TLP:WHIT

1st of June 2021



TTPs with MITRE ATT&CK in TheHive





Who am I

- Jérôme Leonard
- 20 years in Cybersecurity
- Former DFIR and CTI analyst
- Co-creator of TheHive Project
- Cofounder & CPO StrangeBee



The Agenda

- Quick introduction of TheHive
- Prepare TheHive with ATT&CK patterns
- Enrich Cases with Tactics, Techniques and Procedures
- What's for next versions of TheHive ?

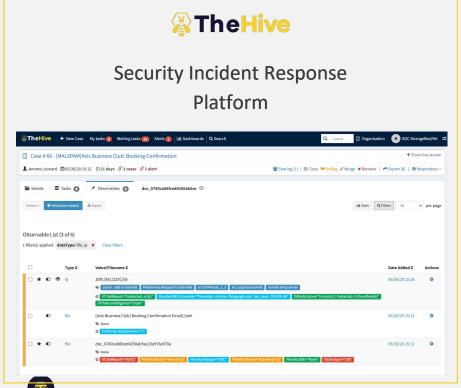


TheHive 4

Getting ready to welcome new major features



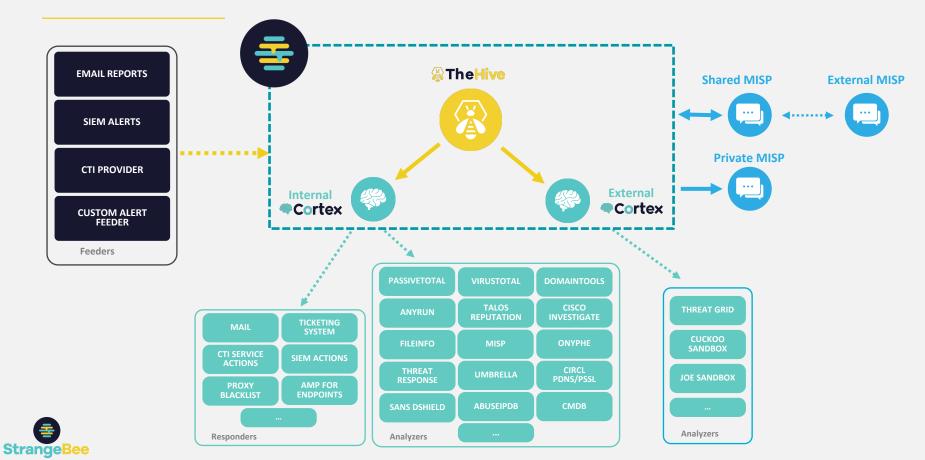
TheHive overview



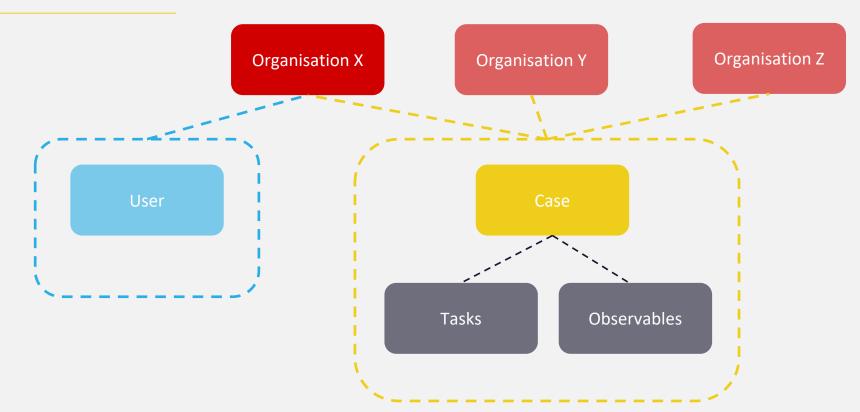
- Organize, structure and archive incidents including technical artifacts
- Aggregate, collect and triage Alert
- Manage Cases and Tasks
- Enrich IOCs and Observables
- Implement IR workflows and playbooks
- Take care of information classification levels (TLP & PAP)
- Collaborative & multi tenant platform
- Built-in integration with Cortex for Analysis and Active Responses



Typical Integration



Data schema





TheHive 4.1

Welcome MITRE ATT&CK



TheHive 4.1 – introducing MITRE ATT&CK

- Released in March'21
- First step in the roadmap
- Enable and setup ATT&CK patterns in TheHive
- Enrich Cases with TTPs



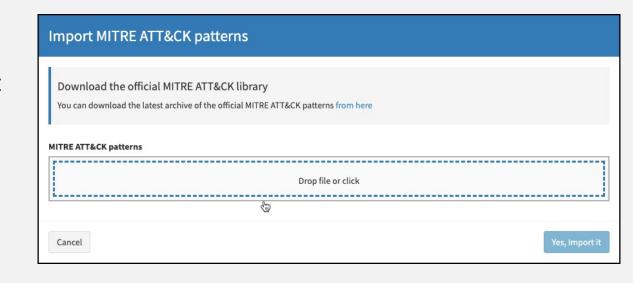
Using TTPs in TheHive

Setup



Setting up ATT&CK patterns

- Not installed by default
- Import latest version
- Can be updated





Setting up ATT&CK patterns

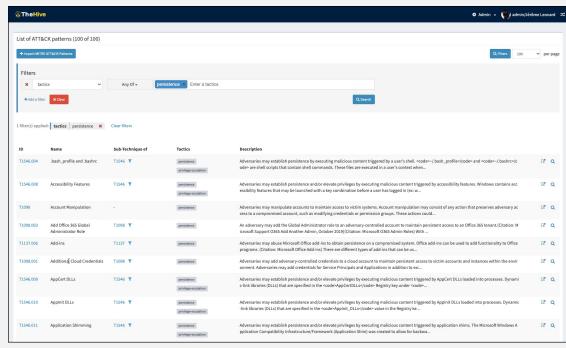
- Library added in the database (https://github.com/mitre/cti)
- Support STIX 2.0 JSON file format
- Designed for Enterprise tactics for the moment



