Panda Security

Corporate Presentation

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Great minds and Global Presence

From 1990, Panda Security has become the leading European multinational developing **advanced cybersecurity** solutions, management, and monitoring tools.

We protect
+200M
devices

We care for
+30M
users

We are
+600
employees

Innovating for
27
years

Distribution in
+180
countries

Offices in
55
countries

We have
16
subsidiaries

We speak
23
different languages

The very best put their trust in us

Panda Security named a Visionary in Gartner's Magic Quadrant for EPP

Figure 1. Magic Quadrant for Endpoint Protection Platforms

[1] Gartner 2018 Magic Quadrant for Endpoint Protection Platforms, Ian McShane Eric Ouellet Avivah Litan, Prateek Bhajanka, 24 January 2018

- Gartner[1] describes **EPP Visionaries** to those that:

"… ***deliver in the leading-edge features —*** *such as cloud management, managed features and services, enhanced detection or protection capabilities…* ***— that will be significant in the next generation of products, and will give buyers early access to improved security and management."***

"Panda Security's ***unique value proposition*** *is the classification or attestation of every single executable file and process on a protected endpoint device,* ***and it is the only vendor to include a managed threat hunting service in the base purchase of its EPP****. Adaptive Defense 360 is fully cloud managed, and combines EPP and EDR into a single offering and single agent. "*

Panda Adaptive Defense 360 provides both managed services, at no extra cost:

100% Attestation Service

Threat Hunting & Investigation Service

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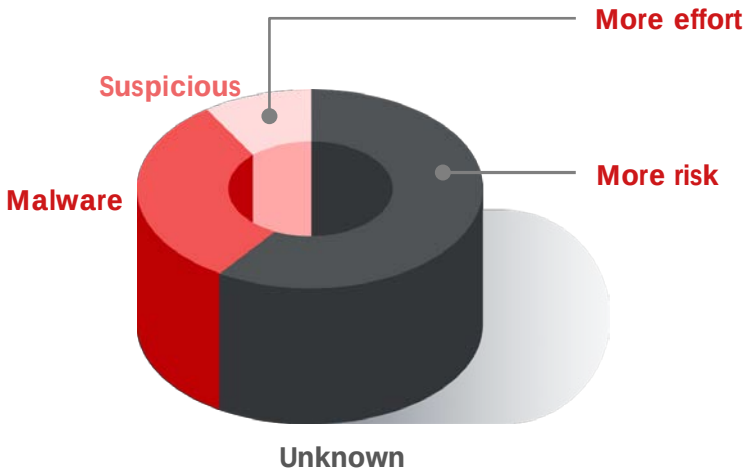
[2] Gartner, "Redefining Endpoint Protection for 2017 and 2018", Ian McShane, Peter Firstbrook, Eric Ouellet, 29 September 2017

The Prevailing Paradigm…

… is based on **punctual detection** only of **known malicious processes**, this means that:

- All **suspicious activity** has to be **investigated case by case**.
- **All unknown malicious processes are allowed**. That's why attackers skirt around these systems so easily, and their **attacks' success rate is so high**.

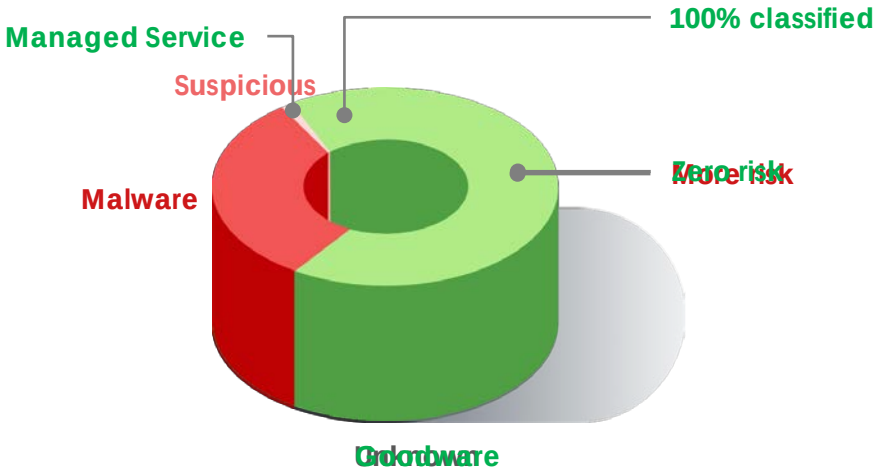


- The result is a higher success rate in attacks, a detection gap.

