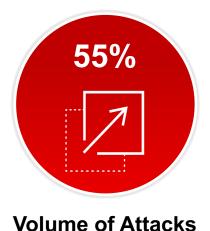
Giving your endpoints the protection they deserve.

Eirik Valderhaug

Systems Engineer Specialist - CSS - Nordics, Baltics & Eastern Europe



THREAT LANDSCAPE CONTINUES TO EVOLVE



Increase in new malware



Severity of Attacks

35% increase in fileless attacks



More Sophisticated

Targeted and multi-vector



ATTACKERS NEED TO CONTROL THE ENDPOINT



Attackers objectives require leveraging the endpoint



Malicious email



Exploit software vulnerabilities



Execute malware



Rapidly changing malware



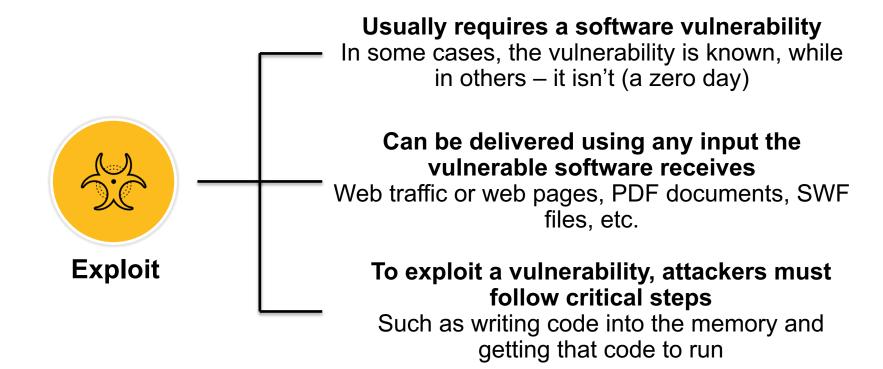
Targeted malware



Macros, scripts, etc



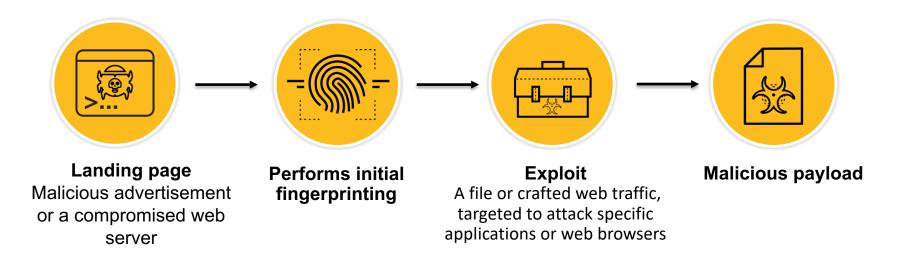
Diving deeper into exploits





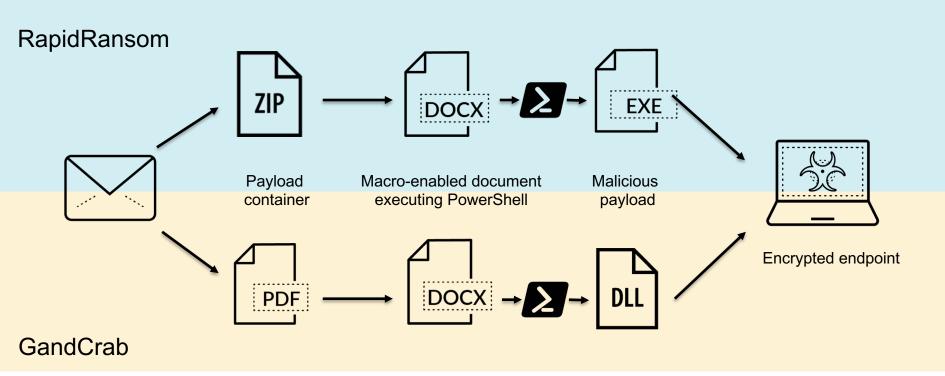
What are exploit Kits?

Exploit kits are automated threats that utilize compromised websites to divert web traffic, scan for vulnerable browser-based applications, and run malware.





