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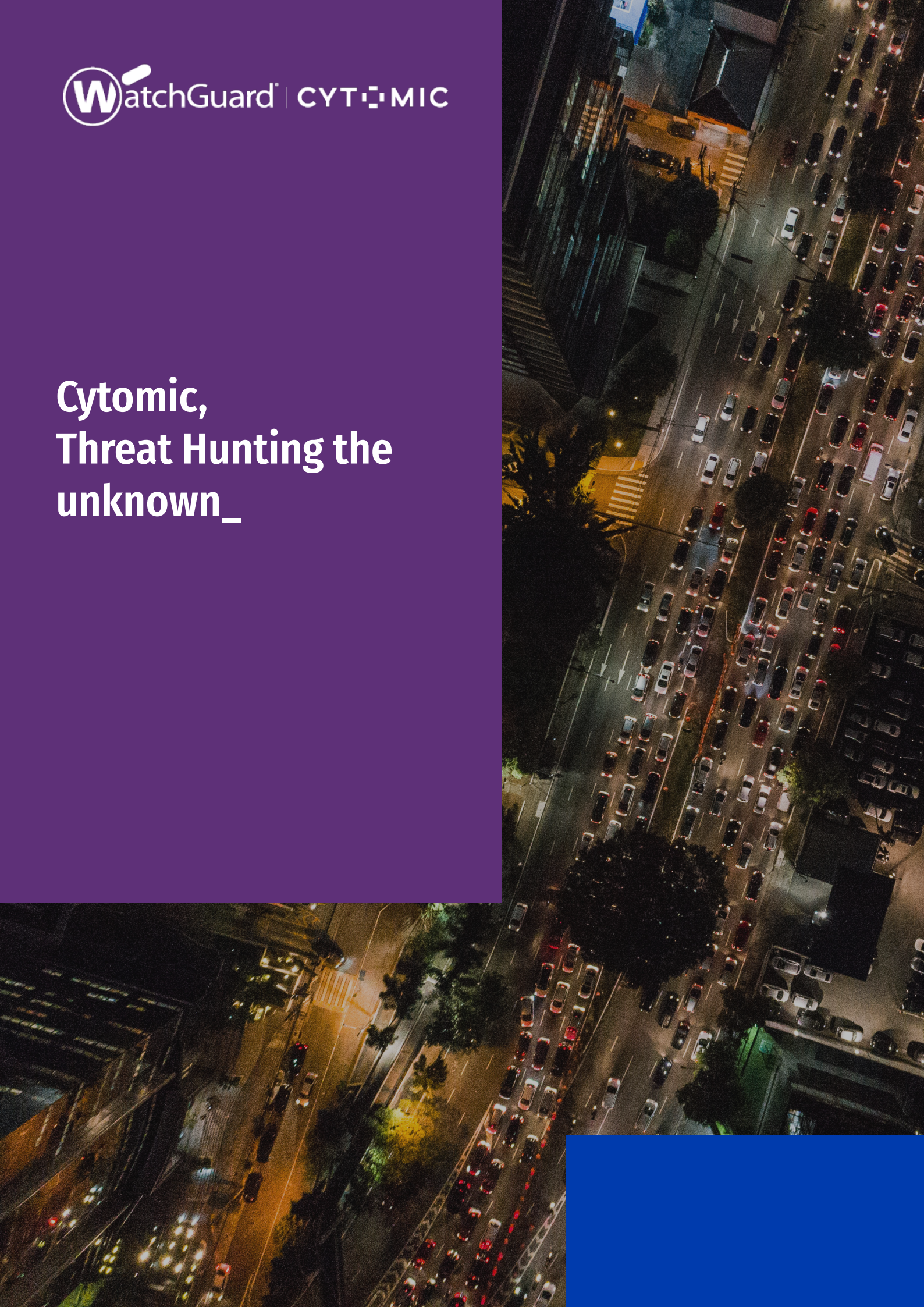
Cytomic, Threat Hunting the unknown_



WatchGuard Cytomic

There's no denying the fact that at present, cybercrime is in an extremely serious state. Data reveals an increase in the number **(11% more every year) and sophistication of attacks, as well as in the business costs incurred (**$550 billion).

Although the increase in cybersecurity investment **(+9.8%, €100 billion)** has led to a greater level of protection, there is no such thing as total security. It is no longer enough to sit and wait for the attacker.

More sophisticated and prolific cybercrime_

↑11%
Security incidents in 2019 (1)

39s
Seconds between one cyberattack and another worldwide (2)

2,244
Daily cyberattacks (3)

Greater cost of Cybercrime_

550 € Billion
Global cost of Cybercrime in 2019 (4)

71%
Of attacks were financially motivated (5)

25%
of attacks aimed at espionage (5)

Higher budget to tackle Cybercrime_

↑100 € Billion
Global spending on cybersecurity 2019 (6)

981€
Average cybersecurity spending per employee (7)

50%
of budget in 2020 will go to managed services (7)

This reality forces companies to adopt a model to actively hunt for threats, and to evolve their advanced security programs, combining:

- **Strict preventive measures** with an exhaustive reduction of the attack surface and a strict control over which applications can run.
- **Robust, proactive detection and response capabilities** for incidents caused by attackers who manage to get through existing controls.
- **Augmenting their security teams with experience, technologies, and processes that allow them to detect, contain and efficiently respond to attackers on the network.**

  In this process, the organization's security team can already be highly specialized and mature, while in others, the organization delegates to its MDR (Managed Detection and Response) service provider, either fully or partially.
- **Adopting managed Threat Hunting services**

  The managed threat hunting services are designed to fill the gap in organizations that don't have the right profile. In this scenario, the external provider with resources, technology and processes is responsible for proactively discovering evidence of the attacker on the network.

Cytomic and its portfolio of solutions and managed services help these organizations and their service providers to develop and automate their advanced security programs:

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Challenges in the evolution of the security program_

There are several challenges facing organizations and their **security (SOC) and incident response (CSIRT) teams** when it comes to implementing and strengthening their security programs.

Lack of cybersecurity experts

By 2021, there will be 3.5 million unfilled cybersecurity jobs in the world(8). As a result, many organizations that don't have these specialized teams will be highly susceptible to attacks. This will directly impact their transformation strategies, as well as their results.

