





Security Summit

Milano 19-20-21 marzo 2024



Building an Intelligence-Driven Risk Reduction Framework

Massimiliano Brugnoli, Recorderfuture 19 marzo 2024 orario 16.30 - 17.00

Building an Intelligence-Driven Risk Reduction Framework

Massimiliano Brugnoli - Sales Engineer



Agenda

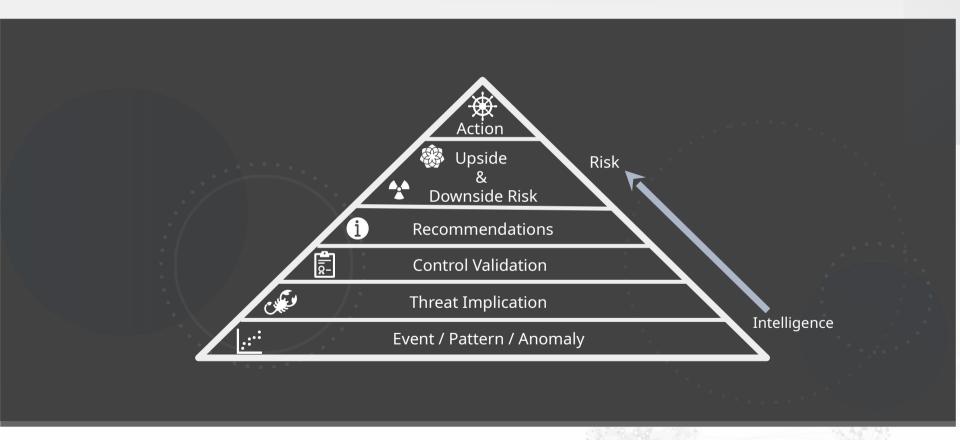
☐ Why Intelligence

☐ Adversary behavior

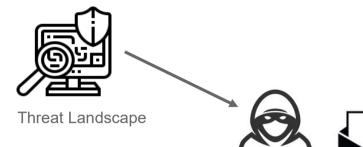
☐ Threat profiling

☐ Risk reduction

Intelligence to Risk (I2R) Pyramid



Overview: Structured and Repeatable



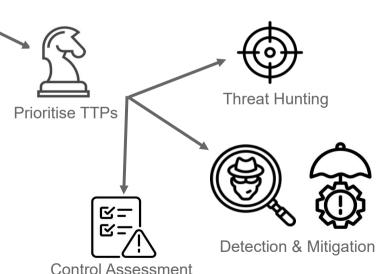


Use Intelligence:

- Frame your Threat Landscape
 - Prioritise Actors & Malware
- Leverage MITRE ATT&CK
 - Build Threat Profiles & Prioritise TTPs

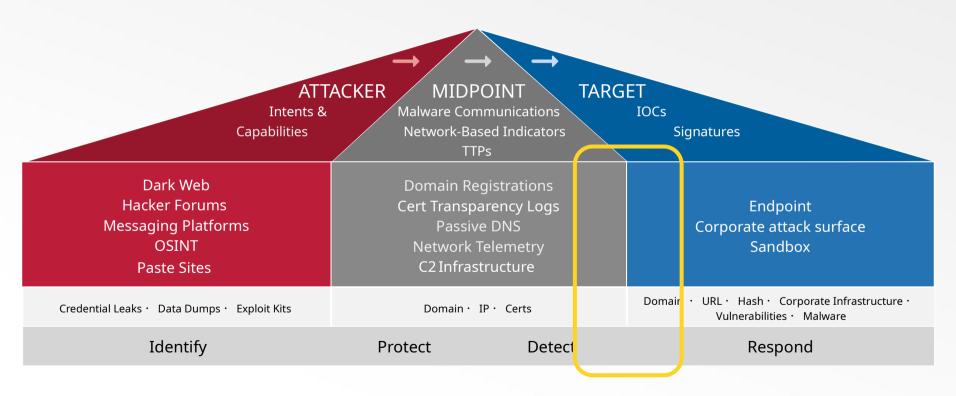
To Reduce Risk:

- Detections & Mitigations
- Security Control Assessments
- Drive Threat Hunting



Window of opportunity

Visibility From Attackers Through Midpoint to Targets

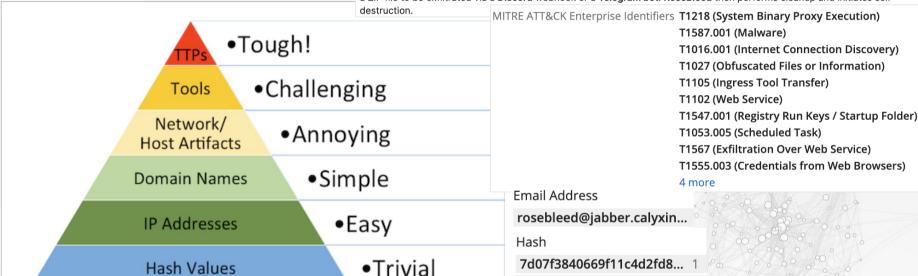


Why behavior

RoseBleed's dropper abuses the Living Off the Land Binary (LOLBin) BITSAdmin to download an additional executable file written in Go from a remote server to establish persistence. This executable file creates a registry run key to execute the dropper upon a system reboot. The dropper monitors the victim machine's internet connection and downloads a hard-coded stealer from a specified download link using a similar LOLBin technique. It then creates a scheduled task for the downloaded stealer. Additionally, the dropper periodically contacts a Pastebin link to check for instructions on whether it should download other files or perform a cleanup process.

RoseBleed's stealer accesses web browser data stored in the LocalAppData directory of a victim machine. It decrypts the collected data to obtain plaintext credentials, cookies, and browser history. It compresses the collected, decrypted data into a ZIP file to be exfiltrated via a Discord webhook or a Telegram bot. RoseBleed then performs cleanup and initiates self-