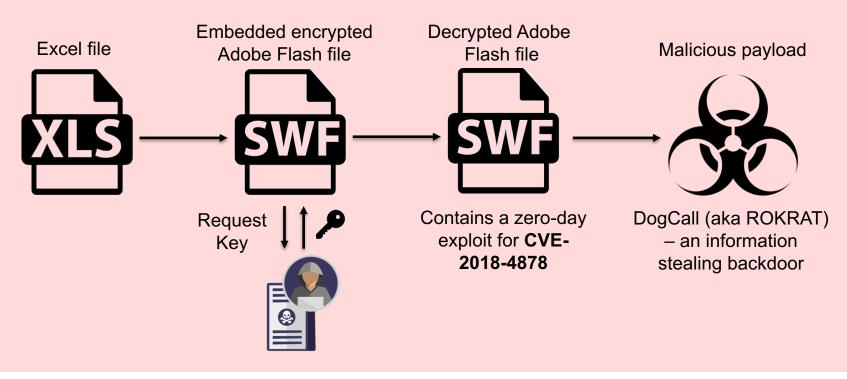
DIFFERENT ATTACKS - SIMILAR ATTACK CHAIN



Sources: https://myonlinesecurity.co.uk/please-note-irs-urgent-message-164-malspam-delivers-rapid-ransomware/
https://isc.sans.edu/forums/diary/GandCrab+Ransomware+Now+Coming+From+Malspam/23321/



ZERO-DAY EXPLOIT ATTACK





INSUFFICIENT ENDPOINT OPTIONS



Traditional EPP

Cumbersome & Insufficient



Next-Gen AV

Inconsistent Prevention



EDR

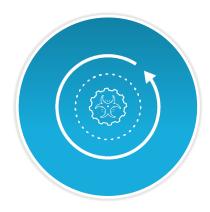
Detection overwhelming without great prevention



REQUIREMENTS FOR A NEW APPROACH...



Accurate Prevention: Known *and* Unknown Threats



Protection Across Attack Techniques



Rapid Detection and Response to Sophisticated Attacks

Across all platforms and environments



A PREVENTION FIRST APPROACH THAT LETS YOU...





Block Exploits and Fileless Threats



Stop Sophisticated Attacks



Traps 5.0



WHAT'S NEW IN TRAPS 5.0



Cloud Delivered Service

Management as a cloud service, connected to Application Framework



Reimagined Interface

Complete UI overhaul, logical groupings, simplified workflows, focus on event management



Platform Expansion

Linux support and protection; relevant in data center and cloud workloads



TRAPS MANAGEMENT SERVICE

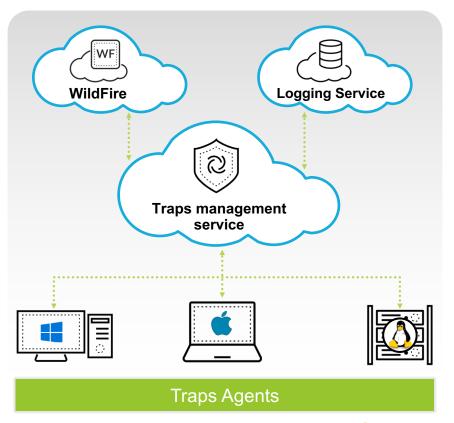
Cloud-delivered Service

- Moves Traps management into the cloud
- Eliminates operational overhead of on-prem server(s)
- New interface for more intuitive experience

Application Framework Integration

- Detailed event information stored in Logging Service
- Enables correlation of endpoint, network, and cloud
- Allows for easy adoption of new capabilities (e.g. Magnifier)

NOTE: ESM still available for customers who are unable to take advantage of the cloud





REIMAGINED USER EXPERIENCE

Intuitive Web-based Interface

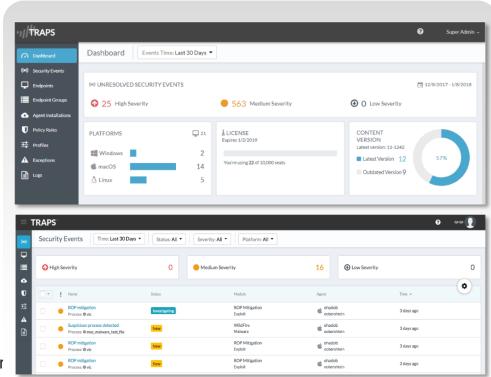
- Minimizes operational challenges
- Consistent policy management
- Dynamic endpoint grouping

