



Crypteia Threat Intelligence & Management Service

Next-generation, cloud-based security solutions for real-time threat identification, monitoring, reporting and mitigation

PCCW Global's Crypteia Threat Intelligence & Management Service (TIMS) provides a 7x24 threat monitoring and identification platform together with an integrated security advisory service.

Our solution combines our threat intelligence platform called MOREAL, with our Professional Security Service and Security Operation Centres (SOC) to give enterprises real-time and automated threat identification, monitoring, reporting and alerting capabilities, as well as global cyber threat mitigation recommendations.

Our Crypteia Threat Intelligence & Management Service is the next-generation of effective cybersecurity management. It combines real-time network and machine-learning-based behavioural analytics with enterprise security intelligence to proactively learn, predict, discover and identify network and application security threats. Crypteia TIMS collects, learns, correlates, monitors and mines data activity logs produced by interconnected network elements, such as SIEM applications, log management tools, UTMs, firewalls, routers, intrusion detection software and other security solutions, in order to evaluate and report on patterns and behaviours consistent with a potential or in-progress cyberattack. This "behavioural learning" functionality is what separates the real threats and attacks from the false or non-existent ones.

Benefits



Delivers a new layer of defense, complementing your existing ones and maximising the value of network logs already generated and collected, preserving your investments in existing security solutions



Non-intrusive and scalable cloud-based solution for rapid deployment, saving CapEx costs



Threat aggregation and behavioural analysis identifies threats in their infancy, even before the application vendors can issue "signatures"



Real-time mitigation recommendations, enabling pro-active response



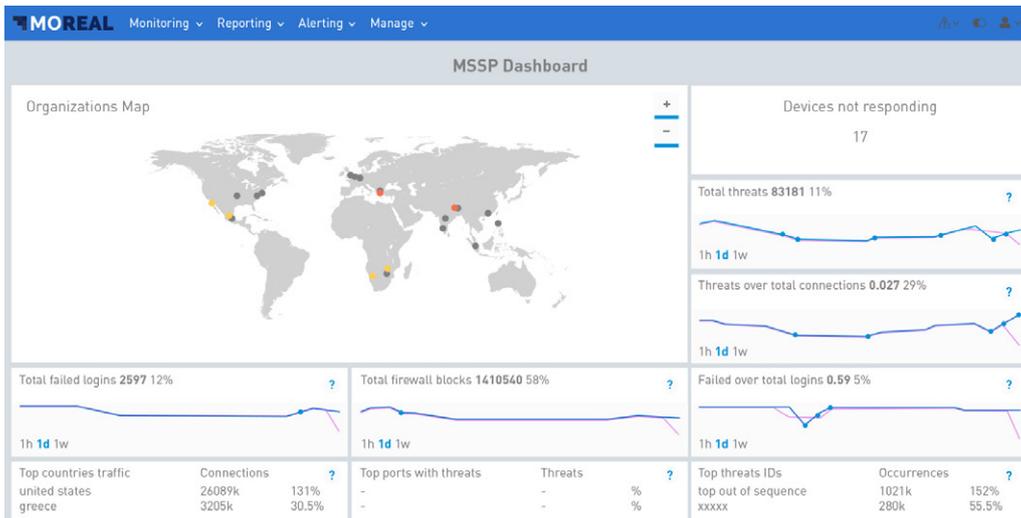
New visibility into existing security systems and hardware, identifying gaps and vulnerabilities ahead of the threats and attacks



Extends lifespan of existing security solutions, driving improved cost efficiencies



Can be implemented and up and running in a matter of days, compared to weeks and months it takes for heavy, enterprise applications