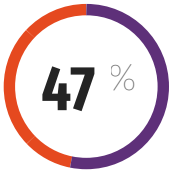
The "fatigue" effect creates inefficiencies

SOCs are overwhelmed with multiple security solutions to managed (Platform fatigue), being forced to divide their time and attention between different programs, sensors, data sources, logs, and unfiltered and un-prioritized alerts (alert fatigue) There are too many places and elements that must be carefully analyzed to detect threats. This situation has a negative impact on operations and increases risks.

Insufficient detection and response times

While attacks continue to become more sophisticated and more frequent, organizations spend countless hours manually identifying malicious threats. At best, this is a long process, which gives time for attacks to spread to the whole organization and cause damage.

This is why it is vital to strengthen security teams with managed **services or security platforms that automate detection and response,** and manage the Incident Response process between systems, minimizing the impact on the organization.



Of security alerts are ignored[9]

197 days

Is the time it takes to identify an attacker on the network (Global MTTD) [10]

266 days

The time to implement measures to contain the attacker (Global MTTR) [10]

Instead of waiting to resolve incidents, security teams must make use of telemetry from EDRs to proactively hunt for threats by identifying suspicious behaviors or those that go against security policies.

What is Cytomic?_

Cytomic is a new unit of **Panda Security**. Its differentiated value proposal is based on combining security solutions and managed services to efficiently hunt threats and respond to incidents.

Its commitment is to support organizations in their **process of maturing towards an advanced security program,** with their own security and incident response teams, or delegating it to their security service provider (MSSP, SOC, MDR and CSIRT).

Cytomic also actively accompanies these specialized vendors, providing them with EDR platforms and tools that are unique on the market, allowing them to expand **their portfolio to hunting and incident detection and response services,** all with a reduced time.

Cytomic leverages the security model followed by Panda 3 Trillion events in the Data LakeSecurity, which proactively neutralizes cyberattacks that use any kind of malware or exploits, or exhibit anomalous behaviors on the endpoints. With this, it offers a framework of solutions and services focused on:

- **Discovering attackers using living-off-the-Land and malwareless techniques** in their attempt to get around existing controls and compromise the organization.
- **Accelerating the endpoint investigation, mitigation and response process.** Actions that, when faced with a crisis, the SOC would otherwise have to perform manually, with no guidance, and which are costly and inefficient.

Scalable data analytics_

The platform is optimized to prevent attacks, and detect, investigate and respond to incidents. It processes large volumes of events and attributes from the exhaustive monitoring of endpoint activity, using several AI algorithms and techniques, all in real time.

Cytomic's expert cybersecurity team supervises the platform and its results.

+70 Billion	**events per week**
3 Trillions	**events in the Data Lake**
2 Millions	**New binaries classified every week**
300 thousand	**New binaries classified every day**
365	**Events retained every day**

The Cytomic platform_

Cytomic's value proposal is based on scalable processing capacities on its cloud-native platform, which can be extended via its API.

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Value proposal_

Greater SOC efficiency, lower MTTD and MTTR

- **Real time monitoring and visibility**
- **365 days of visibility, enriched telemetry**.
- Zero compromises with malware attacks thanks to the Zero-Trust Application Service.
- **Threat Hunting Service included in products**
- Detection of anomalous behaviors.
- Exploit-based attacks blocked.
- **Retrospective and real time IoC search.**
- **Advanced alerts are prioritized and mapped on the MITRE ATT&CK framework.**
- Tools for hunting, anomaly detection, triage and investigation with pre-created data scale data analytics.
- **Massive and remote containment and remediation**

Cooperation of SOC's technological stack

- **API-First architecture that enables**:
  - Integration into the SOC's stack
  - Automation of use cases to endpoint remediation
- **Investigation in the SIEM or delegated to the Cytomic platform,** specialized in scale endpoint analytics.•
- **Integral incident response from the SOC.** Endpoints are actionable from the Cytomic platform or from any element in the stack.

Easy roll-out process

- **Single cloud-based platform. Single lightweight agent.**
  - No servers or maintenance staff.
  - Roll-out in seconds. Minimal implementation costs.
  - Lower cost of cybercrime by increasing efficiency of prevention, detection, containment and recovery for incidents.
  - Facilitates analysis of the root cause, and continuous improvement of security posture.

Proactive detection. Threat hunting.

- **Services included in products by default:**
  - **Zero-Trust Application Service.**
  - **Threat Hunting Service.**
- Additionally, managed threat hunting services.
- **Telemetry service on the corporate SIEM.**

Capabilities of the Cytomic Platform_

•Triage tools, and automated or guided investigation tools

• Jupyter Notebooks: Pre-constructed and extensible investigations.

