

New features & Roadmap

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The Agenda

- Story and timeline
- A wink to MISP Project
- The Hive from 3 to 4
- A deeper look into the new features
- Roadmap and future features
- Need help?

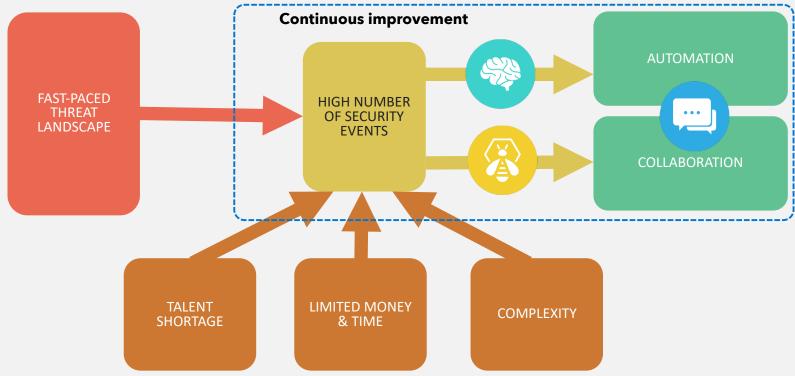




TheHive Project: Story and Timeline



Drive Down The Time to React





The Timeline

- February 2014: First TheHive specifications
- October 2014: First private version
- November 2016: TheHive Project made public
- February 2017: Cortex v1 made standalone
- March 2018: Cortex v2 unveiled
- October 2018: 100+ Cortex Analyzers
- Mars 2019: TheHive 4 RC1
- Mai 2019: TheHive 4, first release



What's TheHive?



TheHive is a scalable, open source and free Security Incident Response Platform



What's Cortex?



Cortex is a scalable, open source and free
Observable Analysis and Active Response Platform



What's MISP?



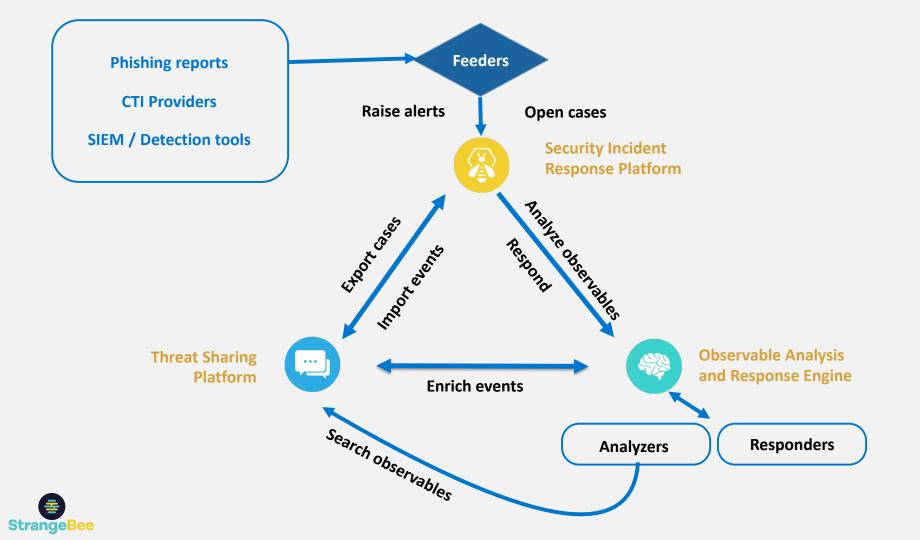
MISP is an open source and free Threat Intelligence Platform





How do they work together?







TheHive, from 3 to 4



The Current Status

- Latest version: TheHive 3.4.x
- Suitable for flat teams
- Basic permissions (read, write, admin)
- Mono-Tenant
- Use Elasticsearch as database



The Promise of TheHive 4.0

- Current version: TheHive RC1
- Complete rewrite of the backend, still using Scala
- Built to be used by multiple organisations, aka. multi-tenancy
- Custom roles and permissions, aka. RBAC
- Sharing and collaboration across organisations on cases and tasks
- UI improvements
- TheHive FS
- Two-Factor authentication (Work In Progress for 4.0 stable release)



