

TheHive Project



GRAIL SECUTIRY SISTEMS S.L.

Fundadores TheHive Project



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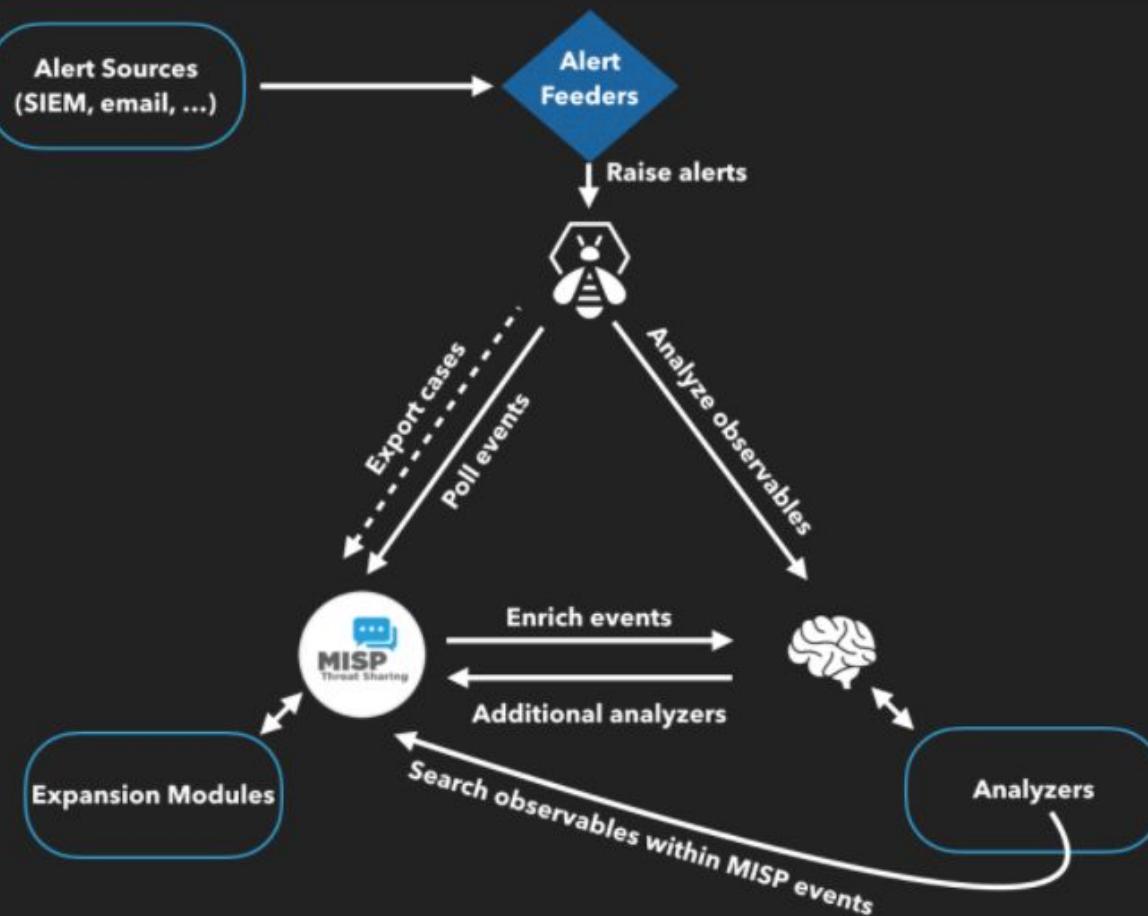
Danni Co

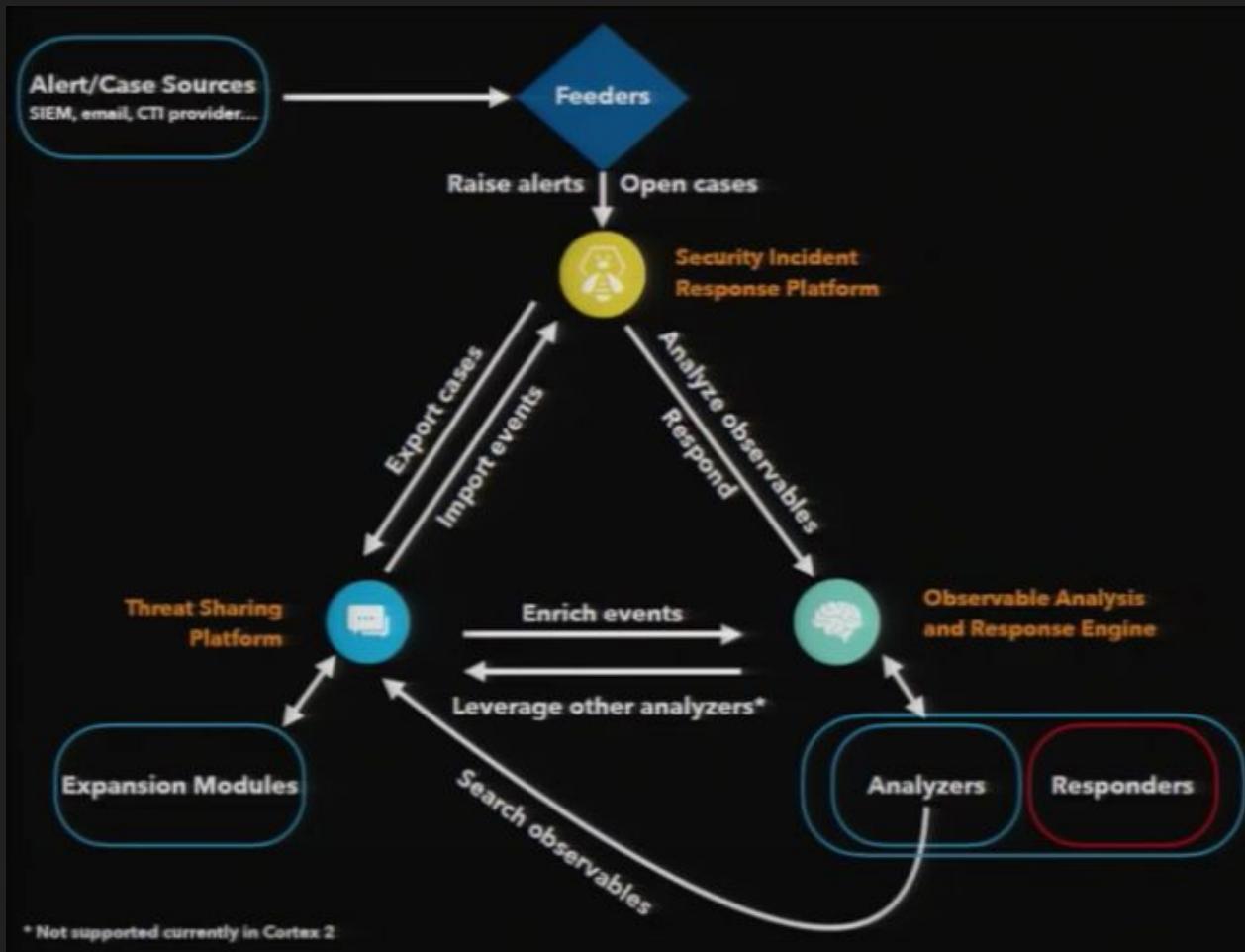
Nils Kuhnert

Què és i per a què serveix?



TheHive Project és una plataforma de resposta lliure d'incidents de seguretat de codi obert 3 en 1 escalable dissenyada per facilitar la vida a SOCs, CSIRTs, CERT i qualsevol professional de la seguretat de la informació que s'encarregui d'incidents de seguretat que hagin de ser investigats i actuats ràpidament. És l'empresa perfecta per MISP. Podeu sincronitzar-lo amb una o diverses instàncies MISP per iniciar investigacions sobre esdeveniments MISP. També podeu exportar els resultats d'una investigació com a esdeveniment MISP per ajudar els vostres companys a detectar i reaccionar als atacs que heu tractat. A més, quan TheHive s'utilitza conjuntament amb Cortex, els analistes i investigadors de seguretat poden analitzar fàcilment els dissenys, si no centenars, d'observables.