• Proprietary threat hunting and analytics library

• Endpoint containment and response from the cloud

• Jupyter Notebooks: reusable and self-explanatory report templates

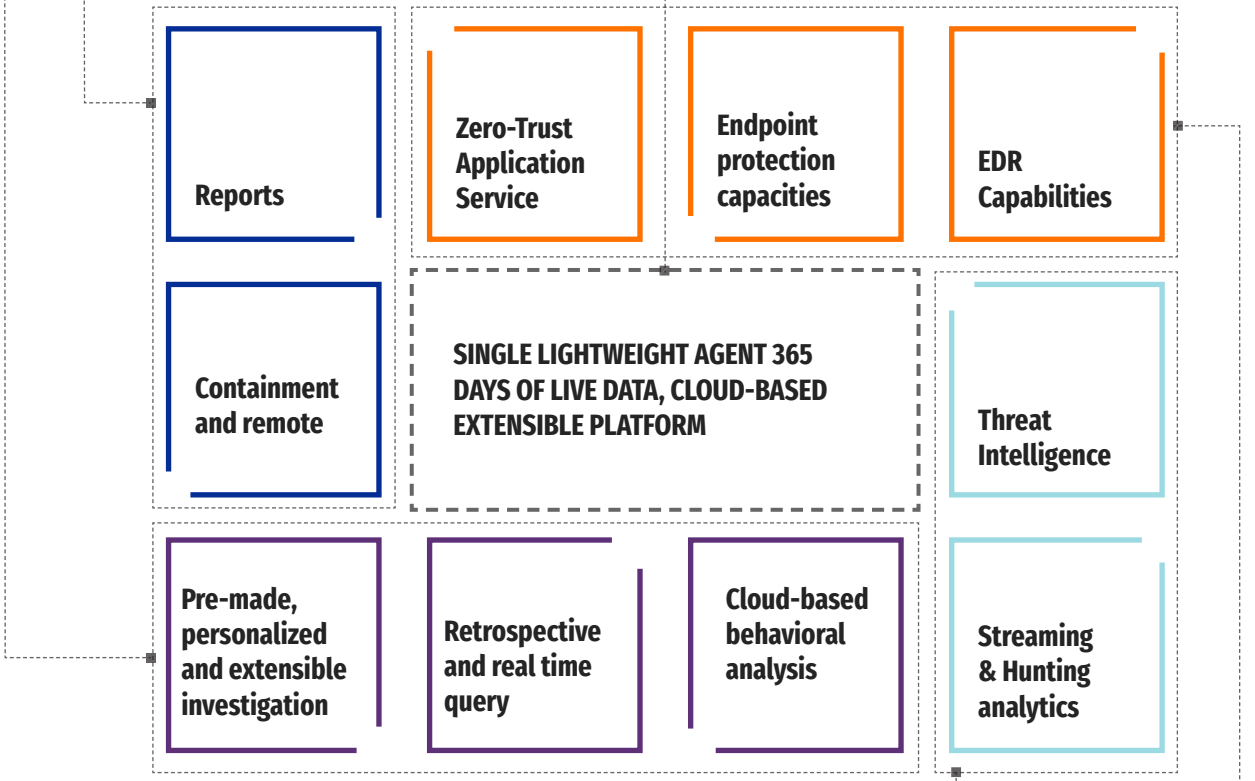
• Single lightweight agent

• Filtered, normalized and contextualized telemetry

• Telemetry available for 356 days. Real time and retrospective hunting and investigations

• Cloud platform: Lower cost, greater performance with 24/7 cloud delivery.

• API-First architecture that encourages the exchange of data and actions on the SOC's stack.



•Cytomic threat intelligence, public sources and other organisms (CERTs, CTA, etc.)

•Detection of TTPs based on our knowledge and that of third parties (MITRE etc.)

• Contextualized and prioritized alerts.

• Threat Hunting tools to speed up the discovery of other anomalous activities.

•Detection and prevention on the agent.

• Analysis of anomalous deterministic behavior on the endpoint.

• Zero-Trust Application Service stops any malware from running.

• Reduction of the attack surface: Advanced policies.

• Retrospective and real time searches of IoCs and Yara rules.

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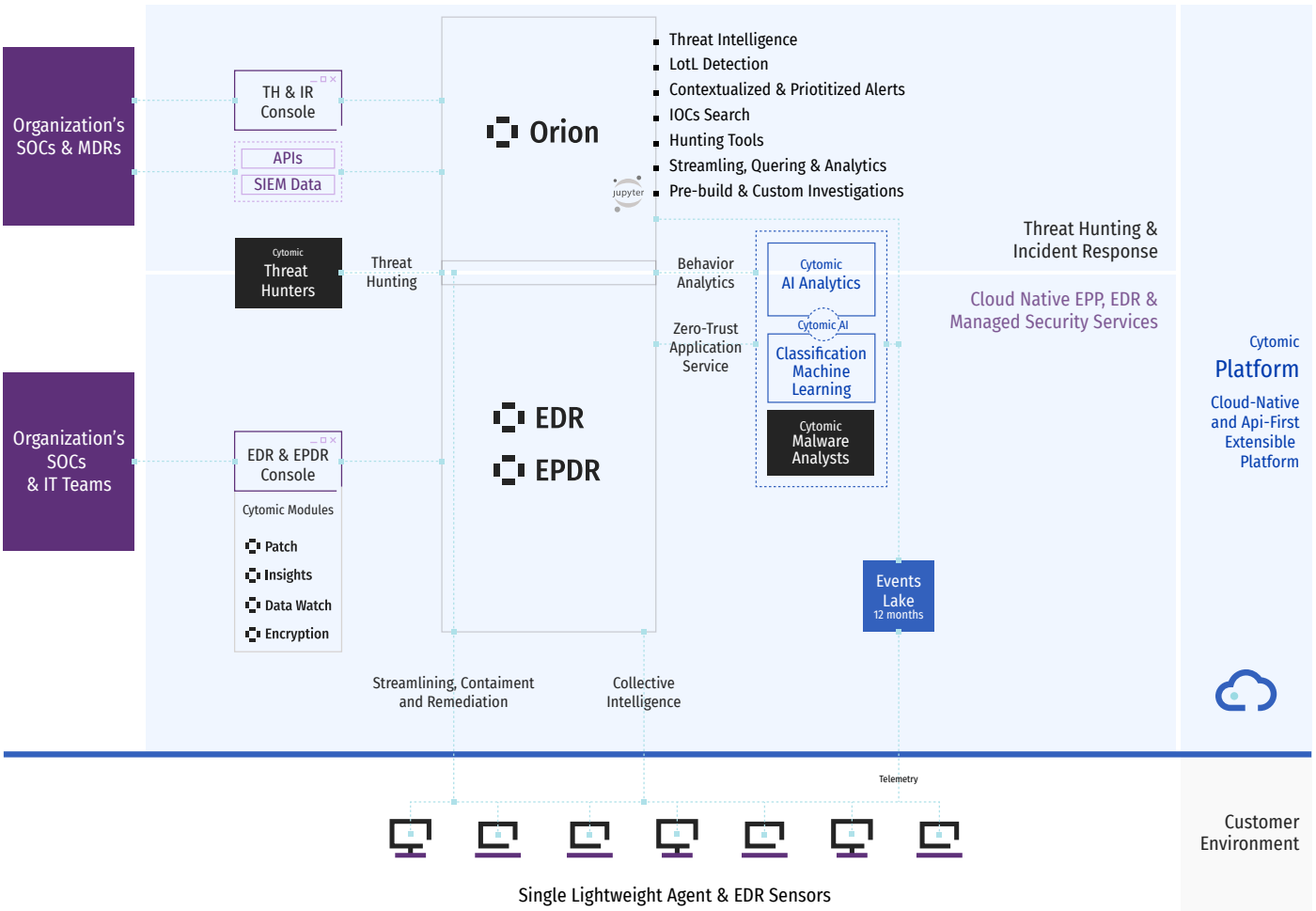
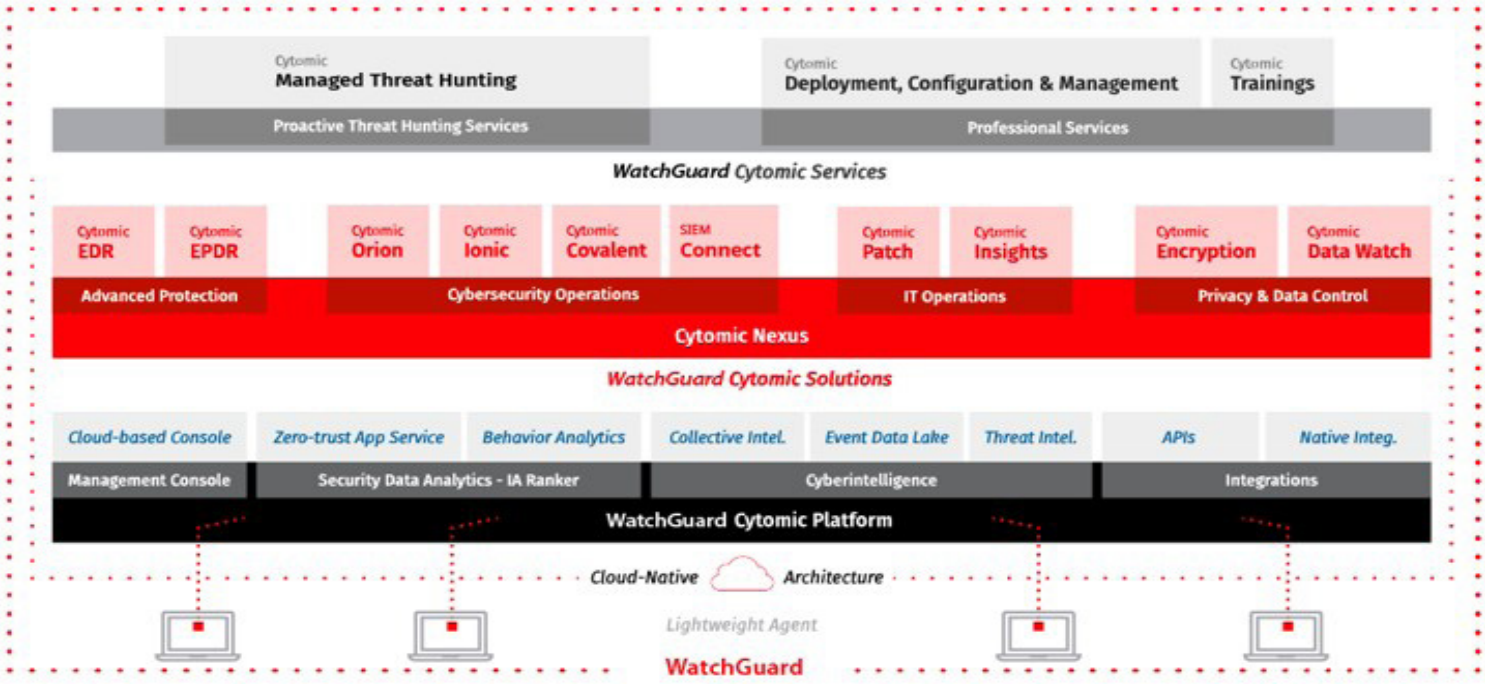
Cytomic Platform_



