

5 Next-Gen DDoS Threats

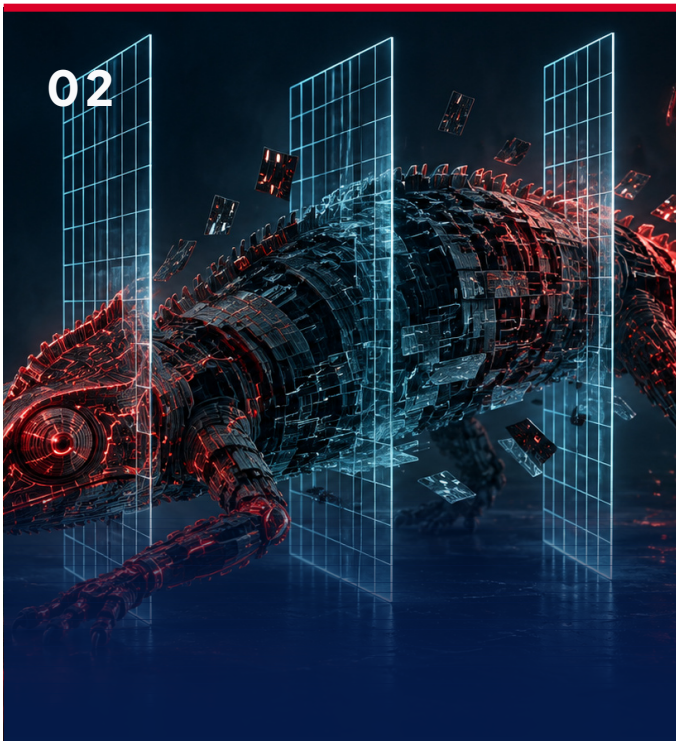
Keeping VPs of Network & Security Up at Night

Why Traditional Hardware Scrubbers Are Failing Against AI-Driven Attacks

TOP THREAT VECTOR 2026



Terabit-scale IoT botnets (Alsuru)



Stealthy multi-vector shapeshifters (ShadowV2)



Mobile & Android subscriber swarms (Kimwolf)



Internal East-West & Outbound weaponization

Alsuru: The Terabit IoT Monster

Massive Volumetric & Carpet Bombing Attack

29.5

Tbps

Peak Attack
Volume Recorded

- **Target:** Weaponizes IoT devices (cameras, smart TVs, home routers)
- **Tactic:** Carpet bombing spread across thousands of /32 IPs
- **Impact:** Complete perimeter link saturation & gateway collapse



