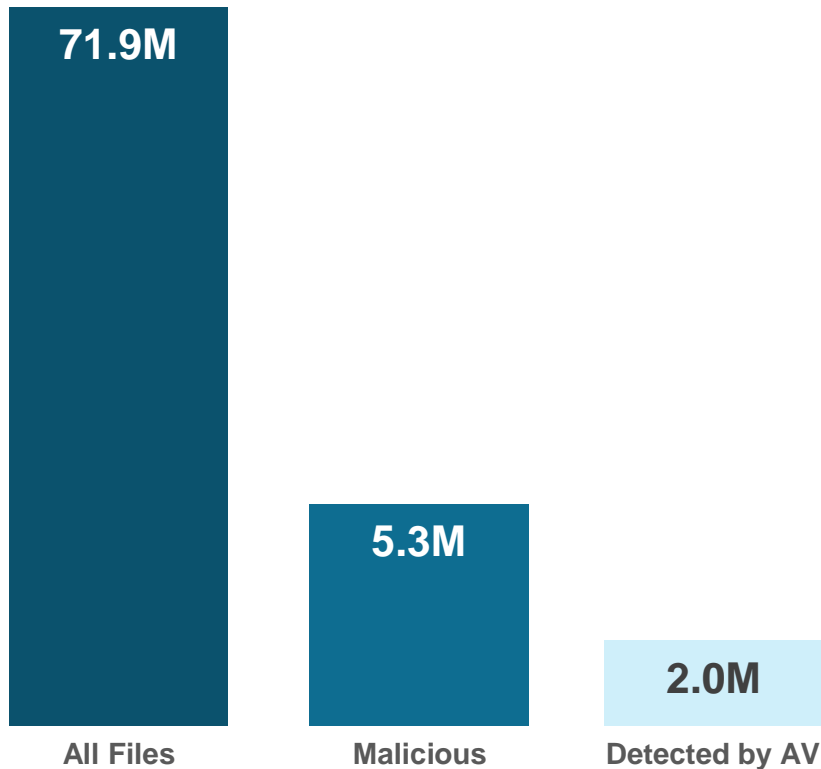


TRAPS
PROTECT YOURSELF FROM
ANTIVIRUS



WildFire Demonstrates the Shortcomings of Legacy AV



37.5%
Of the malware files seen by WildFire each month are detected by the top 6 enterprise AV vendors*.

*Average monthly values as of January 2016. Source: Palo Alto Networks WildFire and Multi-Scanner