The Architecture





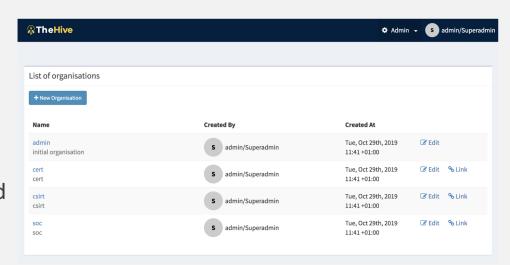


A deep look into the new features



Welcome to Organisations

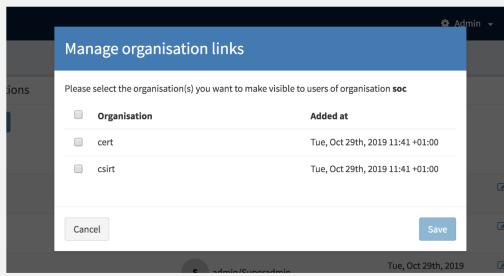
- An organisation
 - Contains one or several users
 - Defines what its users can do, can see (permissions)
- Organisation data is by default isolated
 - Creates logic isolation of data
 - An org can't access data that's not tied to it
- A user can belong to one or several organisations





Organisation Visibility

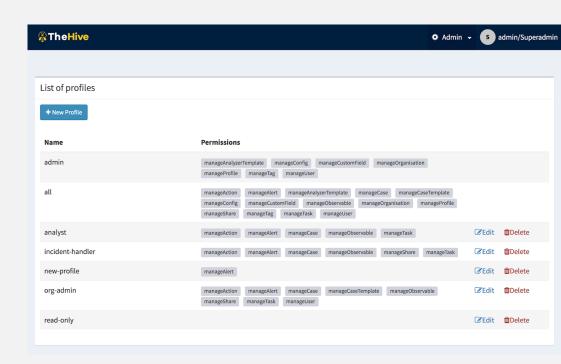
- Super administrators can define which organisation can collaborate with which one
- An organisation must be 'linked' to other organisations to be able to share data (cases/tasks) with them
- 'linking' is a temporary term





Profiles and Permissions

- TheHive comes with a set of predefined permissions
- A Profile is a set of Permissions
- A user has a **Profile** on an Organisation (can be different from ORG1 to ORG2)
- Profiles are used to define the sharing boundaries. Example: share a case as Read-Only



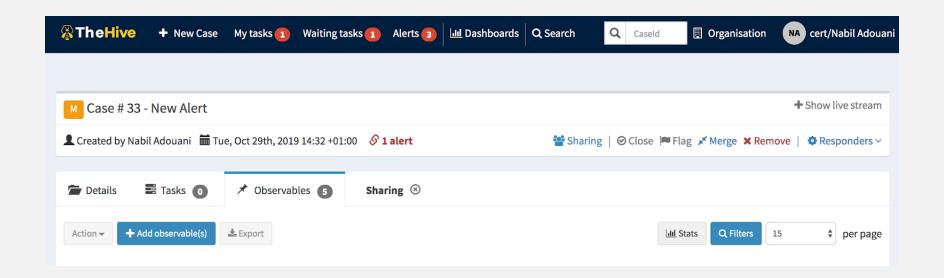


Collaboration and Sharing

- Sharing = "Make an object I own, visible by an Organisation I trust."
- Mecanism that allow two or more organisations to collaborate
- Sharing is possible for Cases, Tasks and Observables
- Requires manageShare permission
- For Cases, there is a dedicated tab in case details page
- For Tasks/Observables , there is a dedicated section within the Task/Observable details page