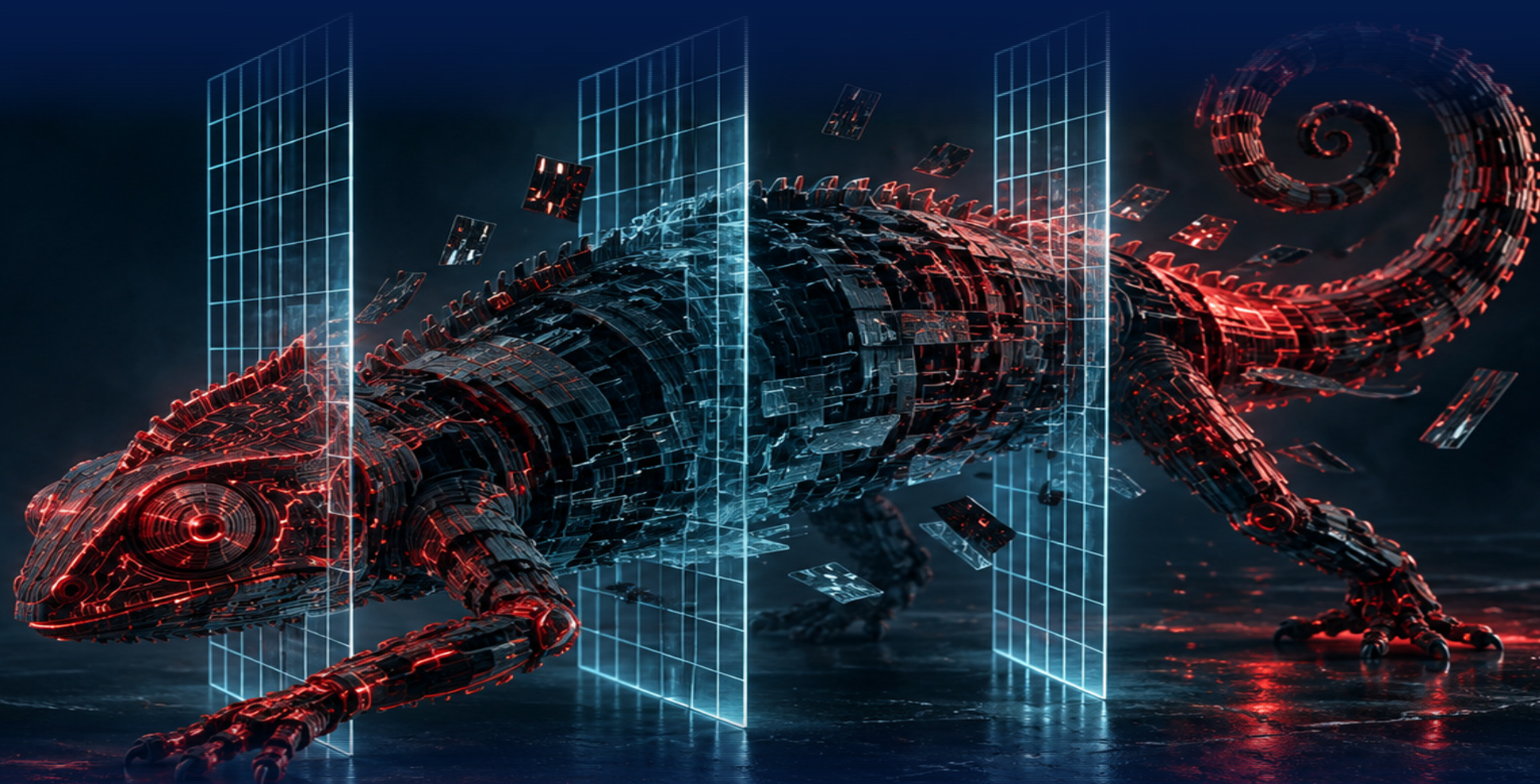
ShadowV2:

The Stealthy Shapeshifter

Multi-Vector & Adaptive Cloud/IoT Botnet

Dynamic Vector Rotation

Bypasses All
Static ACL Filters



- **Target:** Blends into legitimate HTTPS / HTTP/2 traffic
- **Tactic:** Rotates IP ranges (/28, /27, /24) mid-attack (UDP, TCP SYN, GRE)
- **Impact:** Smart thermostats & sensors generate undetected micro-bursts



Kimwolf:

The Mobile & Android Swarm

Subscriber Device Weaponization

Outbound Micro-Bursts

Attacking From
Inside Your
Network



- **Target:** Android smartphones & mobile subscriber endpoints
- **Tactic:** Ultra-short, high-frequency outbound flood bursts
- **Impact:** Destroys ISP IP reputation & causes upstream blacklisting



The Silent Killer: East-West & Outbound Attacks

Inside-the-Perimeter Weaponization

0%

Visibility

For Traditional
Perimeter
Scrubbers



- **Tactic:** Attacks originated between internal subscribers & VRFs
- **Blindspot:** Legacy scrubbers only inspect inbound perimeter traffic
- **Impact:** Internal network paralysis without ever touching the edge



Sleep Peacefully: Stop Them On-Box in <30 Seconds

Cisco Secure DDoS Edge Protection (EP)

< 30s

On-Box

Surgical AI
Mitigation
at Line-Rate



- **100% Software:** Docker container native on Cisco IOS-XR routers
- **Unsupervised ML:** Instant behavioral baseline without static rules
- **360° Defense:** Stops Inbound, Outbound & East-West attacks
- **60% TCO Savings:** Offloads 95% volumetric load from expensive scrubbers

Double-Up Your Router Protection



Edge**Hawk.**