Five Fundamental Capabilities Any AV Replacement Must Deliver



Prevention Focused



Malware Prevention



Exploit Prevention



Automated Prevention w/ Threat Intel



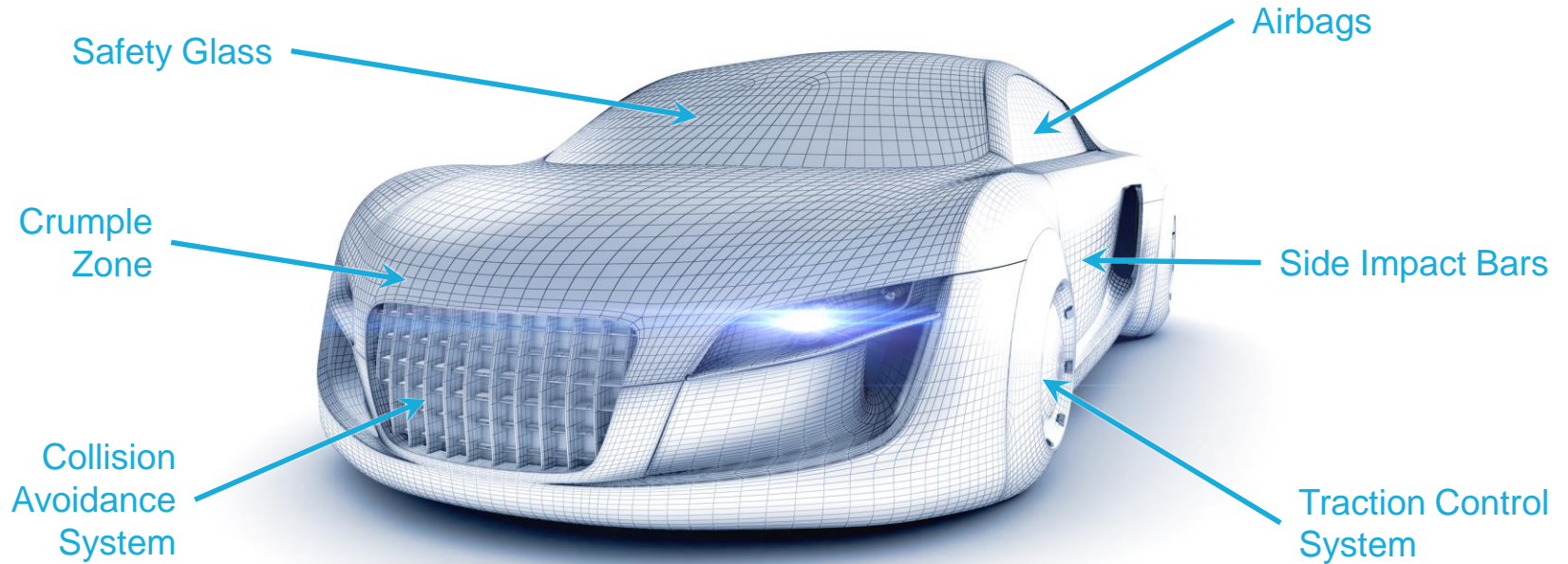
Persistent Protection

Detection & Response
Secondary to Prevention

Automatically Convert Known & Unknown/ Known & Unknown-Prem, Off-Prem into Prevention

Online, Offline
Connected, Disconnected
Zero-Day

Prevention Requires a Combination of Multiple Purpose-built Methods



Traps *Multi-Method* Approach to Prevention

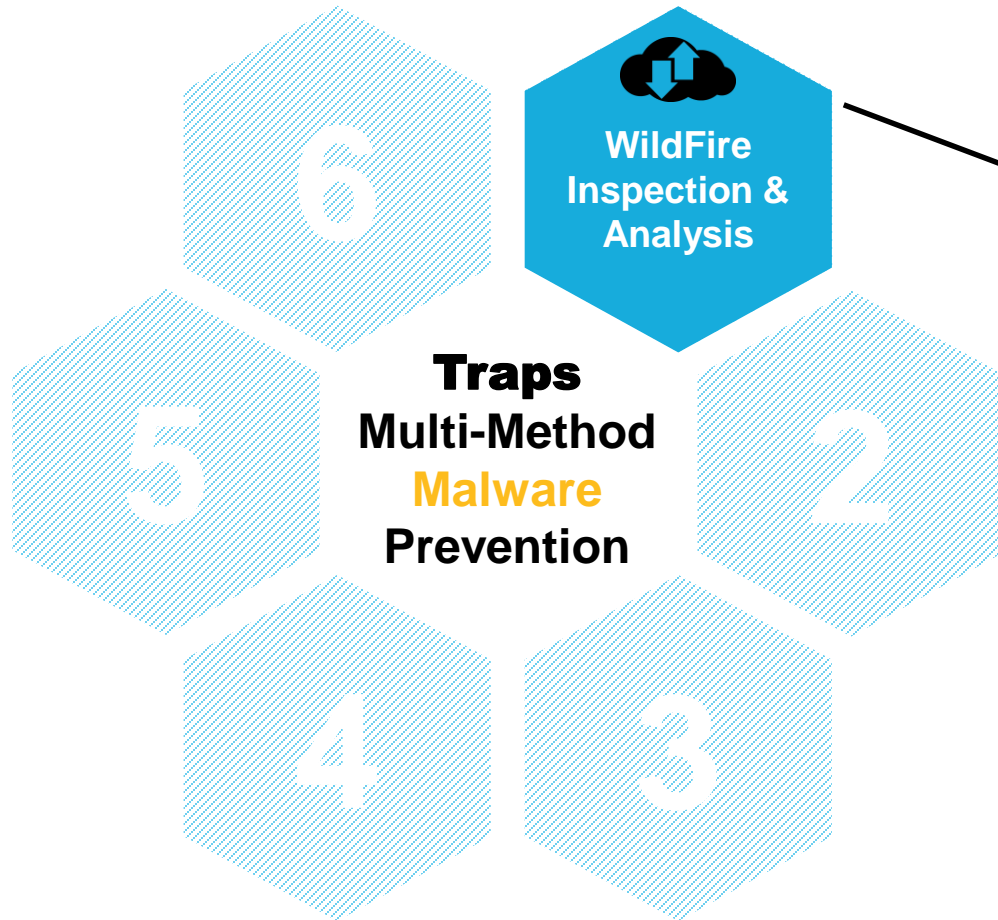
**Combines
Multiple
Prevention Methods**