Simplified Event Management

- At-a-glance events dashboard
- Threat assessment for faster triage
- Event investigation status tracking

Integrated WildFire Threat Reports

- Quick drill-down into threats
- Display information about:
 - Targeted users
 - Application that delivered threat
 - URLs involved in the delivery of thr
- Observed behavior of the threat





ALL MAJOR OS PLATFORMS SUPPORTED

Introducing LINUX Support

- Out of the box protection for common services
- Provides exploit protection tailored for Linuxbased servers
- Immediate protection does not require restart upon installation

Protection for Data Center & Cloud

- Lightweight Agent and best security for Linux
- Real-time exploit protection
- Protects unpatched workloads

Supported Distributions

- RedHat (RHEL) 6.x and 7.x
- CentOS 6.x and 7.x
- Ubuntu Server 12.x, 14.x, 16.x
- SUSE 12.1, 12.2





PROACTIVE THREAT SCANNING

Scanning Endpoints for Malware

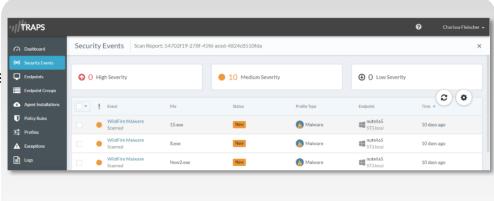
- Identifies dormant malware before execution
- On-demand or scheduled file system scans
- WildFire threat intelligence for known files

Helps Incident Response & Compliance

- Run scans after security event
- Satisfies compliance requirements
- Last checkbox for legacy cutover

Leverages Existing Infrastructure

- Analyzes files not seen in previous scans
- Analyzes unknown files prior to execution
- Scans in background to maintain low footprint



NOTE: Supported on Windows operating systems



MINIMIZE ENDPOINT INFECTIONS



Block Malware and Ransomware



Block Exploits and Fileless Threats



Stop Sophisticated
Attacks



Block known malware using WildFire threat intelligence



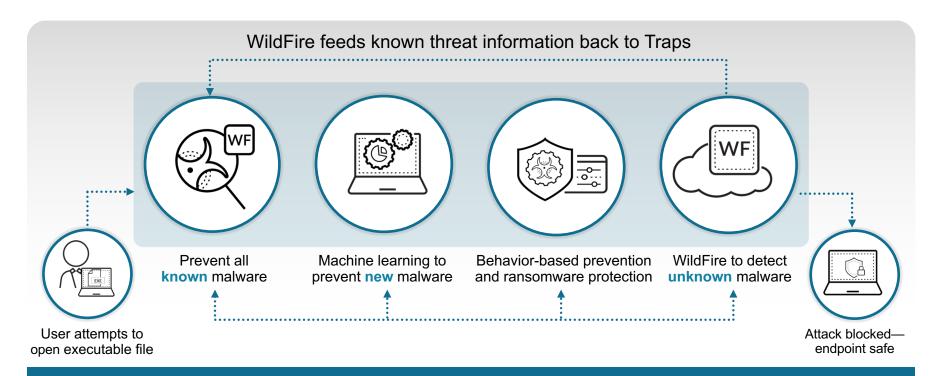
Block unknown malware with local *machine learning* and *behavior-based* analysis



Analyze unknown files with industry leading WildFire cloud service



PREVENT KNOWN AND UNKNOWN MALWARE



Multiple methods of prevention improve accuracy and coverage



WILDFIRE INCREASES TRAPS ACCURACY AND COVERAGE

300M

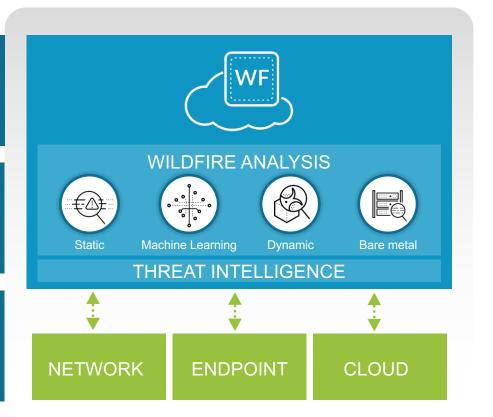
New malware samples detected by WildFire monthly