WatchGuard Cytomic Portfolio_



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Zero-Trust Application Service_

The **Zero-Trust Application Service** enables an unattended **"deny-all"** security model, with no alerts or delegation, and without affecting the organization's operations. **In this model, malicious applications are no longer a successful attack vector for adversaries.**

In Cytomic's advanced endpoint security solutions, all applications are stopped from running until they have been verified and certified by the service. Even if an application is approved, its activity is closely monitored to identify malicious behaviors.

This way, the service **definitively breaks the attack chain,** regardless of the nature of the malware. Trojans, worms, viruses, and of course, ransomware, are all eradicated.

The **Zero-Trust Application Service** combines different scalable technologies on the platform, stored on the Cytomic cloud.

These include **Collective Intelligence**, a repository of knowledge about legitimate and malicious applications, which is continuously fed with new internal and external knowledge from millions of protected endpoints. It also includes a **system based on scalable artificial intelligence in the cloud,** where different classification algorithms are run, from the simplest, such as similarity algorithms and decision trees, to the most complex, such as neural networks and deep learning models.

The system processes hundreds of static attributes, behaviors and contextuals from each binary in real time.

All of this is supervised by a **human team of malware experts with years of experience in heterogeneous environments.**

Malicious applications are no longer a successful attack vector for adversaries after being inspected and classified by the Zero-Trust Application Service.

Organizations' security teams benefit from this service, since it automatically filters malware-based attacks, and they can focus their efforts on malwareless attackers and scalable analysis of anomalous behaviors on the network.

300,000 **New application every day**

4 hours **Classification in under 4 hours**

8x5 **8/5 CET Service Window**

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The keys to **Living off the land** attack techniques _

Attacks that employ Living-off-the-Land (LotL) techniques make use of what is already on the organization's devices and servers, with no need to download or install any other applications. This makes them extremely stealthy.

There are five main types of LotL attacks:

- Double-use tools such as PowerShell or PsExec.
- Threats that run in memory.
- Fileless attacks, such as VBS code in the registry.
- Attacks in non-executable files, such as Office documents with macros and commands.
- Attacks that use Windows binaries (such as WMI) to run malicious activity—so called LOLBins.

What advantages to these techniques offer to attackers?

- They can freely get onto systems via secure entry points.
- They don't arouse suspicions at any phase of the attack: entry, lateral movements, etc.
- They are difficult to identify, since they are confused with legitimate use.
- They require very few resources, and there are few impediments to carrying them out.
- They don't require the creation, purchase, and download of new malicious applications.

Cytomic's advanced security solutions and managed services monitor, supervise and process endpoint activity at scale in search of anomalous patterns that are outside normal use.

Along with our technologies, the human element of the Cytomic hunters and expert analysts is critical to be able to adapt to the evolution of cyberattackers and their new techniques, both in malicious applications and in LotL tactics.

How to avoid LotL attacks?

- Limit the use of scripting languages. If it's not possible to do without them, reinforce alerts.
- Constant, detailed monitoring. This way, anomalous activity can be discovered before it can endanger the organization.
- Having security operations teams (SOC/CSIRT) to run the organizations incident response program. The SOC filters alerts about anomalous activity, rapidly investigating critical alerts and responding to the attacker before they can cause any damage. What's more, once recovered from the crisis, the SOC can analyze the attacker in order to develop new ways to reduce the attack surface, thus improving the organization's security posture.
- Threat hunters that are free from the day-to-day processes of Security Operations can focus their efforts of detecting evidence of intruders that have managed to get around the organization's preventive controls. Hunters include these malicious behaviors in SOC processes for future detections.