Setup ATT&CK patterns

- List of Techniques
- Use filters like all other lists

in the application



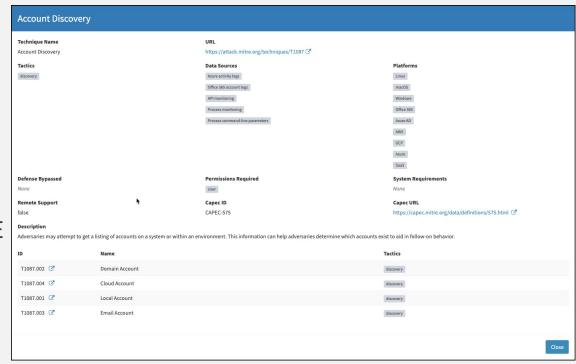


Setup ATT&CK patterns

- Access Techniques details
- Open related Techniques

description pages on MITRE

website





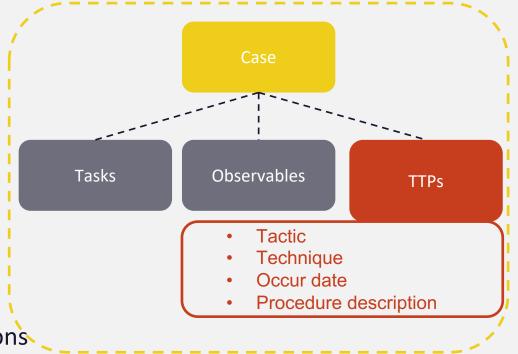
Using TTPs in TheHive

Enrich your Cases



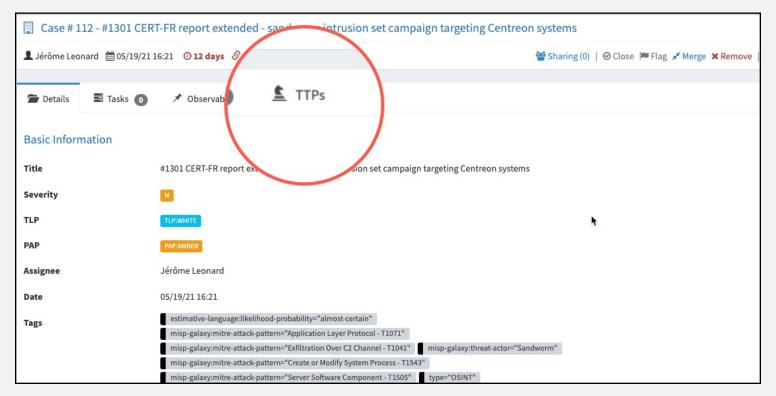
TTP in the data model

- Add TTPs in a Case
- Defined by:
 - Technique
 - Tactic
 - Date of occurrence
 - Procedure description (optional)
- Can be shared across Organisations



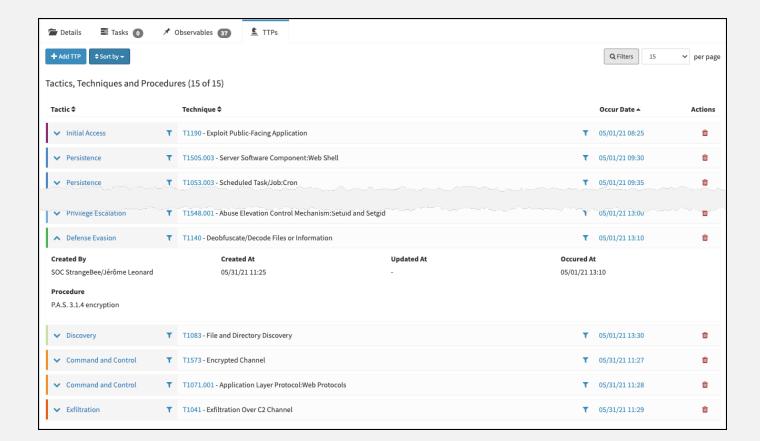


New TTP tab





List of TTPs related to a Case



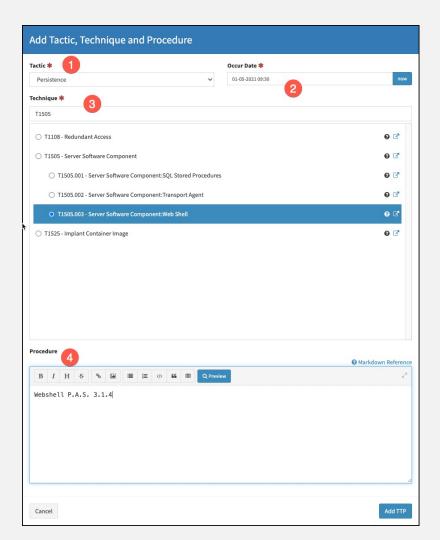


Enrich a Case with a TTP

- 1. Define the *Tactic*
- Specify the occur date
- 3. Look for & select the right

 Technique or Sub-technique
- 4. Add a *Procedure* description (optional)





Coming features



Coming features

- Enrich MISP support with TTPs (import & share)
- Support TTPs in Alerts
- Cases and Alerts similarities upon patterns
- Links to Observables
- Distinguish collections of patterns: support Mobile tactics, ICS





Thank You



jerome@strangebee.com



@TheHive Project | @StrangeBeeInc