TH4

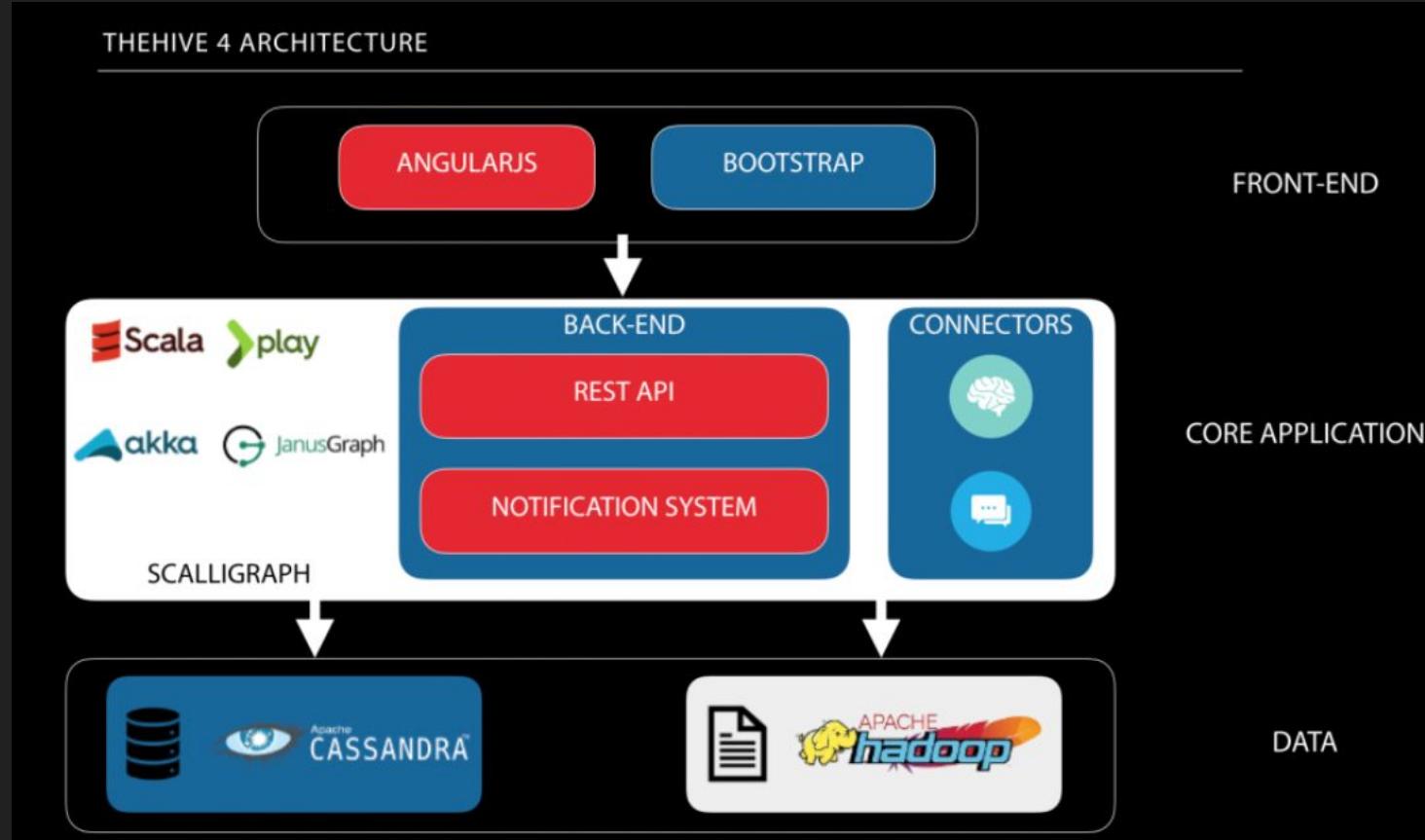
TheHive⁴ estructura la informació en gràfics i l'emmagatzema en una base de dades d'Apache Cassandra. Tots els fitxers que adjunteu als registres de tasques o que afegiu com a observables s'emmagatzemen en un sistema de fitxers distribuït de Hadoop (HDFS).

Característiques TH4

Apache Cassandra és un sistema d'administració de bases de dades distribuïdes de codi obert dissenyat per manipular grans quantitats de dades en diversos servidors, oferint una alta disponibilitat sense un únic punt de fallada. Ofereix un suport robust per a 'clusters' que abasteixen diversos centres de dades.

Apache Hadoop és un entorn de programari emprat per a l'emmagatzemament i processat distribuït de dades usant el model de programació MapReduce. Consisteix en clústers d'ordinadors construïts mitjançant maquinari estàndard.

TheHive4



Característiques TH3

Arquitectura

Està escrit a Scala i utilitza Elasticsearch. La seva API REST és apàtrida, cosa que li permet escalar horitzontalment. La utilitat frontal és AngularJS amb Bootstrap.

Bases de dades

TheHive utilitzà el motor de cerca Elasticsearch per emmagatzemar totes les dades com a documents persistents. Elasticsearch no forma part del paquet TheHive. S'ha d'instal·lar i configurar com una instància autònoma que es pugui localitzar a la mateixa màquina.

TheHive utilitzà el port http d'Elasticsearch (per defecte, 9200 / tcp).

Es requereixen tres paràmetres per connectar-se a Elasticsearch:

- nom base de l'índex
- nom del clúster
- adreça i els ports de la instància d'Elasticsearch

Akka és un conjunt d'eines i un temps d'execució gratuït i de codi obert per crear aplicacions altament concurrents, distribuïdes i tolerants a fallades.

Scala és un llenguatge de programació BSD (programari lliure) modern multi-paradigma dissenyat per a expressar patrons de programació generals d'una manera concisa, elegant i segura respecte als tipus.

Play Framework és un marc d'aplicacions web de codi obert.

Elasticsearch us permet emmagatzemar, cercar i analitzar enormes volums de dades de manera ràpida i gairebé en temps real i retornar respostes en mil·lisegons. Pot obtenir respostes de cerca ràpides perquè en lloc de cercar directament el text, cerca un índex.

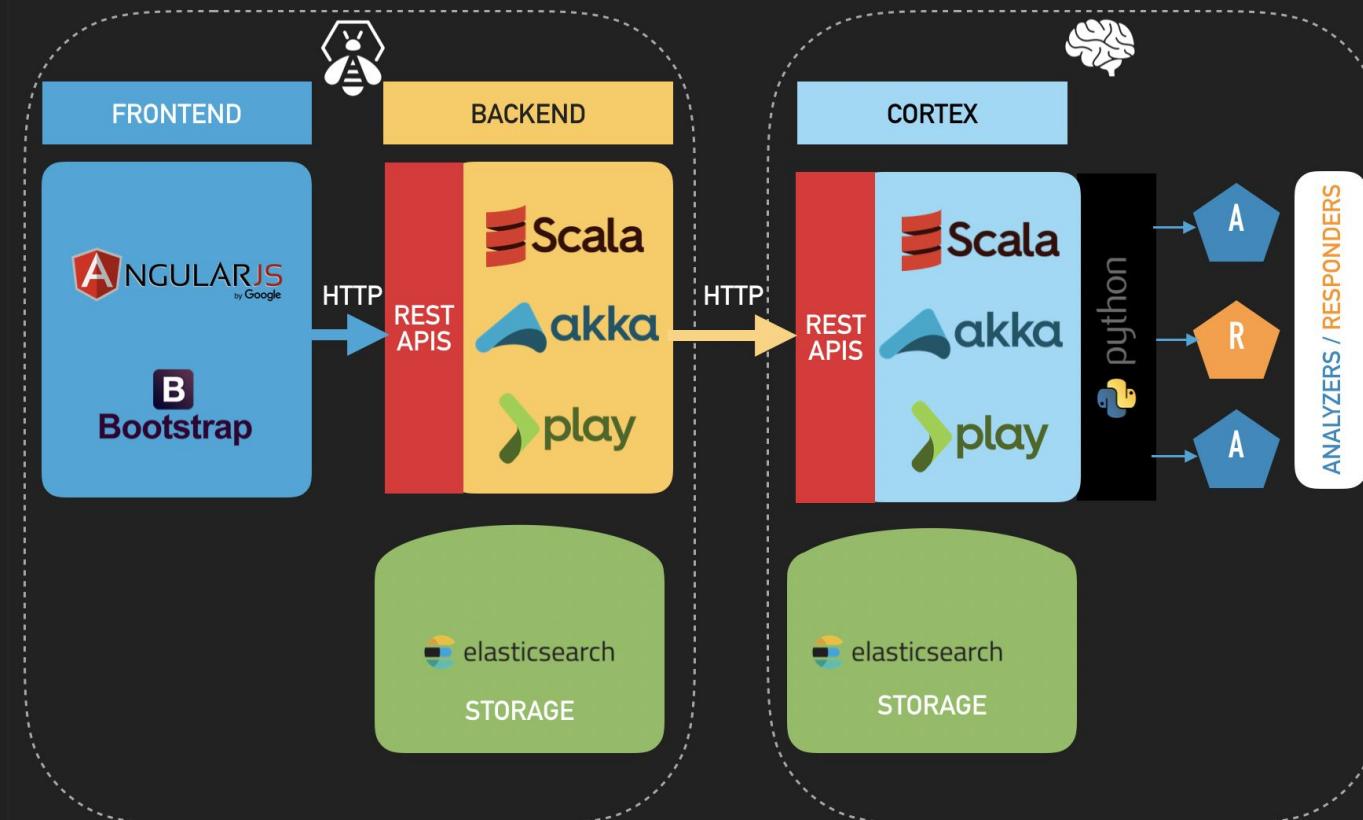
Elasticsearch és NoSQL **database**. Això vol dir que emmagatzema dades de manera no estructurada i que no podeu utilitzar SQL per consultar-les.