Avoid scripting language

Monitoring and followup

Threat Hunting services

Cyber-resilience

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Threat Hunting Service_

The threat hunting service included by default in all of Cytomic's endpoint solutions detects attackers using Living-off-the-Land techniques in any of the phases of the cyber kill chain.

Cytomic's team of cybersecurity experts manages and supervises the service with the technologies and capacities offered by Cytomic Orion.

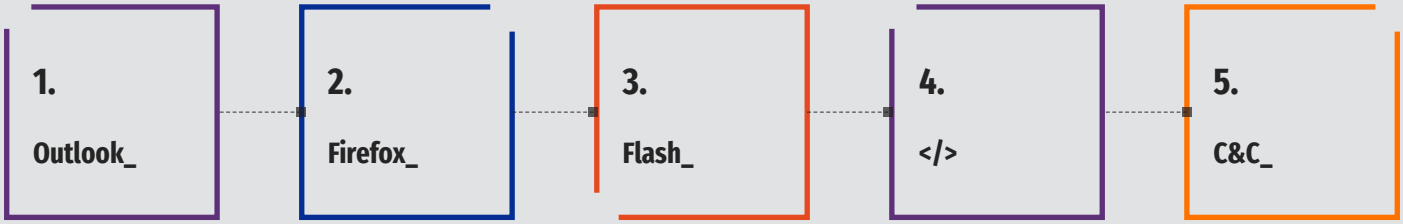
The **Cytomic Cybersecurity Team (CCST)** investigates the indicators of attack generated in the platform **by finding evasion and compromise techniques (TTPs) in the event stream.**

On the other hand, and **"always assuming compromise",** the hunters in this team proactively search for patterns of **anomalous behavior** not previously identified on the network. To do this, they create advanced hunting rules, such as work **hypotheses,** which are evaluated against the telemetry gathered in **real time and in the past 365 days.**

Should they come across an anomalous situation, the **customer is proactively contacted** by the team, providing **forensic analysis** of the affected systems, the origin of the attack, and the techniques used. They also provide **recommendations** on how to mitigate the attack and reduce the attack surface to avoid falling victim to future attacks.

Companies must assume that they have already been compromised. **There is no protection that covers 100% of attack techniques and anomalous behaviors,** present or future.

Hundreds of TTPs and advanced hunting rules are continually evaluated on endpoints' event streaming.



1. A user visits a website using Firefox from a phishing email.
2. This website loads with a vulnerable version of Flash.
3. Flash invokes PowerShell and introduces lines of command, operating from the memory.
4. PowerShell connects to a stealth command and control server, where a malicious PowerShell script is downloaded, that searches for sensitive information, which is sent to the attacker.
5. At no point does this attack download any malware, but it compromises the organization using Living-off-the-Land techniques.

Threat hunting service_

Security Data Science Unit_

This unit is in charge of the Zero-Trust Application Service, where the scalable cloud-based machine learning system ensures that 100% of discovered binaries are classified.

They also maximize the results of the threat hunting process, applying machine learning and deep learning techniques to the more than 10 billion daily events processed by the platform, automating the analysis from the anomalies identified in the form of pre-constructed, flexible and reusable Jupyter Notebooks.

Unit of threat specialists_

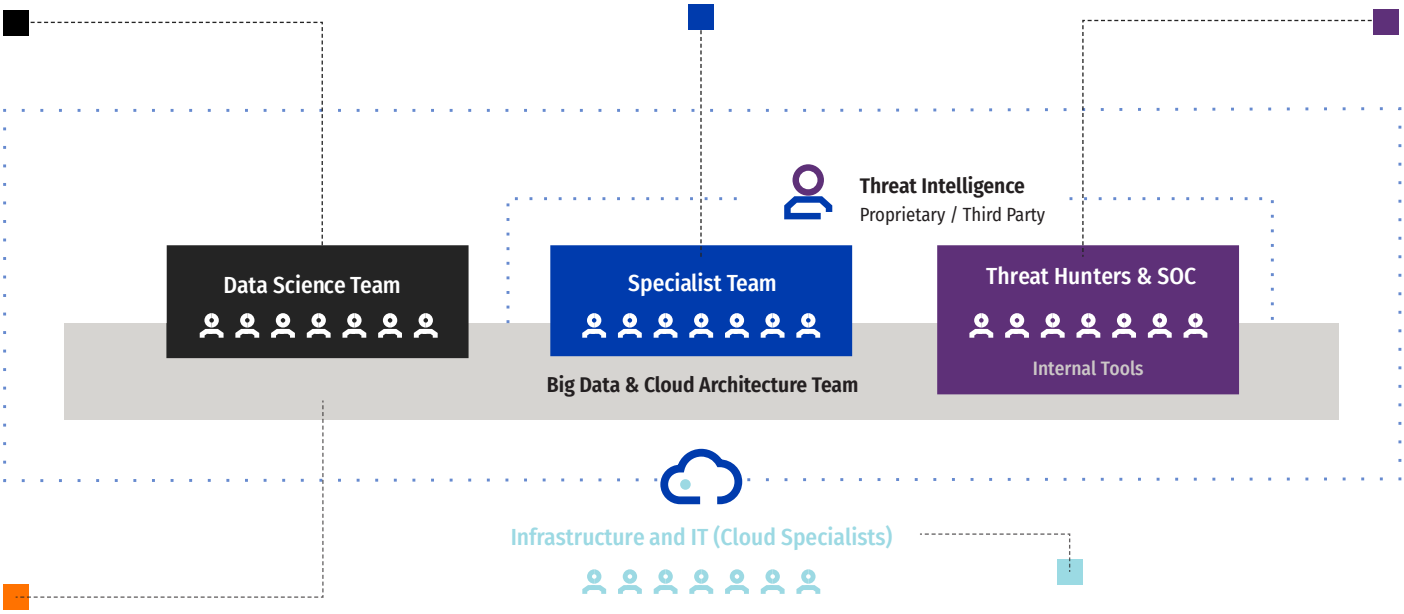
These specialists are key members that support the other units with their broad knowledge of threats and specific attack techniques. The team includes experts in:

- **Reverse engineering.**
- **Advanced artifact and TTP analysis.**
- **Threat intelligence source analysis.**
- **Specialists in vulnerability exploitation.**

Hunters and operations team_

They proactively search for anomalous behaviors, investigate and inform customers of any of the Cytomic threat hunting services.

