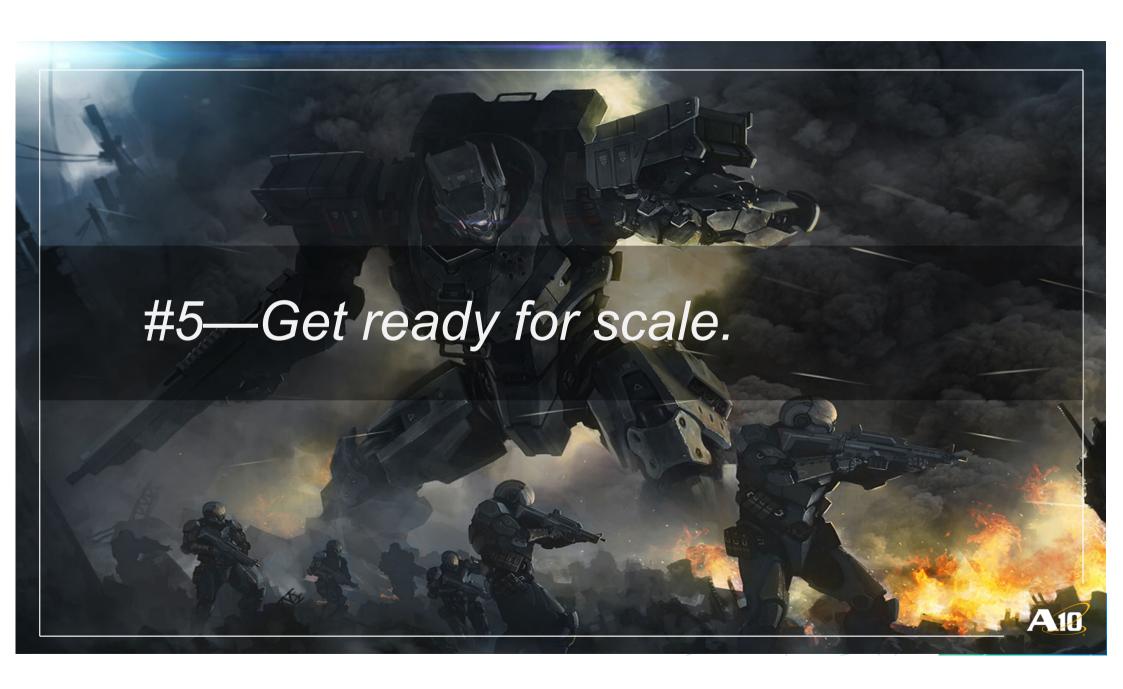




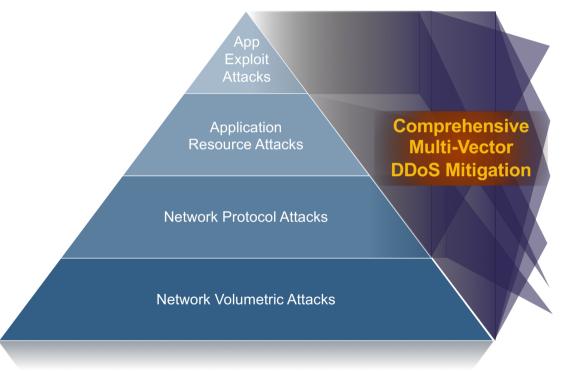
emale-emae #news #ti li { snagateurswaagn+O+*texTnattus**zaate nagaoverflow: auto; padding: 10px 0; transform: translateZ(0): <"negget#inottu@ttlc3eekif"=seekit wito> Sould and notherbook and without muturbook a nother flows #ti li pro (#2—Rate limiting isn't enough.







Mitigating DDoS Attacks Using Thunder TPS Series



Behavioral Policies & Content Signatures

Thwart malicious behavior and surgically target content patterns

Challenge-Based Authentication

Identify malicious from legitimate clients

Black and White Lists

High-scale source-based admission control

Traffic Rate Control

High-granularity traffic rate enforcement

Packet/Request Anomaly Check

Validate incoming packets & requests