The Prevailing Paradigm…

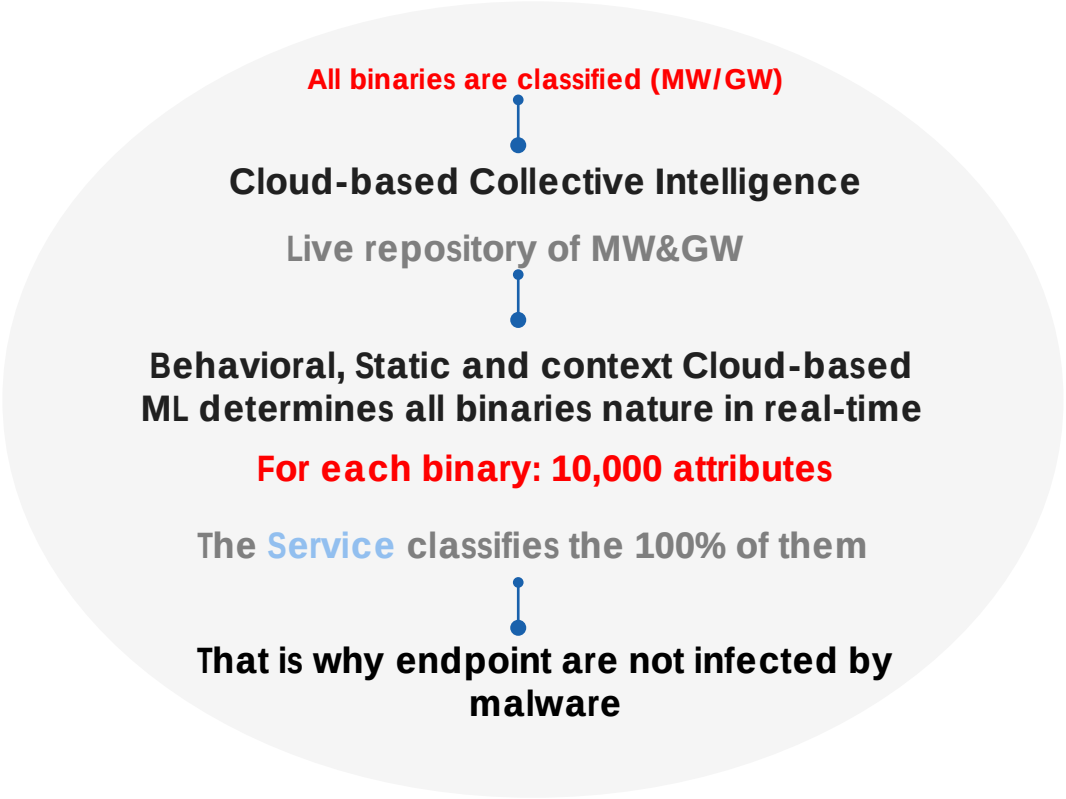
It is based on the **classification of absolutely all running processes** on your network.

- All **activity of all programs is monitored and analyzed in real-time**.
- All **behaviors are verified by a managed service**, the admins don't have to investigate anything.
- **Higher level of protection with fewer effort.**

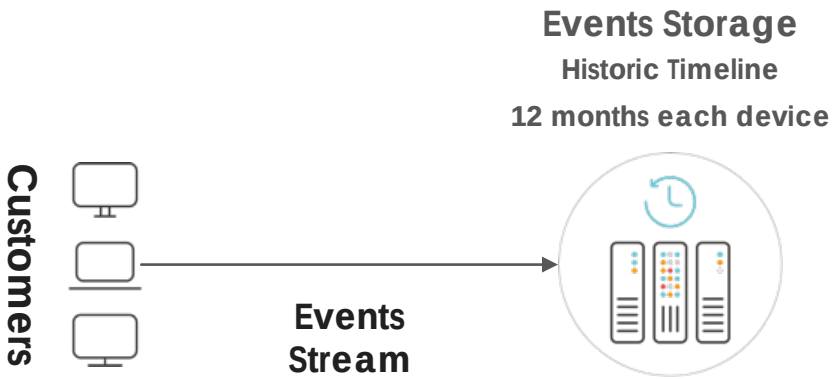


- No application, process, DLL, or script can run unless it is trusted
- The result is a higher protection rate with minimum effort

Mission: Allow to run only binaries Certified by us



Event Telemetry



Main events gathered:

Process
- Creation
- Injections

Files
- Creation
- Modification
- Open

Communications
- IPs Origin and Destiny
- Downloads (URLs)

Registry
- Creation
- Modification

Administrative
- Installation
- Turn on/off

The Platform

Global Numbers

~4,000 Events per machine daily

~4 Billions Events processed Daily by Big Data

~500 Billions Events stored (last 12 months)

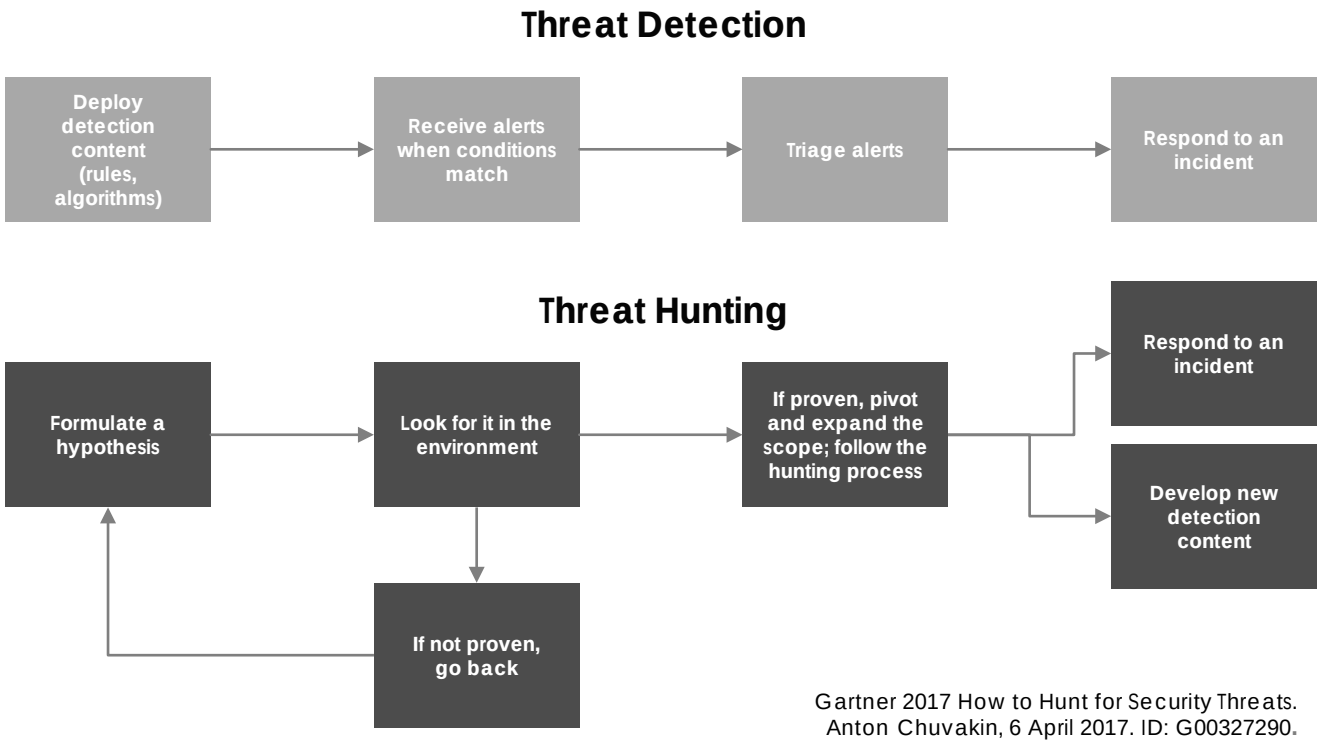
~5,5 Billions Classified processes by Attestation Service

~2,3 Millions New undiscovered Malware &PUP found

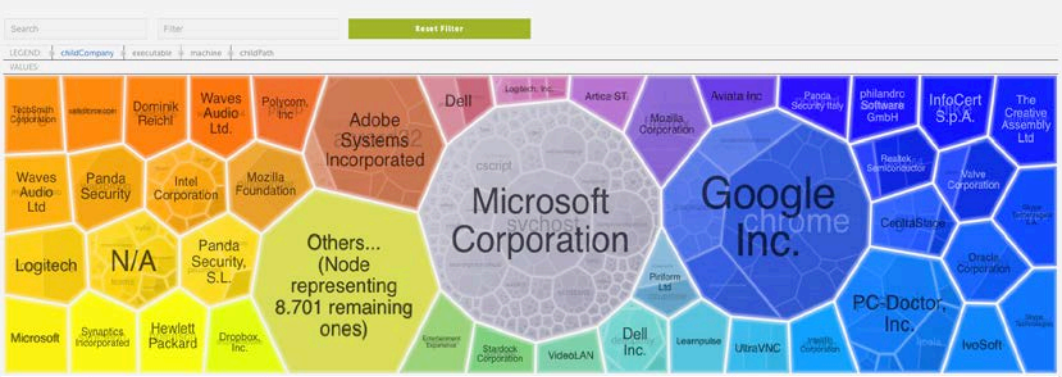
99,98% 0,02% 99,98% by Machine Learning 0,02% by Analysts