Threat hunters are expert security analysts who detect new attacks or the beginnings of attacks on Cytomic customers by using Cytomic Orion, which allows them to investigate in the data lake of 365 days of events with a great level of depth and detail. The security operations team manages anomalies in behaviors (TTPs) indicators of attack (IoA).



Application unit and specific Notebooks for other units_

This unit serves the rest of the units, particularly the SOC and the threat hunters. For example, when a new sensor is needed on endpoints, or a new detection rule, or a new method in the threat hunting library to enable the detection of new evasion techniques.

Big Data and Cloud specialists unit_

The Cytomic platform can support immense volumes of events (70 billion per week), which must be processed in real time by complex machine learning algorithms, as well as being stored “warm” for 365 days in order to allow them to be processed massively and accessed at specific moments to allow investigations. The unit uses the latest cloud-based big data technologies so that the services fulfill preset levels.

Orion_

It is possible to get ahead of adversaries with real-time analytics and visibility.

Achieving efficiency in the detection of advanced threats is directly related to the quantity and quality of the events monitored on endpoints and the capacity to enrich them with intelligence and analyze them at scale.

Hunting cyberattackers requires this structured data to be taken massively in order to apply behavioral analytics, including AI, and allowing the results to guide analysts in a complete investigation and in immediate action on endpoints. **This capacity is practically out of the reach of many organizations.**

Cytomic Orion **speeds up incident response and the search for malwareless** threats based on scalable behavioral analysis from the cloud.

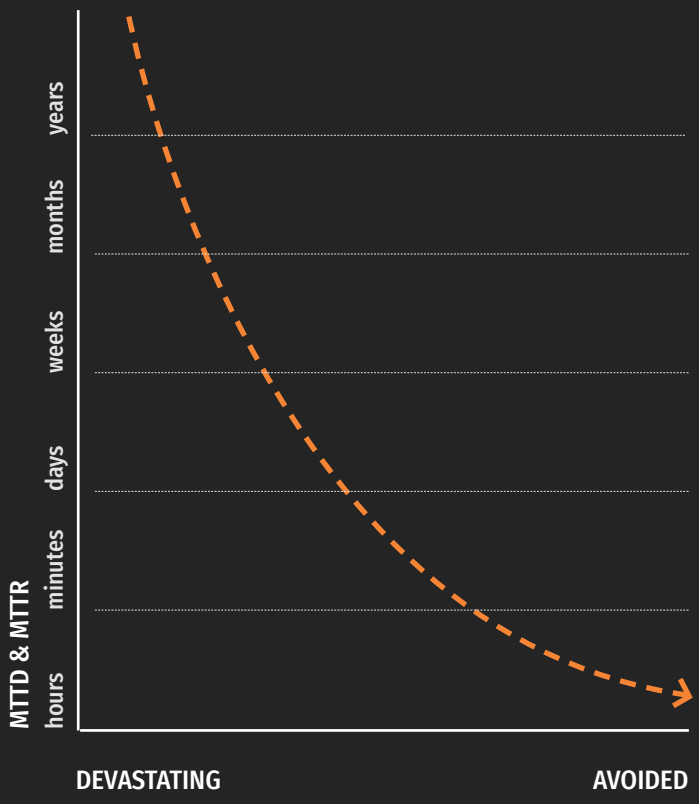
This is the analytic component of the Cytomic platform, where the gathering, enrichment and filtering of the millions of events monitored on endpoints and their context is all automated. Hundreds of algorithms and analytics rules are then applied to them, along with threat intelligence, in search of suspicious or malicious behaviors, in real time and retrospectively for 365 days.

Their tools, work consoles and pre-constructed analytics, such as the threat Hunting library and Jupyter Notebooks, allow an effective search for threats, accelerated investigations, and immediate actions on endpoints, from the very first day.

Pre-constructed investigations, Jupyter Notebooks, also favor a short learning curve for analysts and hunters, since they are self-explanatory, extensible and repeatable.

Its APIs and connectors allow for two-way integration with the SOC's technological stack, further speeding up discovery, investigation and action capabilities on the corporate network.

The impact of an incident is directly proportional to the MTTD and MTTR.



Cytomic Orion helps organizations to change their **security posture from defensive to offensive, and to reduce investigation** time, allowing analysts to swiftly correlate events and to test hypotheses.

Mean time to detect (MTTD). The average time needed to detect an attack. Requires additional investigation and response efforts.

Mean time to respond (MTTR). The average time to respond to and resolve the incident.

What SOC capacities are amplified with Cytomic Orion?

- Being prepared for an attack and running the Incident Response program.
- Agile and continuous hunting, investigation process. Improvement of security posture.
- Threat hunting with advanced consultations on the 365-day data lake.
- Attribution and mapping with hundreds of TTPs from the MITRE ATTA&CK framework.
- Real time and retrospective IoC search.
- Threat intelligence from the Cytomic platform and external sources.
- Expertise in in-depth investigations and investigations guided by tools on the investigation console.
- Automation of investigations pre-fabricated with Jupyter Notebooks
- Remote, scalable containment and remediation.
- APIs to integrate with the technological stack in order to exchange information and processes.
- Interoperability and automation of processes in the technological stack APIs and connectors on the platform encourage the exchange of information and processes with SOAR, SIEM, MISP etc.

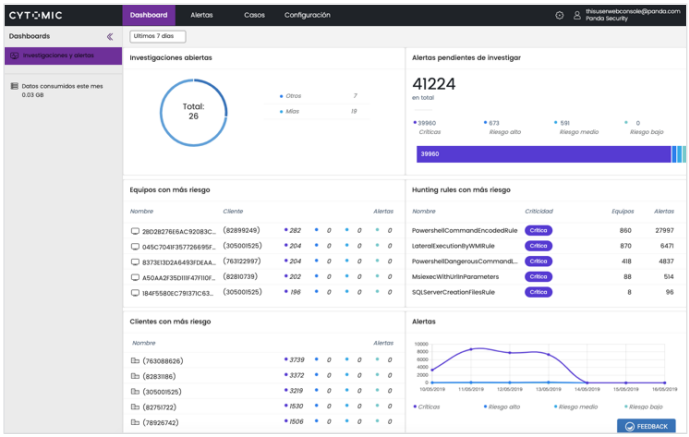
"Given the complexity of attacks, security vendors have developed more flexible solutions with an 'assume the attack' mentality.