AngularJS és un framework de JavaScript de codi obert que s'utilitza per crear i mantenir aplicacions web d'una sola pàgina.

Bootstrap és una biblioteca multiplataforma o conjunt d'eines de codi obert per al disseny de llocs i aplicacions web. Conté plantilles de disseny amb tipografia, formularis, botons, quadres, menús de navegació i altres elements de disseny basat en HTML i CSS, així com a extensions de JavaScript addicionals. Només ocupa el desenvolupament front-end.

Python és un llenguatge de programació interpretat.

TheHive3



Què és TheHive? (SIRP)

TheHive, com SIRP, ens permet investigar incidents de seguretat de forma ràpida i col·laborativa. Diversos analistes poden treballar simultàniament en tasques i casos. Si bé els casos es poden crear des de zero, TheHive pot rebre alertes de diferents fonts gràcies als alimentadors d'alertes que consumeixen esdeveniments de seguretat generats per múltiples fonts i els alimenten TheHive utilitzant la biblioteca **TheHive4py** esmentada.

Ón es pot instal·lar?

La instal·lació es pot fer:

- En un servidor **Debian** o **Centos** on cal fer la instal·lació i configuració.
- En contenidors de **Docker** on únicament cal fer la configuració extesa.
- Es pot instal·lar fàcilment en qualsevol distribució estàndard de GNU / Linux
- **Red Hat Package Manager** o **RPM** (eina d'administració de paquets), **DEB package** (paquets instal·ladors de programari), **Binaris**, or **Build it Yourself**.

API REST -> Serveix per comunicarse entre apps dades de forma eficaç i fiable.

Una **API** (interfície de programació d'apps) es un conjunt de requisicions (documents que permeten una adquisició) que permet la comunicació d'informació entre apps. La API fa ús de requisicions HTTP que s'encarreguen de les operacions bàsiques pel tractament de dades.

Les principals **sol·licituds** son:

POST: crea dades al servidor

GET: lectura de dades al host

DELETE: esborra la informació

PUT: registre d'actualitzacions

REST (de la arquitectura) es l'abreviació de Representational State Transfer, és un conjunt de restriccions que s'usen perquè les sol·licituds d'abans compleixin amb les directrius definides en la arquitectura

Les regles de la arquitectura son:

- Client-server
- Etc.

Comunicació

TheHive4PY

És un API en Python que es propia de TheHive. Ens permet la interacció entre diferents solucions com un SIEM.

Autenticació

TheHive compleix la connexió local, LDAP, Active Directory (AD) o Auth2 / OpenID Connect per a l'autenticació. Per defecte, depèn de les credencials locals emmagatzemades a Elasticsearch.

Els mètodes d'autenticació s'emmagatzemen al *auth.provider* paràmetre, que té diversos valors. Quan un usuari inicia la sessió, cada mètode d'autenticació s'intenta en ordre fins que s'aconsegueix. Si no funciona cap mètode d'autenticació, torna a ser un error i utilitzar-lo no pot iniciar la sessió.

Per habilitar l'autenticació mitjançant AD, LDAP o O Auth2 / OpenID Connect, editarem *application.conf* i donarem els valors del entorn, etc.

Cortex en TheHive

Pot utilitzar un o diversos motors d'anàlisi Cortex per obtenir informació addicional sobre els observables. Quan es configuren, els analitzadors disponibles a Cortex es poden usar en TheHive.

MISP en TheHive

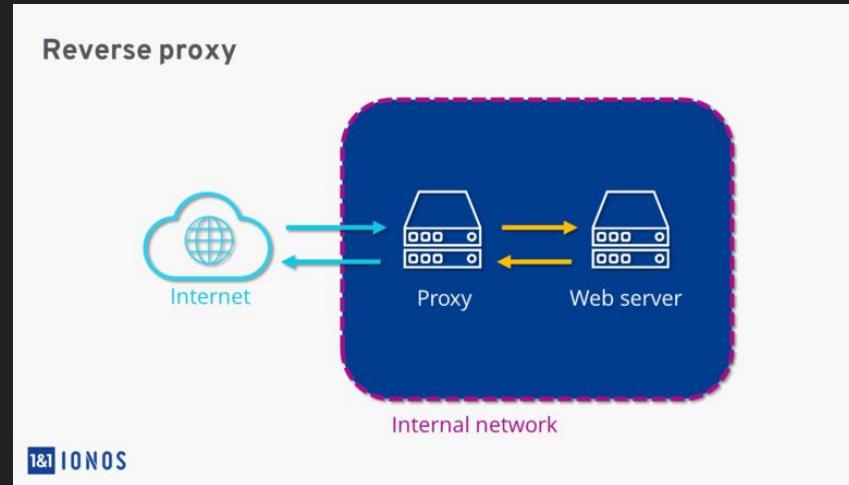
TheHive pot interactuar amb MISP de dues maneres: importar un esdeveniment MISP per crear un cas en TheHive i exportar un cas TheHive per crear un esdeveniment MISP. Per defecte, qualsevol instància/es de MISP que s'afegeixi a la configuració de TheHive s'utilitzarà per importar esdeveniments i exportar casos.

Els esdeveniments MISP només seran importats per TheHive si tenen al menys un atribut i van ser publicats.

(haurà de crear una plantilla de cas abans d'importar esdeveniments de MISP i apareixeran com alertes dins de l'Alertspanel)

HTTPS

Es pot habilitar HTTPS en l'aplicació TheHive o afegir un servidor intermediari invers davant de TheHive. Es recomana l'última solució.



Proxy Invers

- **Load balancing** -> permet l'accés a un recurs web eficaçment i distribueix la càrrega de sol·licituds web en diversos servers garantitzant amb el seu rol que tracti de igual forma la quantitat de sol·licituds per no desbordar.
- **Caché** -> Pot fer com a cau.
- **Protecció d'atacs** -> Al no revelar la IP del Server, s'enmascara la IP real.
- **Xifrat SSL** -> Desxifra les sol·licituds web que es generin i quan tingui resposta per part del server, la xifra i la envia al client i el server utilitzi altres recursos per millorar rendiment.

Quin contingut té TheHive?

- Alertes (de molts tipus)
- Plantilles per als casos
- Report templates
- Observables
- Casos
- Panells de control
- Mètriques
- Users

Aixecament

```
root@grail-VB:/home/grail/docker# docker-compose up
Starting docker_elasticsearch_1 ...
Starting docker_elasticsearch_1 ... done
Starting docker_cortex_1 ...
Starting docker_cortex_1 ... done
Starting docker_thehive_1 ...
Starting docker_thehive_1
```

```
root@grail-VB: /home/grail/docker
File Edit View Search Terminal Help
GNU nano 2.9.3
docker-compose.yml

version: "2"
services:
  elasticsearch:
    user: $USER
    image: elasticsearch:7.9.1
    environment:
      - http.host=0.0.0.0
      - discovery.type=single-node
      - script.allowed_types=inline
      - thread_pool.search.queue_size=100000
      - thread_pool.write.queue_size=10000
    ulimits:
      nofile:
        soft: 65536
        hard: 65536
    volumes:
      - $PWD/elasticsearch/data:/usr/share/elasticsearch/data
      - $PWD/elasticsearch/logs:/usr/share/elasticsearch/logs
  cortex:
    image: thehiveproject/cortex:latest
    environment:
      - job_directory=/tmp/cortex-jobs
    volumes:
      - /var/run/docker.sock:/var/run/docker.sock
      - /tmp/cortex-jobs:/tmp/cortex-jobs
    depends_on:
      - elasticsearch
    ports:
      - "0.0.0.0:9001:9001"
  thehive:
    image: thehiveproject/thehive:latest
    depends_on:
      - elasticsearch
      - cortex
    ports:
      - "0.0.0.0:9000:9000"
    command: --cortex-port 9001 --cortex-key ewv6cimImNzifmsqiDtx8Ho/pb3t5gbw
```

Users

Podem afegir múltiples usuaris amb diferents rols dins del SOC amb diferents permisos assignats.