**Multiple
Purpose-built
Techniques per Method**

Maximum Coverage
for Each Attack Type

Maximum Accuracy
from Purpose-Built Techniques

Methods Tuned
for Their Strengths



**Traps
Leverages
the Power
of WildFire
to Prevent
Known
Malware
and to
Detect
Unknown
Malware**

WildFire Detects *Malware* Using Multiple Methods & Techniques

Static Analysis

File Anomaly Detection

Static Signatures

String & Code Block Detection

Machine Learning &
Static Analysis

Dynamic Analysis

Full Execution Analysis

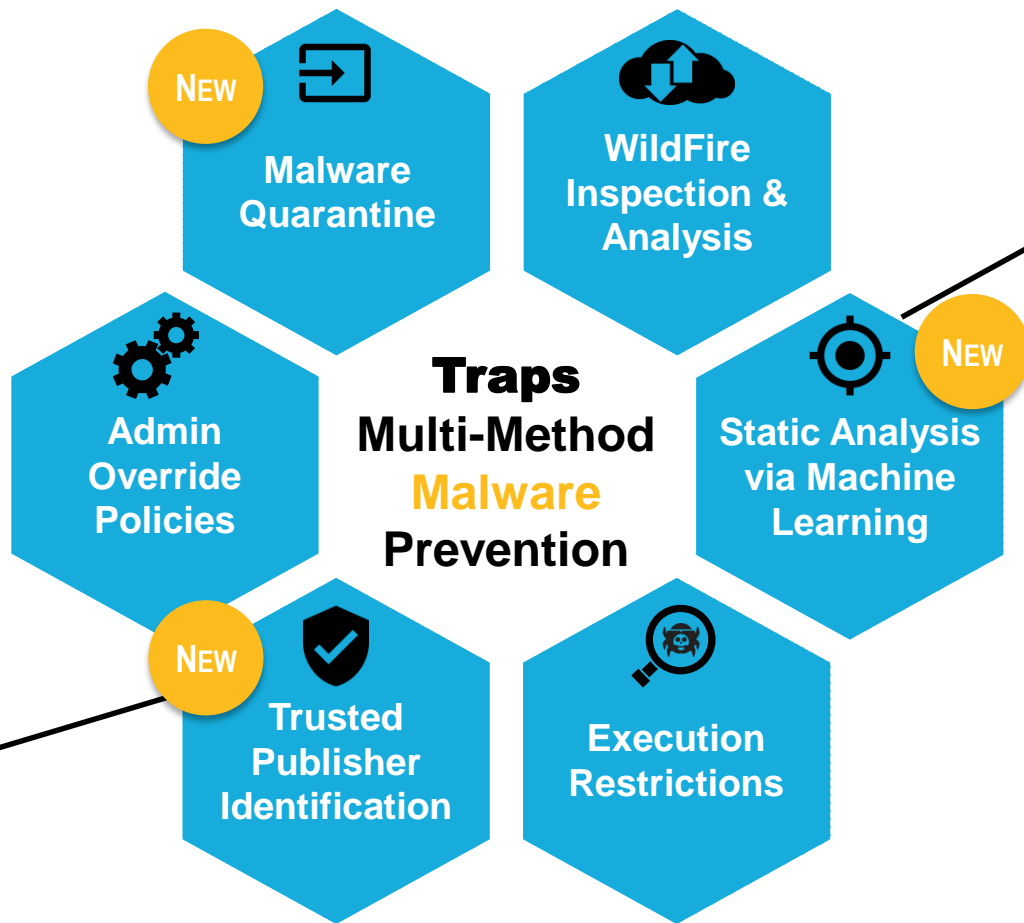
Multi-version
Execution Environment

Multi-dimensional Scoring