Focusing on the post-compromise stages of the cyber kill chain, with capacities to effectively detect and respond to advanced threats in a timely fashion."

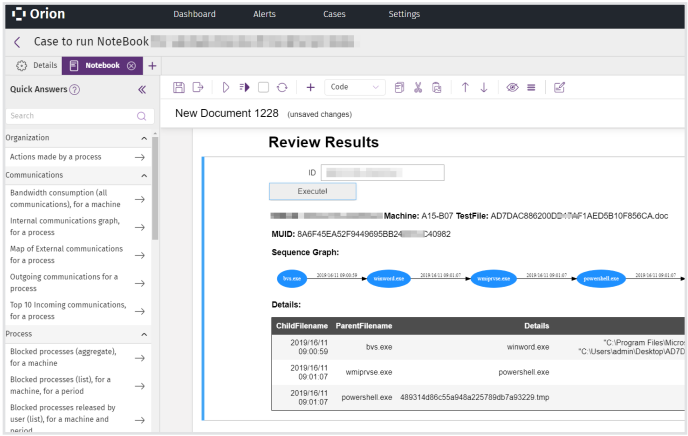
These solutions distinguish between expected actions and anomalous actions that may indicate the presence of a threat, a compromised device or attackers using techniques to hide their activity under the appearance of "regular" activity.

Paul Webber, Patreek Bhajanka, Mark Harris, Brad LaPorte

Gartner analysts [11]



The investigation console allows analysts to carry out in-depth analysis on evidence. Events enriched with threat intelligence and patented security insights, visual event correlation tools, and trees of detailed processes include other capacities, and allow analysts to swiftly assign events to the sequences of an attack.



Our pre-constructed **Jupyter Notebooks,** the threat hunting library and the investigation console all provide data visualizations that speed up investigations.

Executions, network connections, and the correlation between processes, files and other events all allow SOC analysts to investigate and reproduce an attack, determining the impact and root cause in seconds.

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Integration of the Cytomic platform in the SOC's technological stack_

Integration with the SOC's technological stack, where the SOC already implements its incident response program, speeds up and enables processes to be automated by allowing platforms to access the capacities of other specialized and independent platforms.

The Integration of Cytomic Orion Attack Signs in the Service Now console through Integration with the Cytomic API

365 days | By default **"warm"**

IoCs and investigations are carried out on petabytes of historic events from up to 365 days ago

Benefits of integration with the SOC's technological stack.

Unified visibility and cooperation

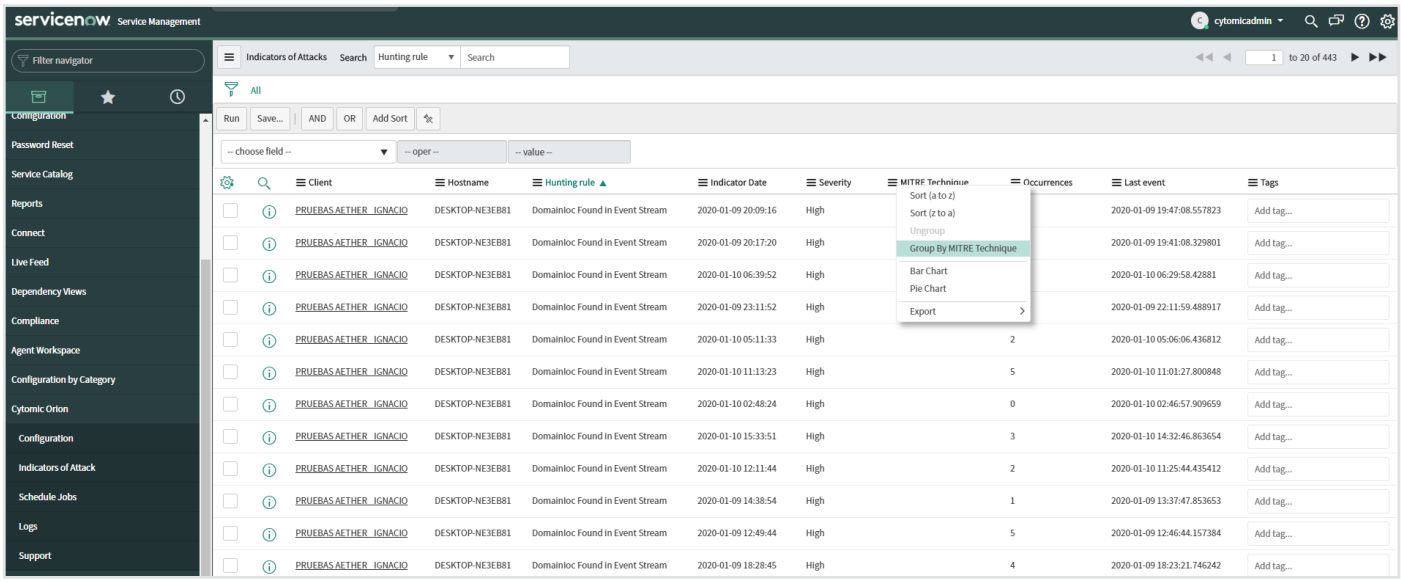
Allows for easy correlation and coordination between multiple products, as well as allowing more value to be extracted from organization's security investments. Enriches context information about incidents, and allows the petabytes of data needed for an investigation to be downloaded on the Cytomic platform, which is otherwise duplicated in other solutions such as SIEM.

Rapid incident response

Provides analysts with synchronized tools to carry out actions on the whole infrastructure, from the perimeter to the network, and especially on the endpoints, which are the asset most often affected in a cyberattack.

Coordination between security and IT operations teams

Security analysts and IT staff must coordinate to avoid and mitigate incidents, reducing the attack surface, and containing and remediating these incidents when they happen. The integration of tools allows a coordinated and automated response in order to generate alerts on the tools in both areas.



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Cytomic **EDR_**

Cytomic EDR efficiently detects and responds to any kind of unknown malware and fileless and malwareless attacks, which traditional solutions can't detect.

It is based on the unique **Cytomic Zero-Trust Application Service,** which simply stops any binary from running until it can be classified as trustworthy.