Hi ha 4 funcions:

- **read**: es poden llegir totes les dades no sensibles. Amb aquesta funció, un usuari no pot fer cap canvi. No poden afegir cap cas, tasca, registre o observable. Tampoc no poden executar analitzadors.
- **write**: crear, eliminar i canviar dades de qualsevol tipus. Aquesta funció és per als usuaris estàndard. **write** el paper hereta els **read** drets.
- **admin**: Els usuaris amb aquesta funció poden gestionar comptes d'usuari, mètriques, crear plantilles de casos i tipus de dades observables. **admin** hereta **write** drets.
- **alert**: els usuaris amb aquesta funció només poden crear alertes.

Exemple

Add user

Login * grail_becari

Full name * grail_becari

Roles * read, write ▾

Additional Permissions Allow alerts creation

Cancel **Save user**

Exemple Ilista users

TheHive + New Case My tasks 0 Waiting tasks 73 Alerts 0 Dashboards Search CaseId Admin Administrator

User management

Add user 10 per page

Login	Full Name	Roles	Password	API key	Actions
admin	Administrator	read, write, admin	New password	Renew Revoke Reveal	Lock Edit
content	Content Engineer	read, write	New password	Renew Revoke Reveal	Lock Edit
it	IT Team	read, write	New password	Renew Revoke Reveal	Lock Edit
l1	L1 Analyst	read, write, alert	New password	Renew Revoke Reveal	Lock Edit
l2	L2 Analyst	read, write	New password	Renew Revoke Reveal	Lock Edit

Templates

Quan TheHive està connectat a un servidor Cortex, es poden analitzar els observables per obtenir-ne informació addicional. Cortex genera informes en format JSON. Per tal que els informes siguin més llegibles, podeu configurar les plantilles d'informes. Les plantilles d'informes converteixen JSON a HTML mitjançant el motor de plantilles AngularJS.

Per a cada analitzador disponible a **Cortex** podeu definir dos tipus de plantilles: curtes i llargues. Un informe breu exposa informació sintètica, que es mostra a la part superior de la pàgina observable. Amb informes breus podeu veure un resum de tots els analitzadors d'execució. Els informes llargs només mostren informació detallada quan l'usuari selecciona l'informe. Les dades sense format en format JSON sempre estan disponibles.

Les plantilles d'informes es poden configurar al menú **Admin> Report templates**. Oferim plantilles d'informes per a analitzadors Cortex predeterminats. Es pot descarregar un paquet amb totes les plantilles d'informes a <https://dl.bintray.com/thehive-project/binary/report-templates.zip> i es pot injectar mitjançant el Import templates botó.

Templates

Case template management

[+ New template](#)[Import template](#)

Current templates

PHISHING

MISP-EVENT

Case basic information

Template name *

MISP-EVENT

This name should be unique

Title prefix

[MISP]

This is used to prefix the case name

Severity

This will be the default case severity

TLP**TLP:AMBER**

This will be the default case TLP

Tagsmisp from-misp-event Tags

These will be the default case tags

Description *

Case created from a MISP event.

Tasks (10)

[Scratchpad](#)[Edit](#) [Delete](#)[\[Comms\] Constituency](#)[Edit](#) [Delete](#)[\[Comms\] Peers & Partners](#)[Edit](#) [Delete](#)[\[Comms\] Other](#)[Edit](#) [Delete](#)[\[IR-Step2\] Detection & Identification](#)[Edit](#) [Delete](#)[\[IR-Step2\] Analysis & Digital Forensics](#)[Edit](#) [Delete](#)[\[IR-Step3\] Containment](#)[Edit](#) [Delete](#)[\[IR-Step4\] Eradication](#)[Edit](#) [Delete](#)[\[IR-Step5\] Recovery](#)[Edit](#) [Delete](#)[\[IR-Step6\] Lessons Learned](#)[Edit](#) [Delete](#)

Metrics (0)

No metrics have been added. [Add a metric](#)

Custom fields (0)

Observables

Els diferents tipus de observables que tenim:

dataType
other
uri_path
regexp
file
registry
ip
mail_subject
mail
url
hash
domain
autonomous-system
filename
fqdn
user-agent

Mètriques

Les mètriques s'han integrat per tenir indicadors rellevants sobre casos.

Les mètriques són valors numèrics associats a casos (per exemple, el nombre d'usuaris afectats). Cada mètrica té un **nom**, un **títol** i una **descripció**, definits per un **administrador**.

Les mètriques es defineixen globalment. Per crear mètriques, com a administrador, aneu al menú d'administració i obriu l'element "Mètriques de majúscules i minúscules".

Les mètriques s'utilitzen per crear estadístiques (element "Estadístiques" al menú del perfil d'usuari). Es poden filtrar per intervals de temps i majúscules i minúscules amb etiquetes específiques.

Tasks

És quadre ón l'analista de turn pot ingresar de forma detallada les seves observacions respecte el cas, és a dir, són tasques que ha de fer l'analista, etc. i exposar el seu tractament.

Tasks (10)		
☰ Scratchpad	Edit	Delete
☰ [Comms] Constituency	Edit	Delete
☰ [Comms] Peers & Partners	Edit	Delete
☰ [Comms] Other	Edit	Delete
☰ [IR Step2] Detection && Identification	Edit	Delete
☰ [IR Step2] Analysis && Digital Forensics	Edit	Delete
☰ [IR Step3] Containment	Edit	Delete
☰ [IR-Step4] Eradication	Edit	Delete
☰ [IR-Step5] Recovery	Edit	Delete
☰ [IR Step6] Lessons Learned	Edit	Delete

Protocols TLP i PAP

TheHive té la capacitat d'identificar automàticament els observables que ja s'havien vist en casos anteriors. Els observables també es poden associar a un TLP i un PAP i a la font que els ha proporcionat o ha generat mitjançant etiquetes.

Protocol TLP: Nivells

S'ha d'utilitzar TLP: **RED** quan la informació està limitada a persones concretes, i podria tenir impacte en la privacitat, reputació o operacions si és mal utilitzada.

S'ha d'utilitzar TLP: **AMBER** quan la informació requereix ser distribuïda de forma limitada, però suposa un risc per a la privacitat, reputació o operacions si és compartida fora de l'organització.

S'ha d'utilitzar TLP: **GREEN** quan la informació és útil per a totes les organitzacions que hi participen, així com amb tercers de la comunitat o el sector.

S'ha d'utilitzar TLP: **WHITE** quan la informació no suposa cap risc de mal ús, dins de les regles i procediments establerts per a la seva difusió pública.

Protocol PAP: Nivells

(PAP: **VERMELL**) Només accions no detectables. Els destinataris no poden utilitzar informació PAP: RED a la xarxa. Només accions passives en registres que no es poden detectar des de l'exterior.

(PAP: **AMBRE**) Comprovació passiva de creu. Els destinataris poden utilitzar la informació PAP: AMBER per realitzar controls en línia, com ara l'ús de serveis prestats per tercers (per exemple, VirusTotal), o configurar un test de control.

(PAP: **VERD**) Es permeten accions actives. Els destinataris poden utilitzar informació PAP: VERD per fer ping a l'objectiu, bloquejar el trànsit entrant / sortint des de / cap a l'objectiu o configurar específicament les zones de mel per interactuar amb l'objectiu.