45%

Malware detected by WildFire is never seen by Virus Total



Threat intelligence shared across endpoint, network, cloud & cyber threat alliance





MINIMIZE ENDPOINT INFECTIONS



Block Malware and Ransomware



Block Exploits and Fileless Threats



Stop Sophisticated
Attacks



Reduce opportunities for attack on endpoint with policy and restrictions



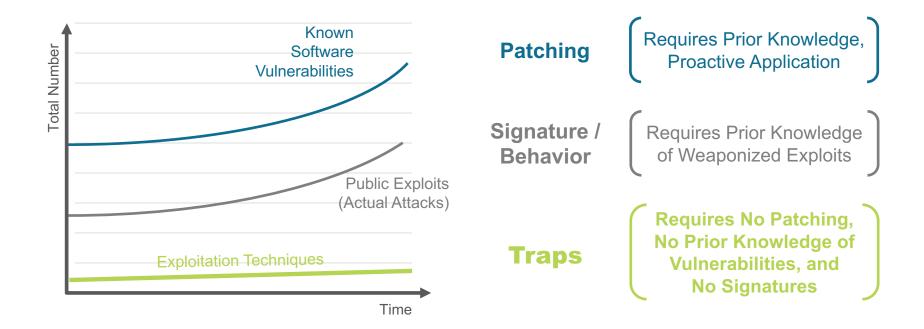
Prevent exploits by technique, not the exploits