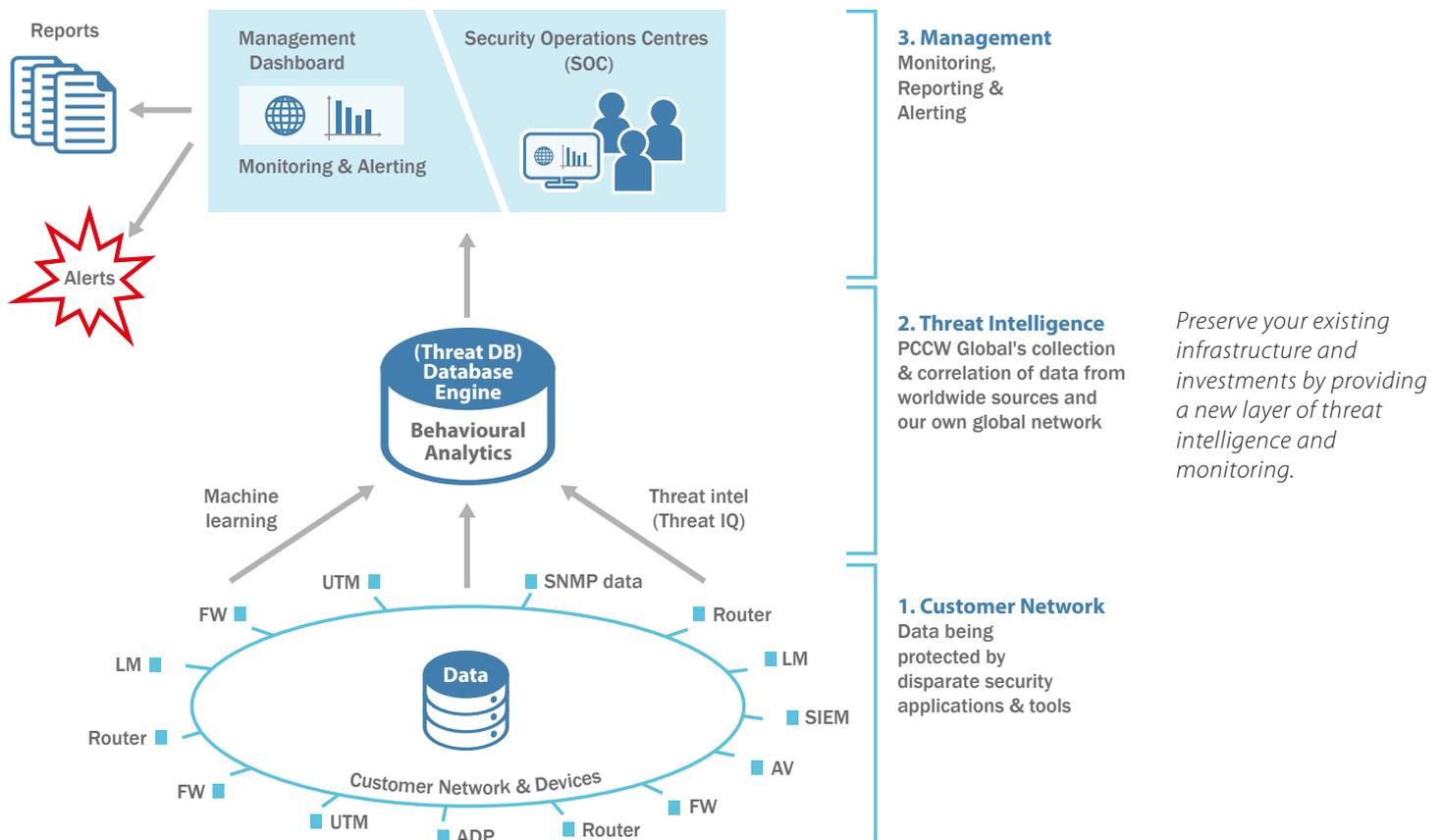
Dashboard of consolidated alerts delivers new insights into your enterprise security posture

Already have security monitoring and management in place?

That’s good. Problem is your systems probably aren’t aware of the threats that are deploying at this immediate time!