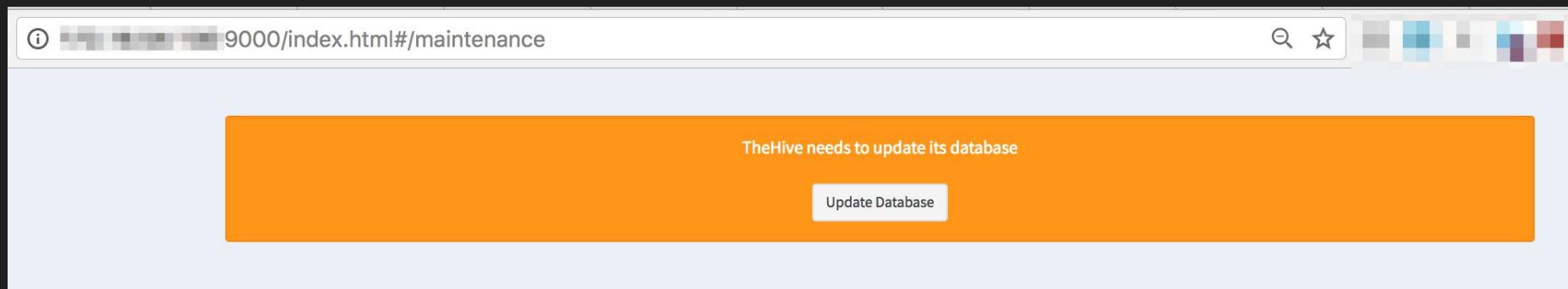
(PAP: **BLANC**) No hi ha restriccions en l'ús d'aquesta informació.

Per què utilitzar-lo?

TLP va ser creat per a fomentar un millor intercanvi d'informació sensible (però no classificada) en l'àmbit de la seguretat de la informació, és a dir, garantitza que la compartició de les dades és amb la audiencia adequada.

És utilitzat per organitzacions públiques i privades en el sector de la ciberseguretat.

La primera vegada que us connectem, haureu de crear l'esquema de la base de dades.



Un cop acabat, hauríem de ser redirigit a la pàgina per crear el compte de l'administrador.

Create administrator account

Login

Name

Password

Create

Un cop creat, hauriem de ser redirigits
a la pàgina d'inici de sessió.



TheHive interface - Cases

The screenshot shows a 'Cases' page in TheHive. At the top, there's a header with a 'Case # 1 - Spear phishing mail to CEO' title, a 'Created by administrator' timestamp ('Mon, Sep 2nd, 2019 13:36 +02:00'), and standard navigation icons for Close, Flag, Merge, and Remove.

The main content area has tabs for 'Details', 'Tasks' (with 2 items), and 'Observables' (with 0 items). Below these tabs, there are three red callout boxes:

- Observables that can be analyzed**
- Tasks that can be assigned to analysts**
- Custom tasks (e.g. MITRE ATT&CK)**

The left sidebar contains the following information:

Summary
Title: Spear phishing mail to CEO
Severity: H
TLP: TLP:AMBER
PAP: PNP:AMBER
Assignee: administrator
Date: Mon, Sep 2nd, 2019 13:35 +02:00
Tags: CEO Fraud, Phishing, T1192

Below the sidebar, there's a section for 'Additional information' which states 'No additional information have been specified'. To the right, there's a 'Metrics' section which also states 'No metrics have been set'.

At the bottom, a note says: 'On 7 September 2019, we observed an incoming spear phishing mail towards the CEO (Erik Van Buggenhout). It appears the link was clicked...'.

TheHive focuses on three core pillars:

Collaborate – multiple SOC and CERT analysts can simultaneously work on an investigation and collaborate.

Elaborate – TheHive allows you to create flows and templates to speed up and automate tedious tasks.

Analyze – TheHive tightly integrates with MISP, which allows for bi-directional communication. The platform allows for quick triage and filtering of IOCs.

TheHive interface - Tasks

The screenshot shows a screenshot of the TheHive interface. At the top, there is a header bar with the title "Case # 1 - Spear phishing mail to CEO". Below the header, there is a sub-header with the text "Created by administrator Mon, Sep 2nd, 2019 13:36 +02:00" and a set of actions: "Close", "Flag", "Merge", and "Remove".

The main content area has a navigation bar with tabs: "Details" (selected), "Tasks" (with a count of 2), and "Observables" (with a count of 0). Below the navigation bar are buttons for "+ Add Task" and "Show Groups". To the right is a search bar with a "Filter" input field and a search icon.

The "Tasks" table has the following data:

Group	Task	Date	Assignee	Actions
Investigation	Open attachment / URL in sandbox		Not assigned	▶ Start
Investigation	Retrieve full phishing mail		Not assigned	▶ Start

In the above screenshot, we see a number of tasks that have been created for an example case (currently not assigned to an analyst). We can also create templates in TheHive which include a number of built-in tasks!

Created by admin | Wed, Jan 13th, 2021 2:51 +01:00



Responders

Details

Tasks 0

Observables 1

1[.]1[.]1[.]1

Action ▾

+ Add observable(s)

Stats

Filters

15

per page

Observable List (1 of 1)

Type	Value/Filename	Date Added	Actions
ip	1[.]1[.]1[.]1	01/13/21 2:52	

List of cases (2 of 10)

Quick Filters ▾ Sort by ▾

1 filter(s) applied: status: Open X Clear filters

Stats Filters 15 per page

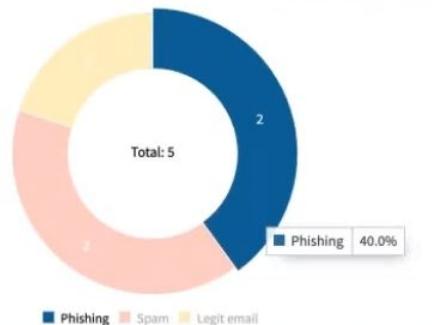
Title	Severity	Tasks	Observables	Assignee	Date	Actions
#10 - Phishing report	M	No Tasks	4	A	03/19/20 14:31	
mitre-T1193 mitre-T1192 mitre-T1194 reporting_user:john.doe@mycompany.com mail sent						
#6 - 02 - Beaconing detected to http://51.89.115.101/images/cursor.png	M	9 Tasks	3	A	03/19/20 13:40	
mitre-T1043 mitre-T1094 mitre-T1008 mitre-T1102						

Open in new window Hide

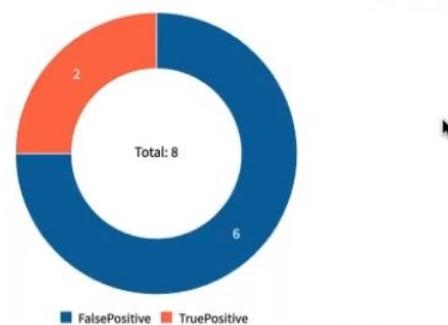
- Updated by admin Action Phish_Feedback_1_0 terminated a day
endDate: Thu, Mar 19th, 2020 14:38 +01:00
status: Success
- Updated by admin Phishing report a day
tags: mitre-T1193 mitre-T1192 mitre-T1194 reporting_user:john.doe@mycompany.com mail sent
 #10 - Phishing report
- Added by admin Action: Phish_Feedback_1_0 started a day
objectType: case
startDate: Thu, Mar 19th, 2020 14:38 +01:00
status: InProgress
- Updated by admin Phishing report a day
customFields: {"phishFeedback": {"string": "Spam"}}
 #10 - Phishing report
- Updated by admin Phishing report a day
customFields: {"phishFeedback": {"string": null, "order": 1}}
 #10 - Phishing report

TheHive Reporting

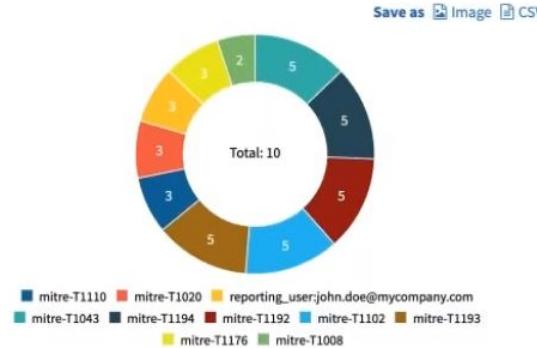
Phishing Feedback



Revolved cases by resolution



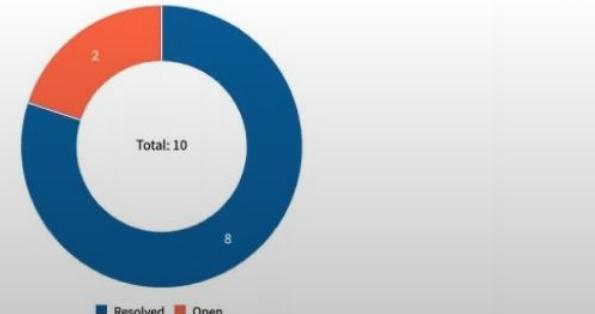
Case tags



Owner of open cases



Cases by status



Què és Cortex?