Block in-memory fileless threats that don't write to disk

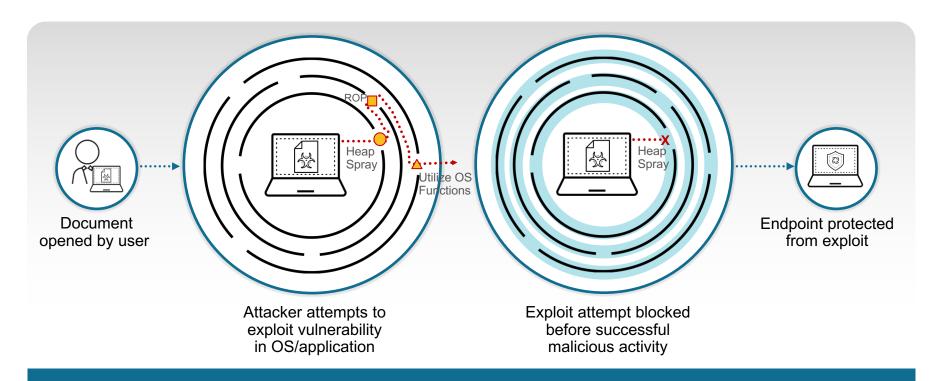


Blocking Exploitation Techniques Is the Most Effective Approach





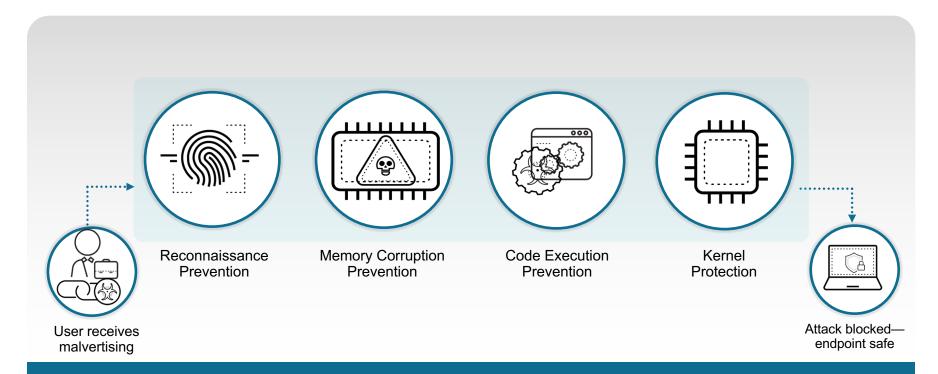
EXPLOIT PROTECTION FOCUSES ON TECHNIQUE



Traps focuses on exploit techniques rather than the exploit itself



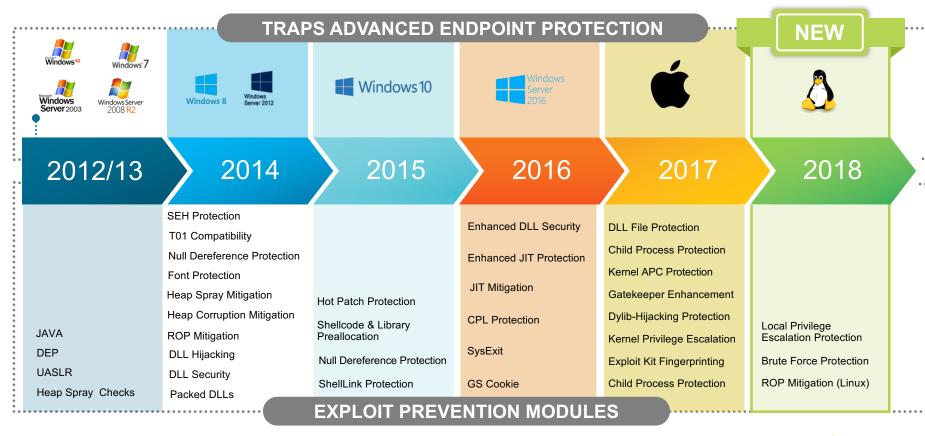
EXPLOIT PREVENTION FOCUSED ON TECHNIQUE



Multiple methods of prevention stop zero day attacks



SIX YEARS OF EXPLOIT PROTECTION INNOVATION





SPEED DETECTION AND RESPONSE TO SOPHISTICATED ATTACKS



Block Malware and Ransomware



Block Exploits and Fileless Threats



Stop Sophisticated Attacks



Coordinate enforcement across network, endpoint, and cloud



Accelerate investigation with analytics, context, and classification



Rapidly consume innovative detection and response capabilities

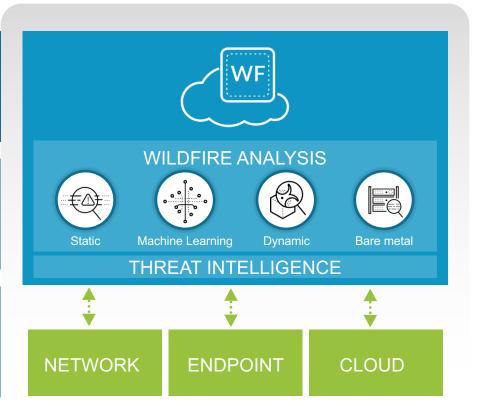


COORDINATED ENFORCEMENT

NGFWs & Traps send unknowns or suspicious files and links to WildFire

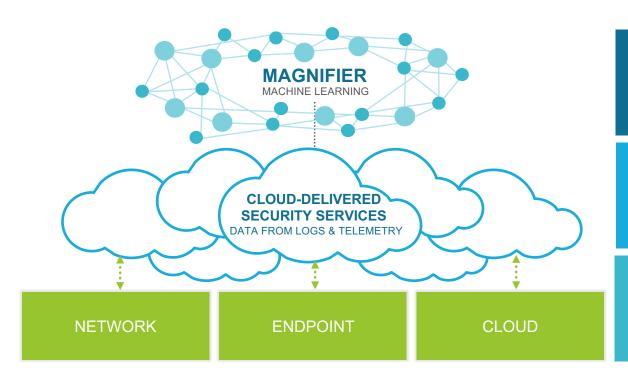
WildFire analyzes the unknown renders a verdict and shares threat intelligence

Automatically reprogram NGFW and endpoints to contain and prevent any new attack





MAGNIFIER BEHAVIORAL ANALYTICS



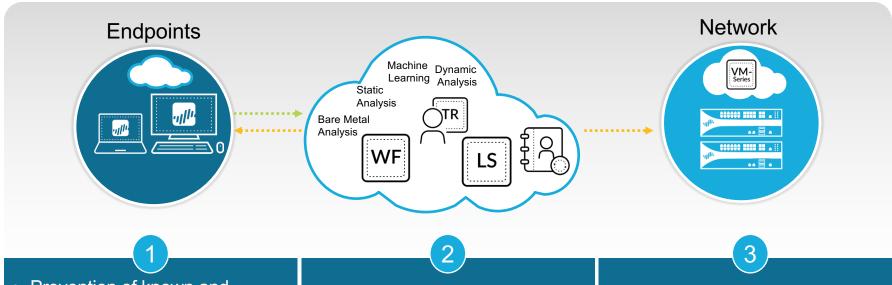
Analyze rich network, endpoint and cloud data with machine learning