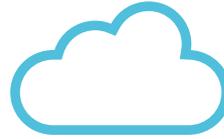
Our Crypteia TMS delivers new kinds of threat intelligence not seen in existing solutions based on how threats attack particular vulnerabilities and how your environment reacts to them. This is called “behavioural analytics.” It is based on a concept called “machine learning” (and a patented approach to it that we own). Essentially, our approach “watches” your infrastructure over time, it then “builds” a model of accepted activity, then “monitors” that environment, and when behaviours occur outside of accepted parameters, it “enables” defensive response activities accordingly. So when new attacks occur, your environment is already set up to address it.

No security management application today addresses cyber threats like this. Not even your signature-based SIEM system.



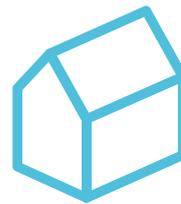
Key Features

- Access advanced analytics and actionable reports through a single intuitive dashboard
- View network health, utilisation and security in real-time
- Leverage a global threat database that utilises Big Data and crowd-sourcing to identify emerging threats
- Use advanced correlation engines for identifying known and unknown threats, now penetrating or already existing in your network
- Deploy enhanced security simply and quickly via pure cloud solution with hybrid options available
- Pay-as-you-grow subscription with low total cost of ownership.



Cloud

Network Elements at your site send log files directly to our cloud platform.



On Premises

Available as a customised on-site solution. If, for regulatory or other reasons, your network data needs to remain on-site, an on-premises solution is also available. Essentially, logs remain on your site.

Organizations of All Sizes Choose Our Crypteia Threat Intelligence & Management Service for Many Reasons



- 1** Our solution is cloud-based and non-intrusive as there are no agents, applications or hardware deployed to your environment.



- 2** It can be up and running for your unique environment in a matter of days, instead of weeks or months that it takes to set up complex SIEM and Log Management solutions.



- 3** It's user-friendly since it's not full of complex options and features that require the user to have a system training certificate like most other security management applications.



- 4** Pricing is affordable compared with heavy enterprise class solutions, delivering flexibility in budgeting for additional security initiatives, reducing the cost of your cyber security operations.

Why PCCW Global?



Real-Time Intelligence

We give you the ability to identify threats to your organisation based on our data mining capabilities and traffic pattern recognition



Global Security Coverage

Our solutions have been deployed on PCCW Global's worldwide network infrastructure - one of the largest in the world, and is capturing data on potential threats globally and on a daily basis



Preserving and Enhancing Existing Security Investments

This solution extends the life of your existing security solutions and adds a layer of proactive and real-time threat intelligence



Long-Term "Learning"

Our threat database is continually "learning" about your environment and its behaviours, and evolving to protect your organization from present and future threats

PCCW Global's Crypteia Portfolio of Managed Security Services

PCCW Global offers an enterprise security portfolio customised to your organisation's needs. Unmatched in ability to help you disrupt new threats, deploy security innovations and reduce the cost and complexity of IT security, PCCW Global's Crypteia family of managed security services can safeguard your most critical data from cyber-based compromise.

Our Crypteia Managed Security Services include:

- Managed and Cloud-based Firewall Services
- Managed Anti-DDoS Services
- Managed Threat Intelligence & Management Services
- Security Operations Centres (SOC) & Professional Services

These services and more, when added to PCCW Global's core networking and communications services, offer the industry's most robust cyber defence and data protection, enabling customers to maximise business operations while minimising costs.

PCCW Global offers its portfolio of offerings customised to your customers' needs, and designed to help safeguard their most critical data from compromise.

<p>Managed Firewall</p>	<p>Cloud Firewall</p>	<p>Global Security Operations Centres</p>
<p>Anti-DDoS Services</p>	<p>Threat Management Service (Behavioural Analytics)</p>	<p>Professional Security Services</p>

With its worldwide coverage of tele-communications and Internet networks, PCCW Global ranks as one of the world's largest network footprints



2015 GTB Business Service Innovation Award 2015 – Global Network Threat Identification for Enterprises



2015 & 2016 World Communication Awards – Innovation Award