Threat Hunting

Gartner's Definition: Threat Hunting vs More Traditional Methods of Threat Detection



Gartner 2017 How to Hunt for Security Threats. Anton Chuvakin, 6 April 2017. ID: G00327290.

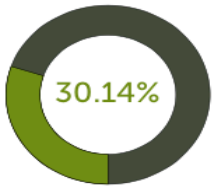


Priority	Alert	Detailed Information	When
●	Executions of Vulnerable apps per endpoint today	The number of vulnerable application executed today in endpoint DESKTOP-E4DU89A is 2	10 hours ago

Real time stats

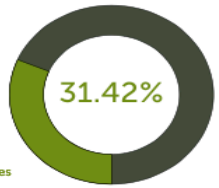
Now 0 EPS - 10.73 Byte/s

Updated 10s ago Average of 5m compared with the max of 6h



MIN 0 MAX 5

2 EPS



MIN 231.96 Bytes MAX 2.17 KB

856.32 Bytes/s

Favorite Queries

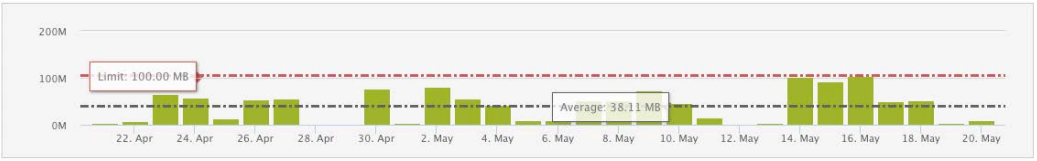
Alias	Last access date
mycustom.analisys	04-13-2018 11:39
oem.panda.paps.processnetbytes	03-05-2018 22:59
oem.panda.paps.socket	03-05-2018 19:59
oem.panda.paps.processnetbytes	01-23-2018 09:51

Events Sent

Time Range: 1 day Period: 5 minutes

Size Events Sent

Time Range: 1 month Period: 1 day



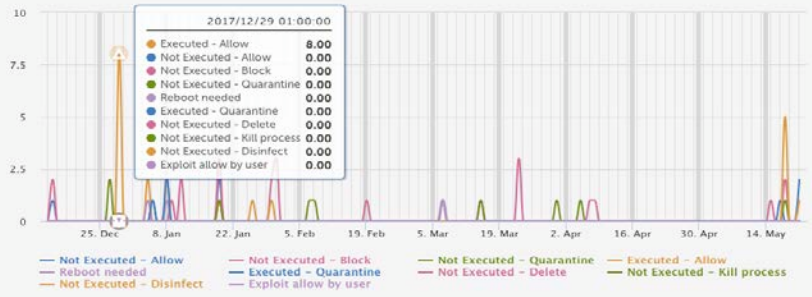
Map

Destinations of outbound network traffic

User operations by device type on PII files

USER	DEVICE TYPE	OPERATION	COUNT	%
AzureAD\CH-LaraZubac	Fixed	Open	64599	87.13%
NT AUTHORITY\SYSTEM	Fixed	Open	2606	3.51%
AzureAD\CH-LaraZubac	No_Root_Dir	Open	1533	2.07%
AzureAD\IT-GianlucaBuscoArre	Fixed	Open	1119	1.51%
AzureAD\CH-SelineMeixner	Fixed	Open	800	1.08%
AzureAD\IT-GiuseppeRizzoPinn	Fixed	Open	441	0.59%
AzureAD\CH-GeorgesSallin	Fixed	Open	422	0.57%
AzureAD\IT-LucaSettino	Fixed	Open	349	0.47%
AzureAD\IT-LauraBiraghi	Fixed	Open	313	0.42%
NT AUTHORITY\SYSTEM	No_Root_Dir	Open	266	0.36%

Incidents Execution status




Demo
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