Accelerate investigations with endpoint analysis

Gain scalability, agility and ease of deployment as a cloud-delivered app



PREVENTION FIRST WITH TRAPS

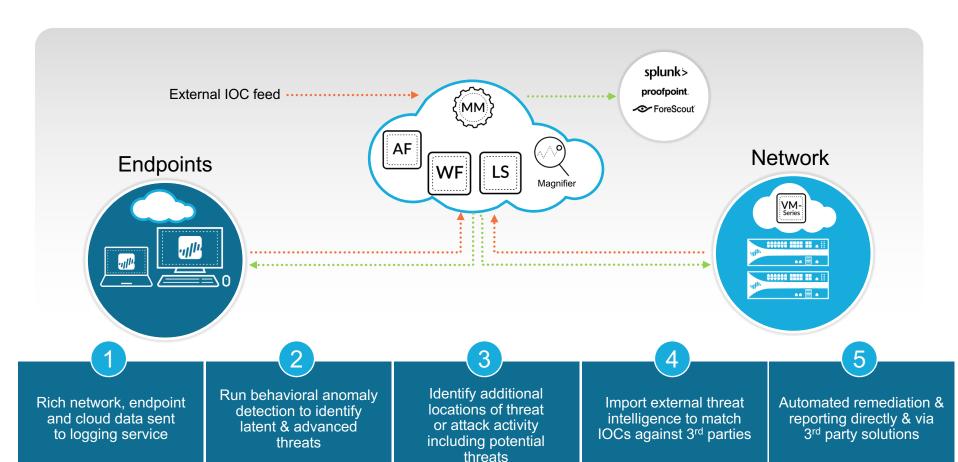


- Prevention of known and unknown exploits & malware
- Offline & online protection
- Protection for unpatched devices
- Support for cloud & Linux

- Wildfire analyzes the unknown renders a verdict and shares threat intelligence with NGFW
- Scanning to detect dormant malware
- Cloud based or on premise management
- Directory integration to create groups
- Logging service to enrich data



DETECT & AUTOMATICALLY RESPOND TO ADVANCED ATTACKS



USE CASE: GAIN ADDITIONAL CONTEXT ON MALWARE ATTACKS



Detect attacks based on rich network, endpoint and cloud data sent to logging service

Learn the actors behind the malware and the type of malware

Identify additional locations of threat or attack activity and neutralize

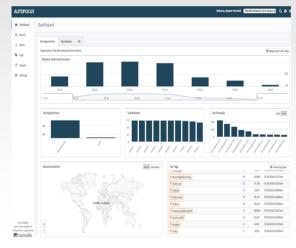


USE CASE: DETECT AND RESPOND TO NETWORK ATTACKS

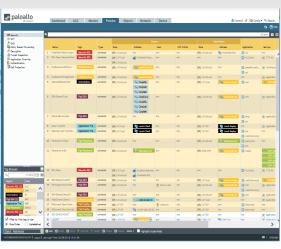
Magnifier

MAGNIFIER TEXACT MANAGEMENT New Administrative Behavior Action Ac

AutoFocus



Firewall



Detect attacks based on rich network, endpoint and cloud data sent to logging service Gain additional context by examining IP addresses or file hashes in AutoFocus to confirm attacks

Create policies in the firewall to isolate compromised machines or block access to C2 servers



Questions?



Common Questions

- Is Traps 5.0 available?
- How do I get access to 5.0?
- Is Logging service part of Traps?
- What about Android support?
- I bought Traps before 5.0, can I migrate to 5.0?
- How frequently do I need to upgrade Traps?
- What is the footprint of Traps?
- Where can I find more information on malware, exploits or attacks?
- ...



THANK YOU

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