És un motor d'anàlisi independent i un company perfecte per TheHive i MISP. Els analistes poden utilitzar-lo per analitzar observables utilitzant la seva interfície web d'usuari, en aquest cas poden enviar només d'un en un. El poder realment entra en joc quan fem servir la seva API REST. TheHive parla nativament a Cortex (com ho fa MISP).

També olla invocar Mòduls d'Expansió MISP. Aquests són normalment utilitzats per MISP per enriquir a els atributs dins de dels esdeveniments, però Cortex tambié olla aprofitar-les per ANALITZAR a els observables.

Quin contingut té Cortex?

- Organitzacions
- Usuaris (amb diferents rolts)
- Analitzadors
- Respostes

Organitzacions

The screenshot shows the Cortex web application interface for managing organizations. The title bar indicates the URL is `localhost:9001/index.html#!/admin/organizations`. The header includes the Cortex logo, navigation links for 'Organizations' and 'Users', and a user session indicator for 'cortex/admin'. The main content area is titled 'Organizations (2)'. It features a search bar with fields for 'Status' (set to 'Select'), 'Description' (with placeholder 'Search for description'), 'Search' button, 'Clear' button, and a page size selector set to '50 / page'. Below the search bar is a table with two rows. The first row contains the organization 'grail' (Status: Active), with 'Edit' and 'Disable' buttons. The second row contains the organization 'cortex' (Status: Active), which is identified as a 'Default organization', also with 'Edit' and 'Disable' buttons. At the bottom right of the table is another '50 / page' page size selector.

Status	Organization	Actions
Active	grail grail	Edit Disable
Active	cortex Default organization	Edit

Analitzadors

Té 39 analitzadors. Un analitzador pot escriure en qualsevol llenguatge de programació admès per Linux, encara que tots els seus analitzadors actuals estan escrits en Python. Això es deu al fet que proporcionem una biblioteca de Python anomenada Cortexutils que conté un conjunt de classes d'utilitat que fan que sigui més fàcil escriure un analitzador en Python.

Organization: grail

Users

Analyzers Config

Analyzers

Responders Config

Responders

Available analyzers (164)

Refresh analyzers



Filter available analyzers

Analyzer

Max TLP

Max PAP

Rate Limit

Cache

AbuseIPDB_1_0

Version: 1.0 Author: Matteo Lodi License: AGPL-v3 Type: Docker

+ Enable

Determine whether an IP was reported or not as malicious by AbuseIPDB

Abuse_Finder_3_0

Version: 3.0 Author: CERT-BDF License: AGPL-V3 Type: Docker

+ Enable

Find abuse contacts associated with domain names, URLs, IPs and email addresses.

AnyRun_Sandbox_Analysis_1_0

Version: 1.0 Author: Andrea Garavaglia, Davide Arcuri, LDO-CERT License: AGPL-V3 Type: Docker

+ Enable

Any.Run Sandbox file analysis

Autofocus_GetSampleAnalysis_1_0

Version: 1.0 Author: ANSSI License: AGPL-V3 Type: Docker

+ Enable

Get full analysis from a sample based on its hash

Responders

Els responders són programes que té Cortex per poder combatre les amenaces, ja sigui, denegar IP's, dominis, etc. Es poden executar en el mateix TheHive.

Organization: grail

Users

Analyzers Config

Analyzers

Responders Config

Responders

Available responder configurations (16)



Filter configurations

Options

Configuration

Responders

Global Configuration

4

Options

Edit

- ✗ proxy_http: url of http proxy
- ✗ proxy_https: url of https proxy
- ✗ cacerts: certificate authorities
- ✗ jobTimeout: maximum allowed job execution time (in minutes)
(Default: 30)

6

Options

Edit

AMPforEndpoints

- ✗ amp_cloud: FQDN of the AMP for Endpoints cloud to interact with
- ✗ client_id: Client ID for AMP for Endpoints
- ✗ api_key: API Key for AMP for Endpoints
- ✗ scd_guid: AMP for Endpoints Simple Custom Detection GUID
- ✗ group_guid: AMP for Endpoints Group GUID for the group connectors will be moved to
- ✗ unlock_code: Custom unlock code used to stop isolation from the endpoint (Maximum 24 characters)



Què és MISP? (CyDefSIG)

És una plataforma per compartir amenaces i és un programari de codi obert i gratuït que ajuda a compartir informació de la intel·ligència sobre amenaces, recopilar, emmagatzemar i correlacionar indicadors de compromís d'atacs específics, intel·ligència d'amenaces, informació sobre frauds financers, informació sobre vulnerabilitats o fins i tot informació contra el terrorisme.

Què fa MISP?

- Emmagatzema informació tan tècnica com no tècnica sobre malware i atacs ja detectats.
- Crear automàticament relacions entre malware i els seus atributs.
- Emmagatzema dades en un format estructurat, permetent així un us automatizat de sistemes de detecció o eines forenses .
- Generar regles NIDS per després importarse a IDS.
- Compartir els atributs de malware i amenaces amb altres organitzacions i grups de confiança.

Quin contingut té?

- Usuaris
- Organitzacions
- Events (per difundir-los)
- Rols
- Dashboard
- Etc. a la següent diapositiva

- **Taxonomies** -> ens permet classificar els events.
- **Galaxies** -> ens permet agrupar diferents grups d'events (peçes de malware) i entendre tendències de malware.
- **Atributs i categories (del atribut no del event)** -> antivirus, network activity...
- **Atributs (tipus) que es comparteixen** -> md5, filename, hostname, ip-src, ip-dst...
- **Warning-list** -> ens permet treballar amb falsos positius (indicadors que no es apliquen a nosaltres ja que són d'altres regions...)
- **TLP** -> etiqueta per com compartir l'event
- **Feeds** -> proporcionen intercanvi d'informació a través de HTTP, USB...

¿I què és un esdeveniment?

No és més que el registre d'una mostra amb les seves IOC (indicadors de compromís) que hagim descobert o se'ns hagi remès des d'un SIEM, IDS o IPS, i així poder-lo correlacionar amb la nostra llista de feeds.

Què són els Feeds?

Bàsicament són recursos (obtinguts de fonts remotes o locals) que generen tercers amb informació i que podem recollir per afegir-la en la nostra instància de MISP. Aquesta informació ve estructurada en format MISP, CSV o text pla, i conté indicadors que poden importar automàticament en MISP en intervals predefinits.

- [Add User](#)
- [List Users](#)
- [Pending registrations](#)
- [User settings](#)
- [Set Setting](#)
- [Contact Users](#)
-
- [Add Organisation](#)
- [List Organisations](#)
-
- [Add Role](#)
- [List Roles](#)
-
- [Server Settings &](#)

Local organisations having a presence on this instance

[« previous](#) [next »](#) [View all](#)

Local organisations							Known remote organisations				All organisations			Enter value to search			Filter
Id	Logo	Name	UUID	Description			Nationality	Sector	Type	Contacts	Added by	Local	Users	Restrictions	Actions		
1	ORGNAME	ORGNAME	0407fbad-c542-4478-b2ac-12126230593d	Automatically generated admin organisation					ADMIN			Unknown	Yes	1			

Page 1 of 1, showing 1 records out of 1 total, starting on record 1, ending on 1

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[Add User](#)[List Users](#)[Pending registrations](#)[User settings](#)[Set Setting](#)[Contact Users](#)[Add Organisation](#)[List Organisations](#)[Add Role](#)[List Roles](#)[Server Settings &](#)[Maintenance](#)[Update Progress](#)[Jobs](#)[Scheduled Tasks](#)[Event Block Rules](#)[Blocklists Event](#)[Manage Event Blocklists](#)[Blocklists Organisation](#)[Manage Org Blocklists](#)

Admin Add User

Email Set password**Organisation****Role****Authkey****NIDS SID****Sync user for****PGP key**

Paste the user's PGP key here or try to retrieve it from the CIRCL key server by clicking on "Fetch PGP key" below.