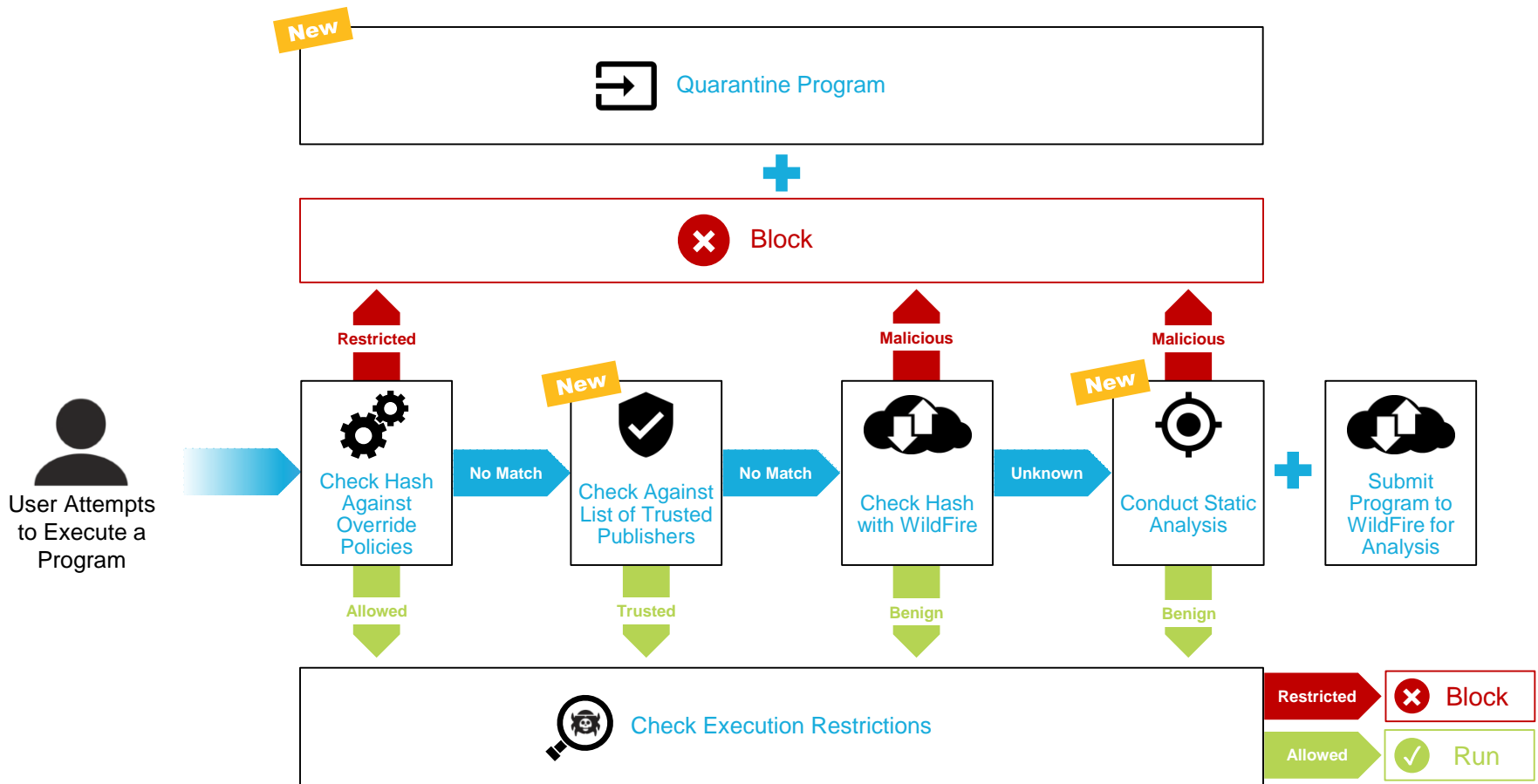
Network
Traffic Analysis

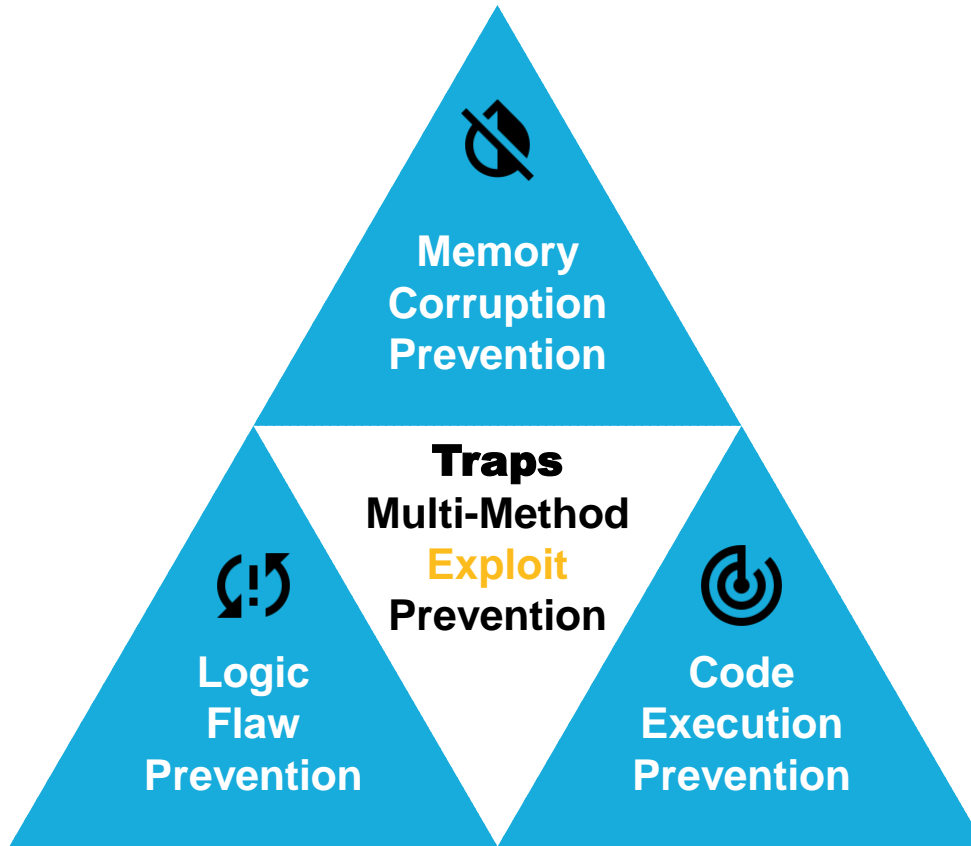
**WildFire Turns the *Unknown* into the *Known*
in About 5 Minutes**

Identifies and Allows New Executable Files that are Digitally Signed by Trusted Software Publishers to Run without Unnecessary Analysis

