

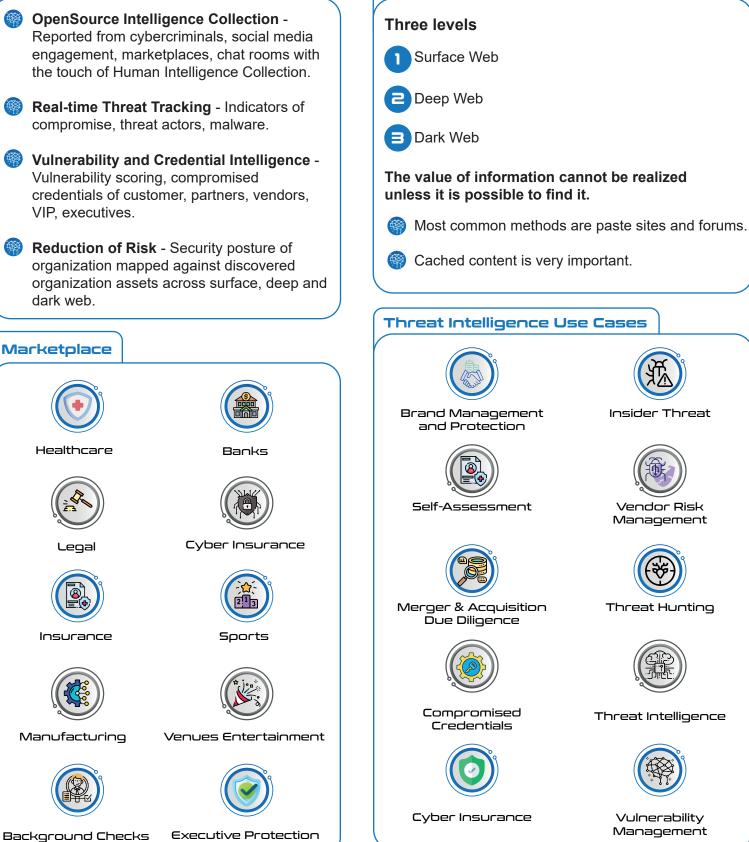


## Threat Intelligence OpenSource INTelligence (OSINT)

**Our Value Proposition** 



Deep and Dark Web



Insider Threat



Vendor Risk Management



Threat Hunting



#### Threat Intelligence



Vulnerability Management

## Threat Intelligence OpenSource INTelligence (OSINT)



## Cyber Threat Intelligence (CTI) Focuses on analysing raw data gathered from recent and past events to monitor, detect and prevent threats to an organization. Details of the motivations, intent, and capabilities of internal and external threat actors (e.g. Government, Organized crime, Activists, State-sponsored criminals). Threat intelligence includes specifics on the tactics, techniques, and procedures of these adversaries. Threat intelligence's primary purpose is to inform business decisions regarding the risks and implications associated with threats. Shifting the focus from reactive to preventive intelligent security measures. External Internal ata Feeds oq Data rechnology Platform Benefits of CTI Prevent data loss **Detect breaches** Threat analysis Data analysis Incident response 24/7 threat intelligence, monitoring and analysis Rapid identification and remediation of attacks Ability to assess risk and prioritise threats

#### **CTI** Monitoring

- Network Threats Ability to monitor the risks exposure of an entire country and/or specific organizations (e.g. Infected systems, malware and botnets).
- Monitoring and take down of phishing sites.
- Identification of compromised bank accounts Internationally - Reporting leaked credit cards transactions to money mules.
- Monitoring underground cybercrime forums and the Deep/Dark Web to discover compromised bank accounts.
- Monitoring the Internet to discover compromised credentials (emails, username, passwords).
- Rogue Mobile Application Unauthorized mobile application developed to look like and behave like a legitimate one.
- Monitoring Threats from Third Parties -Continuous auditing, security controls and monitoring controls.

#### Leveraging the CTI Process (Intelligence Cycle)

#### **Processing and Production**

Identifying the organization's requirements to create the righ amount of intelligence out of information.

### **Planning & Evaluation**

Ensure processes and tools are in place. Conduct risk assessments to identify what threats, take steps to close potential gaps and implement controls.

Collection

Acquiring the raw data to process.

#### Dissemination

Supplying the relevant teams with finished and processed intelligence products to address the threats.

# Threat Intelligence



## OpenSource INTelligence (OSINT)

#### Threat Intelligence with Return on Investment

#### **Industry Leading Intelligence**

Automated, human intelligence collection and finished intelligence reporting from cybercriminal forums, marketplaces, chat rooms and online engagements.

#### **Reduction of Risk**

An industry leading intelligence requirements program that enables organizations to map intelligence collection and outputs to business drivers and risk reduction.

#### **Real-time Malware Tracking**

Automated and technical tracking of malware including IoCs, TTPs, YARA, IDS signatures and technical intelligence reports.

#### **Vulnerability and Credential Intelligence**

Vulnerability intelligence to drive your patching priorities and compromised credentials of your employees, VIPs and customers.

Threat Intelligence Sources

#### Internal Sources External Sources Structured Structured Unstructured (mainly) Example Firewall and Vulnerabilities Forums router logs, databases. news sites. honeynets IP blacklists social media and whitelists, dark web threat data feeds Technologies Feed parser Feed/web Collection: for collecting scraper, crawlers, and processing feed/web parsers parser Processing: Natural Language Processing (NLP), machine learing

#### loCs

#### Tactical Intelligence (Short-term)

Information from known attacks, which has the potential to immediately influence cybersecurity decision-making.

#### Operational Intelligence (Mid-term)

Offers insight into threat actors motivations, capabilities and objectives, and helps teams assess specific incidents relating to events and investigations, and guides and supports incident response.

#### Strategic Intelligence (Long-term)

Broader and higher-level abstracts of the data to identify threats associated with foreign policy, global events etc., and focuses on the long-term impacts of cyber threats.

#### Technical Threat Intelligence (TTI)

TTI is information that is normally consumed through technical resources. TTI typically feeds the investigative or monitoring functions of an organization, for example firewalls and mail filtering devices, by blocking attempted connections to suspect servers. TTI also serves for analytic tools, or just for visualization and dashboards.

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## ecfirst Reamagining Cyber Defense