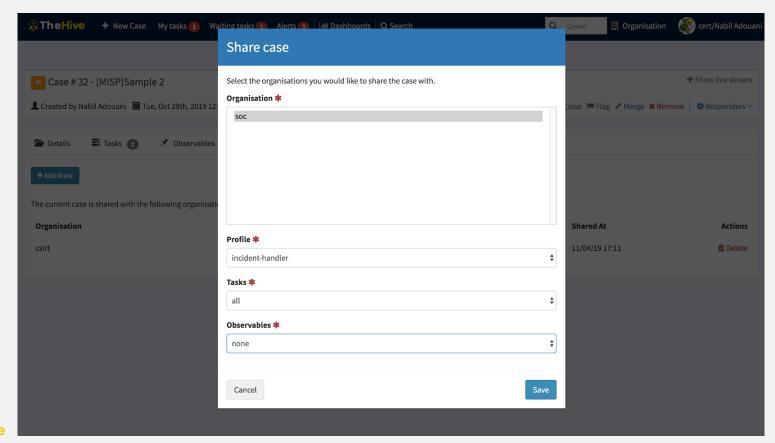


Collaboration and Sharing - Cases



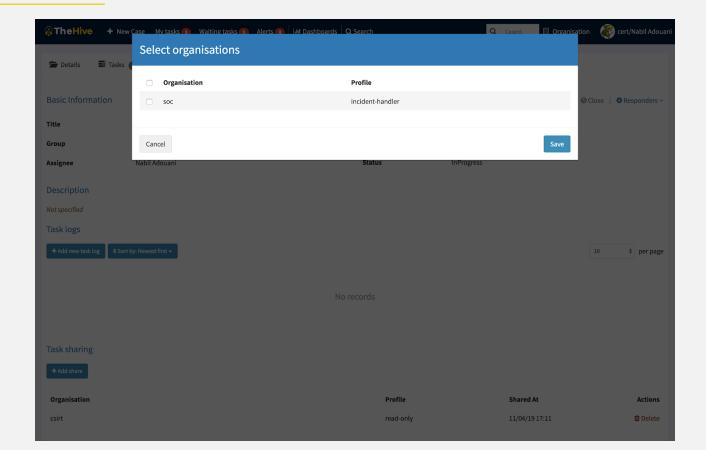


Collaboration and Sharing - Cases



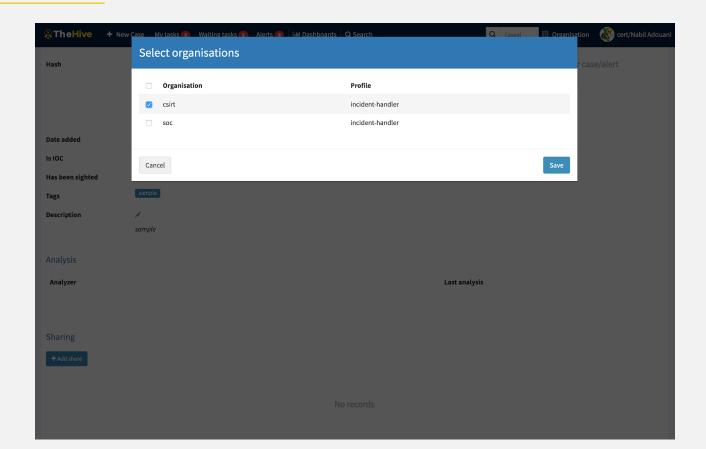


Collaboration and Sharing - Tasks





Collaboration and Sharing - Observables





UI Improvements

RBAC adaptative UI: menus and actions rely on user permissions

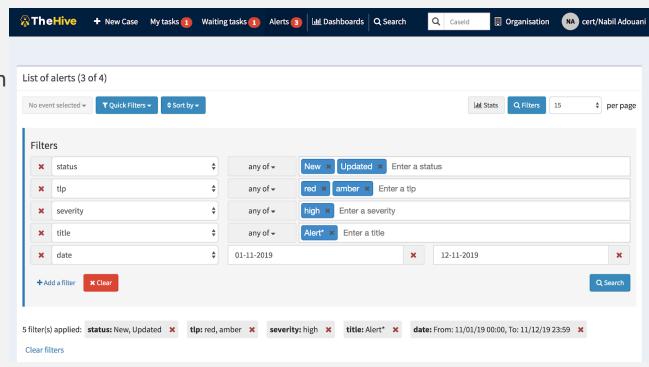
As an organisation administrator





UI Improvements

- Better search forms
- Allow filtering by custom fields and all possible attributes
- Same as Search sections





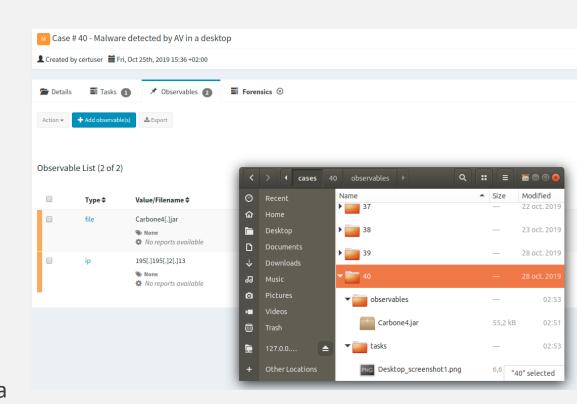
TheHive FS

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- Get quick access to files stored in TheHive directly from your investigation machine
- Connect remote webdav FS of TheHive

dav(s)://thehive:9001/fs

- Use credentials of TheHive user
- Speed up investigation & analysis (but try not to step on a landmine)





Roadmap and future features



The Roadmap



4.0 - RC1 (public)



4.1

Multitenancy RBAC

Dogumente

Documented Sharing Proc. for Most Common Use Cases

TheHiveFS

Migration tool

(Backward compatible API)

Large File Upload Management
Simplified Sharing across Organisations
Notifications
Observable Templates
Taxonomies & ATT&CK Support

Q4 2020

MAI 2020

+ 2FA

+ Bug

Fixes



4.0 - Stable



FEB 2020

StrangeBee

Need Help?



Need assistance and support?

- StrangeBee is a company built by 3 TheHive cofounders to sustain the project
- It aims to answer the requests coming from a growing need for support, professional services and advanced features
- It offers:
 - Annual Support subscriptions
 - Professional Services
 - Training
- Need help? Send an email to contact@strangebee.com



Thank You

Community



(**b**) https://blog.thehive-project.org



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