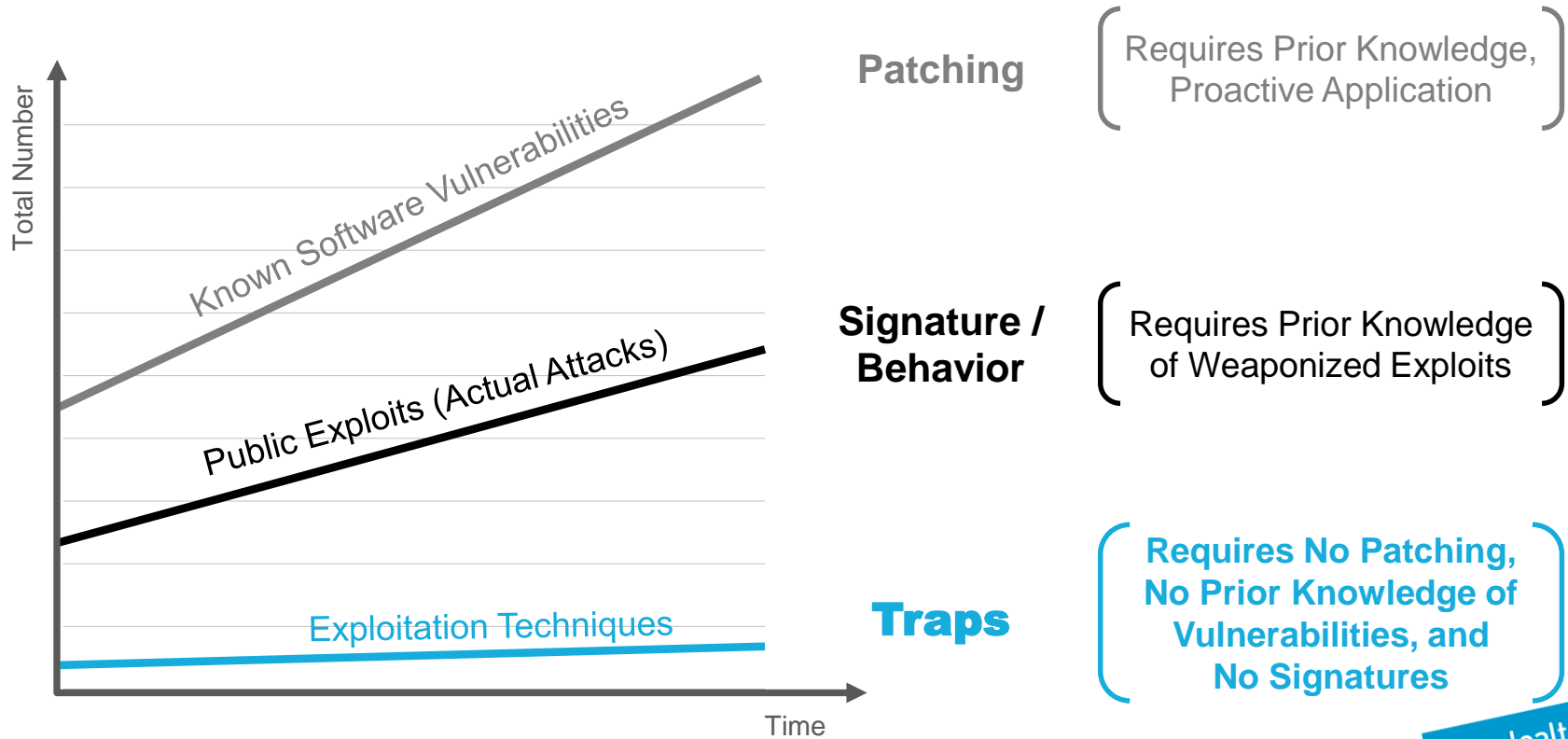


Static Analysis Prevents Malware Variants that Have Never Been Seen Before

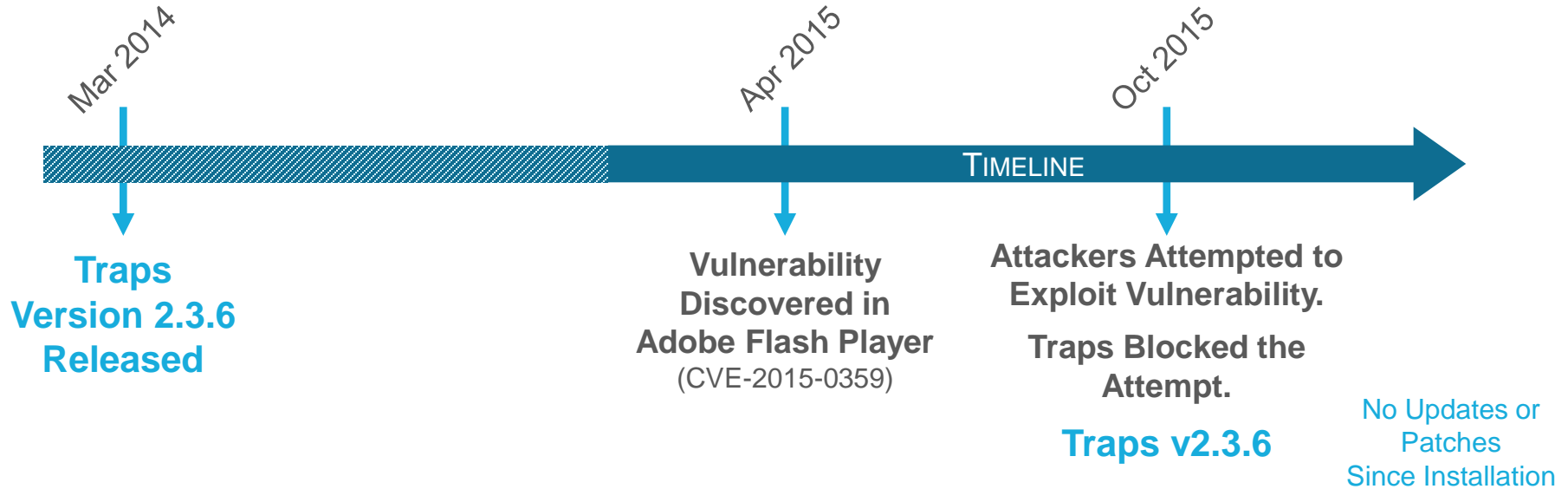




Traps Prevents Exploits At Their Core



Value of Technique-based Exploit Prevention



Traps Prevents Zero-day and Unknown Exploits That Have Yet to be Discovered

Traps vs. Top 10 Zero-Day Exploits of 2015

Discovery Date	Application	Exploit Identifier	Did Traps Block Zero-Day Exploit?
January 23, 2015	Flash	CVE-2015-0311	✓
March 13, 2015	Flash	CVE-2015-0336	✓
April 14, 2015	Flash	CVE-2015-3043	✓
June 23, 2015	Flash	CVE-2015-3113	✓
July 8, 2015	Flash	CVE-2015-5119	✓
July 14, 2015	Office	CVE-2015-2424	✓
July 14, 2015	Flash	CVE-2015-5122	✓
September 8, 2015	Office	CVE-2015-2545	✓
October 15, 2015	Flash	CVE-2015-7645	✓
December 28, 2015	Flash	CVE-2015-8651	✓

Next-Generation *Preventive* Endpoint Protection

Replaces Legacy Approach to Antivirus with Next-generation Multi-Method Prevention



Leverages Multiple Purpose-built Techniques for Maximum Accuracy in Preventing Malware



Adds Most Complete Multi-Method Exploit Prevention Available



Requires the Smallest Footprint Possible

Next-Gen Security Platform Converts Intelligence into Prevention, Automatically!