It also offers security teams:

- Total visibility of adversaries' actions.
- No impact on devices and servers, since the agent is lightweight and its architecture is cloud-based.
- Detection of anomalous behaviors on the endpoint (IoAs), blocking the attacker.
- Massive remote containment of endpoints from the console, such as isolating or restarting computers.

Cytomic EDR coexists with and complements traditional security solutions.

Cytomic **EPDR_**

Combines a full stack of preventive endpoint technologies in a single solution, with EDR capacities and the Z**ero-Trust Application Service.**

Cytomic EPDR prevents, detects and responds to any kind malware, both known and unknown, fileless and malwareless attacks.

The Zero-Trust Application Service stops malware from running on computers, servers, virtual environments and mobile devices.

Extends Cytomic EDR with a full range of endpoint protection capacities that are still necessary to stop threats from making their way onto devices and to stop threats from making their way onto devices and servers, reducing their attack surface.

	Cytomic EDR	Cytomic EPDR
Lightweight cloud-based agent	■	■
Lightweight cloud-based agent (Windows, Linux, Android, Mac, iOS)	■	■
Real-time endpoint monitoring	■	■
Cloud-based big data Analytics	■	■
Zero-Trust App Service: Pre-execution, execution and post-execution	■	■
In-memory behavior anti-exploits	■	■
SaaS applications, such as Microsoft Office 365	■	■
Protection of systems when files are created		■
IDS, Firewall and Device Control		■
Web browsing and Email protection		■
Category-based URL filtering		■
Exchange server protection, antispam and content filtering		■

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Cytomic **Ionic_**

Coexists with and complements traditional endpoint security solutions, with a full set of EDR capacities, and with Cytomic Orion, which allows security teams (SOCs) to identify, investigate and contain bad actors using Living-off-the-Land techniques in the organization.

What's more, Cytomic Ionic increases the SOC's effectiveness and scalability, by using the Zero-Trust Application Service, which automatically blocks any attack that uses a malicious binary.

This means that, with Cytomic Ionic, the number of incidents for the SOC to manage is significantly lower compared to other EDR solutions that don't filter all unknown applications that display malicious activity.

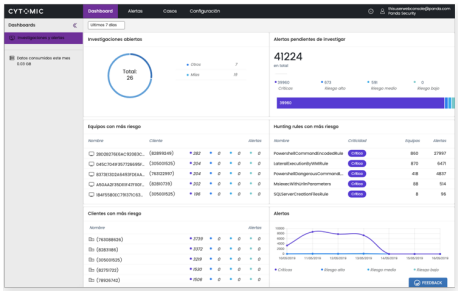
Cytomic **Covalent_**

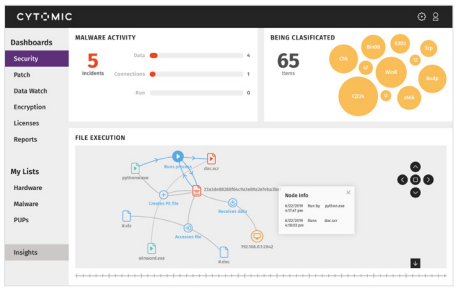
Amplifies and extends the preventive detection capacities of Cytomic Ionic with a full range of endpoint protection technologies. EPP capacities are still necessary to stop threats from making their way onto endpoints and running there, as well as to reduce the attack surface.

With Cytomic Covalent, it therefore increases the efficiency and scalability of the SOC, by leveraging an integrated EPP and EDR architecture along with the Zero-Trust Application Service, which filters attacks based on malicious binaries.

This is the case even if they are unknown. It also leverages the tools and services of Cytomic Orion to speed up the search, investigation and containment of bad actors making use of Living-off-the-Land techniques.

The quantity of alerts and incidents to manage is significantly lower than when using any other EPP or EDR, which allow the attacker through when they deploy and use malicious tools and applications.





	Cytomic Orion	Cytomic Ionic	Cytomic Covalent
Threat Hunting Solution	■	■	■
Lightweight cloud-based agent (Windows, Linux, Android, Mac, iOS)		■	■
Real-time endpoint monitoring		■	■
Collective Intelligence lookups in real-time		■	■
Cloud-based big data Analytics		■	■
Zero-Trust App Service: Pre-execution, execution and post-execution		■	■
In-memory behavior anti-exploits		■	■
SaaS applications, such as Microsoft Office 365		■	■
Protection of systems when files are created			■
IDS, Firewall and Device Control			■
Web browsing and Email protection			■
Category-based URL filtering			■
Exchange server protection, antispam and content filtering			■

WatchGuard | CYTOMIC

Managed threat hunting service_

As well as endpoint protection solutions, Cytomic's managed threat hunting services amplify the proactive security capacities of organizations that don't have these roles in their teams.

These managed services are specialized in discovering suspicious behaviors that are typical in malwareless attacks, and proactively discovering unusual behaviors that could be indicators of attack.

When these indicators are uncovered by the Cytomic threat hunters, the customer is notified with context information and recommended actions. From that moment, the customer verifies and takes appropriate actions, both to contain the attack and to make the changes needed to reduce the attack surface against future compromise.

The managed threat hunting services extend organizations' own capacities:

- Detecting cyberattacks in exploratory phases, lateral movements, etc., before malicious applications are deployed.
- Uncovering and applying data analytics to anomalous behaviors from users and computers.
- Discovering computers that have been compromised and the techniques used.
- Revealing bad practices or insecure configurations that could become attack vectors.

	Cytomic Bronze
8/5 Offensive driven threat hunting	■
Cyber threats and living-off-the-land techniques email alerts	■
Monthly hunting reports	■

***Services availability may depend on region**

Awards and research_

Common Criteria "EAL2+"

Information Technology Security Evaluation

High "ENS" Classification

ENS (National Security Framework)

Qualified IT Security Product

Centro Criptológico Nacional (National Cryptology Center)

Panda Security regularly participates and wins awards for protection and performance from Virus Bulletin, AV-Comparatives, AV-Test, and NSSLabs. Cytomic's portfolio shares technologies, platforms and services with Panda Security's solutions, extending its capacities with managed hunting services and Cytomic Orion.

AV-Comparatives test Adaptive Defense 360 "This solution classifies all processes executed and registers any kind of malware"

Your data belongs to you_

Your data resides in the European Union

Cytomic is committed to keeping your data safe.

We innovate to protect your devices, your users, your information and your privacy. And we use the most secure servers to manage your company's data.

Our servers are located in Europe, under its strictest security regulations and standards.

GDPR
COMPLIANT

For more information_
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