Fetch PGP key Receive email alerts when events are published Receive email alerts from "Contact reporter" requests Disable this user account Send credentials automatically**Create user**

[Add User](#)[List Users](#)[Pending registrations](#)[User settings](#)[Set Setting](#)[Contact Users](#)[Add Organisation](#)[List Organisations](#)[Add Role](#)[List Roles](#)[Server Settings & Maintenance](#)

Users index

Click [here](#) to reset the API keys of all sync and org admin users in one shot. This will also automatically inform them of their new API keys.

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All Active Disabled

Enter value to search

Filter

ID	Org	Role	Email	Authkey	Event alert	Contact alert	PGP Key	NIDS SID	Terms Accepted	Last Login	Created	Disabled	Actions
1	ORGNAME	admin	admin@grail.com	*****	x	x	x	4000000	x	2021-01-21 08:12:36		x	

Page 1 of 1, showing 1 records out of 1 total, starting on record 1, ending on 1

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[My Profile](#)[My Settings](#)[Set Setting](#)[Dashboard](#)[List Organisations](#)[Role Permissions](#)[List Sharing Groups](#)[Add Sharing Group](#)[User Guide](#)[Terms & Conditions](#)[Statistics](#)

Roles

Instance specific permission roles.

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ID	Default	Name	Site				Regexp			Tag		Sharing			Object		Galaxy		Publish	Publish	Memory	Max execution time	Searches / 15 mins	
			Admin	Admin	Sync	Audit	Auth	Access	Tagger	Editor	Template	Group	Delegate	Sighting	Template	Editor	Decaying	Zmq	Kafka	Limit	time			
1	<input type="checkbox"/>	admin	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	2048M	300 s	Unlimited	
2	<input type="checkbox"/>	Org Admin	✗	✓	✗	✓	✓	✗	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	2048M	300 s	Unlimited
3	<input type="checkbox"/>	User	✗	✗	✗	✗	✓	✗	✓	✗	✗	✗	✗	✓	✗	✗	✓	✗	✗	✗	2048M	300 s	Unlimited	
4	<input type="checkbox"/>	Publisher	✗	✗	✗	✗	✓	✗	✓	✗	✗	✗	✓	✓	✗	✗	✓	✗	✓	✓	✓	2048M	300 s	Unlimited
5	<input type="checkbox"/>	Sync user	✗	✗	✓	✗	✓	✗	✓	✓	✗	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	2048M	300 s	Unlimited
6	<input type="checkbox"/>	Read Only	✗	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	2048M	300 s	Unlimited	

List Taxonomies

Update Taxonomies

Taxonomies

[« previous](#) [1](#) [2](#) [3](#) [next »](#)

ID	Namespace	Description	Version	Enabled	Required	Active Tags	Actions
121	workflow	Workflow support language is a common language to support intelligence analysts to perform their analysis on data and information.	10	No	<input type="checkbox"/>	0 / 26	  
120	vocabulaire-des-probabilites-estimatives	Ce vocabulaire attribue des valeurs en pourcentage à certains énoncés de probabilité	3	No	<input type="checkbox"/>	0 / 5	  
119	veris	Vocabulary for Event Recording and Incident Sharing (VERIS)	2	No	<input type="checkbox"/>	0 / 1992	  
118	use-case-applicability	The Use Case Applicability categories reflect standard resolution categories, to clearly display alerting rule configuration problems.	1	No	<input type="checkbox"/>	0 / 8	  
117	type	Taxonomy to describe different types of intelligence gathering discipline which can be described the origin of intelligence.	1	No	<input type="checkbox"/>	0 / 11	  
116	trust	The Indicator of Trust provides insight about data on what can be trusted and known as a good actor. Similar to a whitelist but on steroids, reusing features one would use with Indicators of Compromise, but to filter out what is known to be good.	1	No	<input type="checkbox"/>	0 / 12	  
115	tor	Taxonomy to describe Tor network infrastructure	1	No	<input type="checkbox"/>	0 / 4	  
114	tlp	The Traffic Light Protocol - or short: TLP - was designed with the objective to create a favorable classification scheme for sharing sensitive information while keeping the control over its distribution at the same time.	5	No	<input type="checkbox"/>	0 / 5	  
113	threats-to-dns	An overview of some of the known attacks related to DNS as described by Torabi, S., Boukhtouta, A., Assi, C., & Debbabi, M. (2018) in Detecting Internet Abuse by Analyzing Passive DNS Traffic: A Survey of Implemented Systems. <i>IEEE Communications Surveys & Tutorials</i> , 1–1. doi:10.1109/comst.2018.2849614	1	No	<input type="checkbox"/>	0 / 18	  

[List Taxonomies](#)[View Taxonomy](#)[Delete Taxonomy](#)[Update Taxonomies](#)

PHISHING Taxonomy Library

Id	95
Namespace	phishing
Description	Taxonomy to classify phishing attacks including techniques, collection mechanisms and analysis status.
Version	4
Enabled	No (enable)

<< previous [next >>](#)

<input type="checkbox"/> Tag	Expanded	Numerical value	Events	Attributes	Tags	Action
<input type="checkbox"/> phishing:action="pending-dispute-resolution"	Action: Pending dispute resolution	N/A	N/A	N/A		
<input type="checkbox"/> phishing:action="pending-law-enforcement-request"	Action: Pending law enforcement request	N/A	N/A	N/A		
<input type="checkbox"/> phishing:action="take-down"	Action: Take down	N/A	N/A	N/A		
<input type="checkbox"/> phishing:distribution="bulk-phishing"	Distribution: Bulk phishing	N/A	N/A	N/A		
<input type="checkbox"/> phishing:distribution="spear-phishing"	Distribution: Spear phishing	N/A	N/A	N/A		
<input type="checkbox"/> phishing:distribution="whaling"	Distribution: Whaling phishing	N/A	N/A	N/A		
<input type="checkbox"/> phishing:principle-of-persuasion="authority"	Principle of Persuasion: Society trains people not to question authority so they are conditioned to respond to it. People usually follow an expert or pretense of authority and do a great deal for someone they think is an authority.	N/A	N/A	N/A		
<input type="checkbox"/> phishing:principle-of-persuasion="commitment-reciprocity-consistency"	Principle of Persuasion: People feel more confident in their decision once they commit (publicly) to a specific action and need to follow it through until the end. This is true whether in the workplace, or in a situation when their action is illegal. People have tendency to believe what others say and need, and they want to appear consistent in what they do, for instance, when they owe a favour. There is an automatic response of repaying a favour.	N/A	N/A	N/A		

Are you sure you want to enable this taxonomy library?

Cancelar

Aceptar

Taxonomy enabled.

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Add Event

Date

2021-01-21

Distribution 

Connected communities

Threat Level 

High

Analysis 

Ongoing

Event Info

Es un test

Extends Event

Event UUID or ID. Leave blank if not applicable.

[Submit](#)

[View Event](#)[View Correlation Graph](#)[View Event History](#)[Edit Event](#)[Delete Event](#)[Add Attribute](#)[Add Object](#)[Add Attachment](#)[Add Event Report](#)[Populate from...](#)[Enrich Event](#)[Merge attributes from...](#)[Publish Event](#)[Publish \(no email\)](#)[Contact Reporter](#)

Edit Event

Date

2021-01-21

Distribution 

Connected communities

Your organisation only

This community only

Connected communities

All communities

Event Info

Es un test

Extends Event

Event UUID or ID. Leave blank if not applicable.

[Submit](#)

[View Event](#)[View Correlation Graph](#)[View Event History](#)[Edit Event](#)[Delete Event](#)[Add Attribute](#)[Add Object](#)[Add Attachment](#)[Add Event Report](#)[Populate from...](#)[Enrich Event](#)[Merge attributes from...](#)[Publish Event](#)[Publish \(no email\)](#)[Contact Reporter](#)[Download as...](#)[List Events](#)[Add Event](#)

Add Attribute

Category i

Network activity

Type i

ip-src

Distribution i

Inherit event

Value

192.168.1.2

Contextual Comment

 For Intrusion Detection System Batch Import Disable CorrelationFirst seen date Last seen date First seen time i

HH:MM:SS.ssssss+TT:TT

Expected format: HH:MM:SS.ssssss+TT:TT

Last seen time i

HH:MM:SS.ssssss+TT:TT

Expected format: HH:MM:SS.ssssss+TT:TT

[Save](#)

[View Dashboard](#)

[Add Widget](#)

[Import Config JSON](#)

[Export Config JSON](#)

[Save Dashboard Config](#)

[List Dashboard Templates](#)

MISP Status  

Events modified: 0 ([View](#))

Events published: 0 ([View](#))

WARNING: This functionality is deprecated and will be removed in the near future. Use the REST client to refine your search conditions and export in any of the given formats with much more control.

