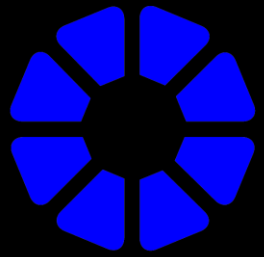

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Emerging Threats vs. Security Intelligence

Our Core

We use security analytics and sophisticated risk management technology to identify, analyze, predict and prevent highly sophisticated security threats.

In real time.

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Landscape

Operating Environment

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New World Order

- 2.8 billion people and over 10 billion Internet-enabled devices access the Internet. Internet of Everything (IoE) combined with the ever increasing number of Internet users globally creates a broader attack surface, new attack vectors and more points of entry, including social engineering methods, for criminals to exploit, making security intelligence even more important.
- Increased Cybercrime sophistication and commercialization. A service-based criminal business model drives innovation and provides access to a wide range of services facilitating cybercrime. The criminal industry costs global economies an estimated USD 300+ billion per year.
- Inadequate legislation. In many jurisdictions outside the EU there are, however, no adequate legal frameworks in place for judicial cooperation. Even within the EU the differences in legislation and legal instruments to detect, attribute and exchange information in relation to cybercrimes cause significant impediments.

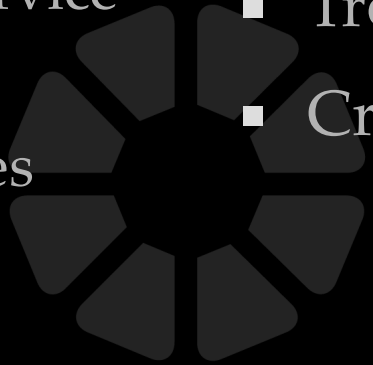
Crime As a Service

CRIMINAL SERVICES

- Infrastructure-as-a-Service
- Data-as-a-Service
- Pay-per-install Services
- Hacking-as-a-Service
- Translation Services
- Money-Laundering-as-a-Service

MALWARE AS A SERVICE

- Trojans
- Criminal Botnets



Threats Evolve in a Unprecedented Manner

- New Logical, Coordinated and Complex Attack Methods
- Cybercriminals need not be present in target countries and are able to conduct crime against large numbers of victims across different countries simultaneously with minimum effort and risk
- Diversified attack patterns with the objective to remain undetected for long period of time

Information Security is Big Data Problem

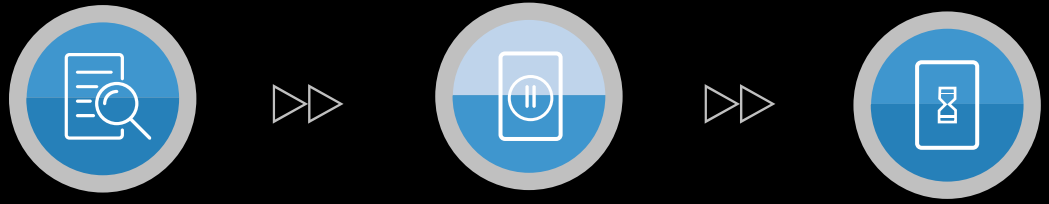
- System, Network and Application Logs
- Configuration Information
- Network Flows
- Malware Information
- Social Media
- Business and Process Data
- External Threat Feeds

Lack of Visibility

- It is a mathematical certainty that any given security system will fail at least once in its lifetime
- If a security device produces an alert who is there to hear it?
- Lack of operational and technology capacity to know who, what and when??
- All of them have invested in the latest security technology…

A mindset shift

Towards Operational Security



Visibility
Detect

Intelligence
Prepare

Readiness
Respond

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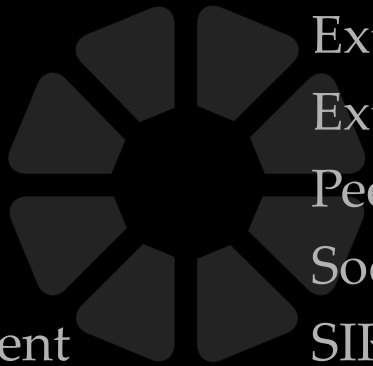
Visibility

- Security Analytics

  Application Data
  Network Data
  Infrastructure Data
  User Activity
  Vulnerability Management
  Fraud Management

- Collective Intelligence

  External Private Feeds
  External Public Feeds
  Peer Channels
  Social Media
  SIRTs
  Government
  Cybercrime Police



Intelligence

- Know Your Enemy
- Comprehend your threats and environment
- Invest based on actual and real time data
- Balance your preventive with reactive controls/investments
- Continuously Improve

Readiness

- Prepare and Communicate
- Create Operational Units for Surveillance and Response
- Record Data
- Measure effectiveness and KPIs

Benefits of Intelligence Based Security

What, who and when
Detect emerging, hidden and persistent threats and even predict

Assess the Impact
Evaluate in real time during the attack progresses

Adjust the Strategy
Adjust your strategy based on real time and take informed decisions

Remediate and Improve
Use data praoctivelly to strengthen your security

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Thank you for your attention

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