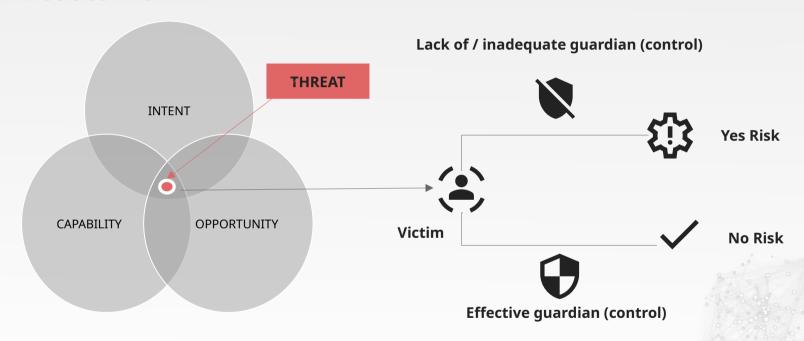
fb451c1368e3a4ad280e4... 1

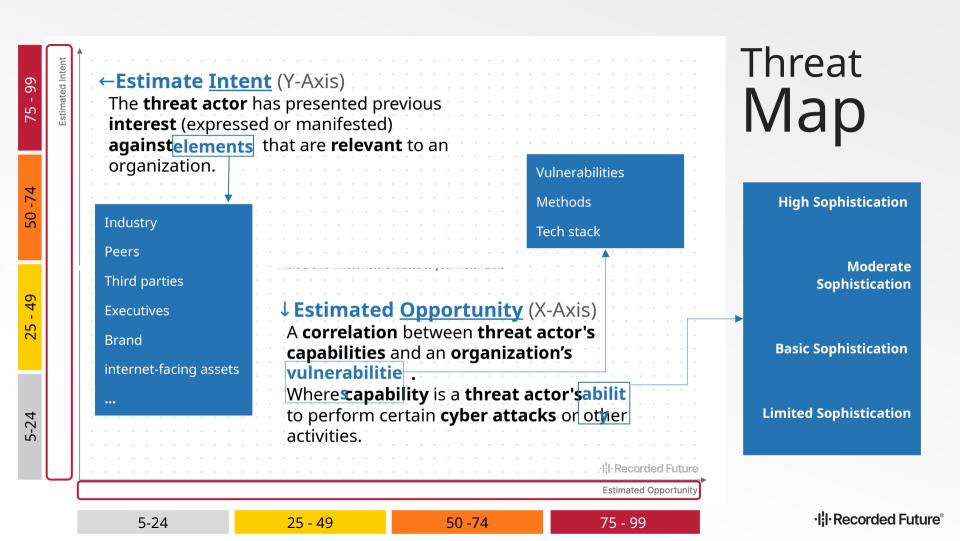


Source: Pyramid of Pain: David | Bianco

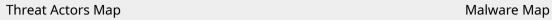
Components of a threat

Threat to Risk





Threat Landscape with Recorded Future





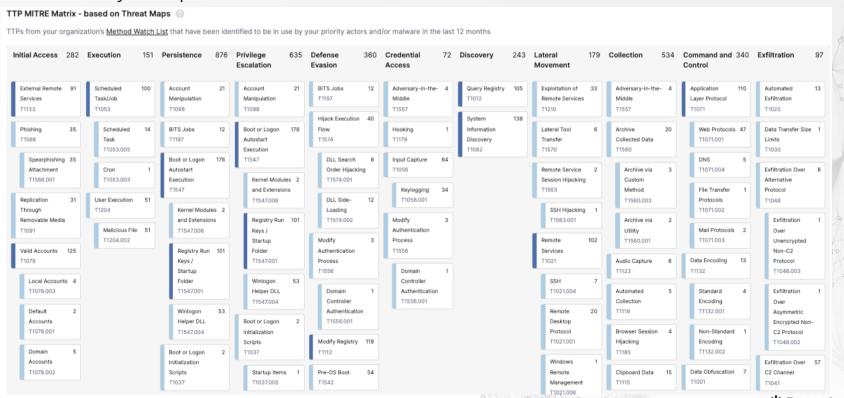






Threat Profiling with MITRE ATT&CK

Recorded Future allows you to aggregate adversary ATT&CK Identifiers at scale based on human analysis, technical analysis & open source collection.



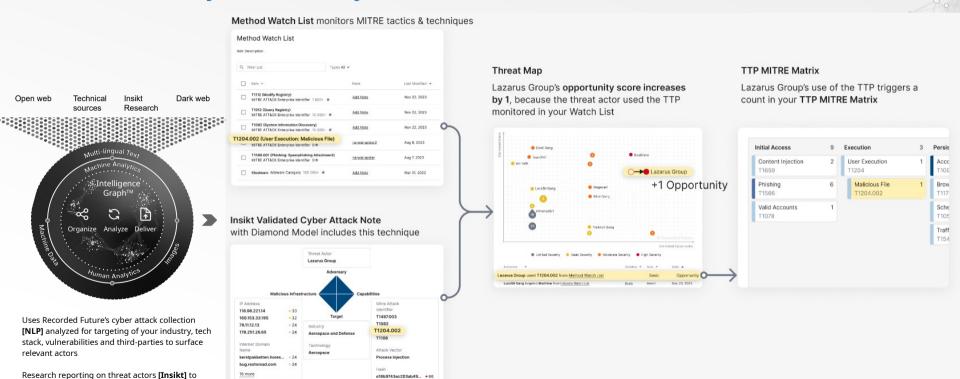
Source: Recorded Future Platform ·I;I-Recorded Future

Threat profiling automatization

understand targets, motives & tactics, techniques

and procedures (TTPs)

Collect->Analyze->Identify->Prioritize->Profile Threat Behavior



Reduce Risk... Driven by Intelligence

Now What...

Control Assessments



Why: understand security posture

 How: Red/Purple teaming to find security gaps Detections & Mitigations



- Why: investment protection
- How: TTPs for persistent detection

Threat Hunting



- Why: minimize postcompromise intrusion
- How: proactive hunts for malicious activities

Intelligence-led security

There's No Such Thing As Bad Weather.

Just inappropriate clothing.



Thank you

Recorded Future Free tools

https://www.recordedfuture.com/platform/browser-extension

https://go.recordedfuture.com/cyber-daily

Contact us: italy@recordedfuture.com