Warning, you are logged in as a site admin, any export that you generate will contain the FULL UNRESTRICTED data-set. If you would like to generate an export for your own organisation, please log in with a different user.

[List Events](#)[Add Event](#)[Import from...](#)[REST client](#)[List Attributes](#)[Search Attributes](#)[View Proposals](#)[Events with proposals](#)[View delegation requests](#)[Export](#)[Automation](#)

Export

Export functionality is designed to automatically generate signatures for intrusion detection systems. To enable signature generation for a given attribute, Signature field of this attribute must be set to Yes. Note that not all attribute types are applicable for signature generation, currently we only support NIDS signature generation for IP, domains, host names, user agents etc., and hash list generation for MD5/SHA1 values of file artifacts. Support for more attribute types is planned.

Simply click on any of the following buttons to download the appropriate data.

Type	Last Update	Description	Outdated	Filesize	Progress	Actions	
JSON	N/A	Click this to download all events and attributes that you have access to in MISP JSON format. Attachments are enabled on this instance.	Yes	N/A	N/A	Download	Generate
XML	N/A	Click this to download all events and attributes that you have access to in MISP XML format. Attachments are enabled on this instance.	Yes	N/A	N/A	Download	Generate
CSV_Sig	No valid events	Click this to download all attributes that are indicators and that you have access to (except file attachments) in CSV format.	No	N/A	Queued	Download	Generate

List Events

Add Event

Import from...

REST client

List Attributes

Search Attributes

View Proposals

Events with proposals

View delegation requests

Export

Automation

Automation

Automation functionality is designed to automatically feed other tools and systems with the data in your MISP repository. To make this functionality available for automated tools an authentication key is used.

You can use the [REST client](#) to test your API queries against your MISP and export the resulting tuned queries as curl or python scripts. **Make sure you keep your API key secret as it gives access to the all of the data that you normally have access to in MISP.** To view the old MISP automation page, click [here](#).

Your current key is: `HwdS7K07XaXKhDd4NtRh3SayWHK76VhZufh3vhP`. You can [reset](#) this key.

Search

It is possible to search the database for attributes based on a list of criteria. To return an event or a list of events in a desired format, use the following syntax Whilst a list of parameters is provided below, it isn't necessarily exhaustive, specific export formats could have additional parameters.

```
http://localhost/attributes/restSearch  
http://localhost/events/restSearch
```

returnFormat: Set the return format of the search (Currently supported: json, xml, openioc, suricata, snort - more formats are being moved to restSearch with the goal being that all searches happen through this API). Can be passed as the first parameter after restSearch or via the JSON payload.

limit: Limit the number of results returned, depending on the scope (for example 10 attributes or 10 full events).

page: If a limit is set, sets the page to be returned. page 3, limit 100 will return records 201->300).

value: Search for the given value in the attributes' value field.

type: The attribute type, any valid MISP attribute type is accepted.

category: The attribute category, any valid MISP attribute category is accepted.

org: Search by the creator organisation by supplying the organisation identifier.

tags: To include a tag in the results just write its names into this parameter. To exclude a tag prepend it with a '!'.

quickfilter: Enabling this (by passing "1" as the argument) will make the search ignore all of the other arguments, except for the auth key and value. MISP will return an xml / json (depending on the header sent) of all events

API MISP i REST

MISP inclou una potent API REST que us permet automatitzar la difusió de la intel·ligència i les dades sobre les amenaces. Si no esteu familiaritzat amb l'API, podeu explorar-ne les funcions (i la documentació en línia) mitjançant Event Actions, client REST.

A les últimes versions de MISP, el client de l'API REST admet l'autocompleció.

PyMISP és una biblioteca Python per accedir a plataformes MISP mitjançant la seva API REST PyMISP permet obtenir esdeveniments, afegir o actualitzar esdeveniments / atributs, afegir o actualitzar mostres o buscar atributs.

Les etiquetes són els vocabularis que fem servir per classificar esdeveniments i atributs.

API CLIENT REST

```
1 curl -k \
2   -d '{"returnFormat":"csv","tags":"rsit:fraud=\"phishing\""}' \
3   -H "Authorization: API-KEY" \
4   -H "Accept: application/json" \
5   -H "Content-type: application/json" \
6   -X POST https://MISP-URL/attributes/restSearch
```

YOUR_MISP_URL/attributes/restSearch

YOUR_MISP_URL/events/restSearch

```
curl -i -H "Accept: application/json" -H "content-type: application/json" -H "Authorization: YOUR
```

```
{"Event":{"date":"2015-01-01","threat_level_id":1,"info":"testevent","published":false,"analysis":
```

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REST client

[Bookmarked queries](#)[Query History](#)

HTTP method to use

GET



Relative path to query

 Bookmark query Show result Skip SSL validation

HTTP headers

Authorization: HwdS7K07XaXKHmDd4NtRh3SayWHK76VhZufh3vhP

Accept: application/json

Content-type: application/json

HTTP body

	1

[Run query](#)

[List Events](#)[Add Event](#)[Import from...](#)[REST client](#)[List Attributes](#)[Search Attributes](#)[View Proposals](#)[Events with proposals](#)[View delegation requests](#)[Export](#)[Automation](#)

Automation

Automation functionality is designed to automatically feed other tools and systems with the data in your MISP repository. To do this you can use the [REST client](#) to test your API queries against your MISP and export the resulting tuned queries as curl or python code that you normally have access to in MISP. To view the old MISP automation page, click [here](#).

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Search

It is possible to search the database for attributes based on a list of criteria. To return an event or a list of events in a desired format, specific export formats could have additional parameters.

```
http://localhost/attributes/restSearch
```

```
http://localhost/events/restSearch
```

returnFormat: Set the return format of the search (Currently supported: json, xml, openioc, suricata, snort - more formats are being added). This can be passed as the first parameter after restSearch or via the JSON payload.

[List Feeds](#)[Search Feed Caches](#)[Add Feed](#)[Import Feeds from JSON](#)[Feed overlap analysis matrix](#)[Export Feed settings](#)

Add MISP Feed

Add a new MISP feed source.

 Enabled Caching enabled Lookup visible**Name****Provider****Input Source****URL****Source Format****Any headers to be passed with requests (for example: Authorization)**[Add Basic Auth](#)**Distribution**

Feeds

Generate feed lookup caches or fetch feed data (enabled feeds only)

[Load default feed metadata](#)

[Cache all feeds](#)

[Cache freetext/CSV feeds](#)

[Cache MISP feeds](#)

[Fetch and store all feed data](#)

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[Default feeds](#) [Custom feeds](#) [All feeds](#) [Enabled feeds](#)

Enter value to search

Filter

<input type="checkbox"/>	Id	Enabled	Caching	Name	Format	Provider	Org	Source	URL	Headers	Target	Publish	Delta	Override	Distribution	Tag	Visible	Caching	Actions
<input type="checkbox"/>	1	×	×	CIRCL OSINT Feed	misp	CIRCL		network	https://www.circl.lu/doc/misp/feed-osint		Feed not enabled	×	×	×	All communities	×	Not cached	   	
<input type="checkbox"/>	2	×	×	The Botvrij.eu Data	misp	Botvrij.eu		network	https://www.botvrij.eu/data/feed-osint		Feed not enabled	×	×	×	All communities	×	Not cached	   	

Page 1 of 1, showing 2 records out of 2 total, starting on record 1, ending on 2

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Add Server

Instance identification

Base URL

Instance name

Instance ownership and credentials

Information about the organisation that will receive the events, typically the remote instance's host organisation.

Organisation Type

Local Organisation

 Local organisation ORGNAME

Ask the owner of the remote instance for a sync account on their instance, log into their MISP using the sync user's credentials and retrieve your API key by navigating to Global actions -> My profile. This key is used to authenticate with the remote instance.

Authkey

 Leave empty to use current key

Enabled synchronisation methods

 Push Pull Push Sightings Caching Enabled Push Galaxy Clusters Pull Galaxy Clusters

Misc settings

 Unpublish Event Publish Without Email

[Create Sync Config](#)[List Servers](#)[New Servers](#)[List Communities](#)[List Cerebrates](#)

Servers

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Id	Name	Prio	Connection	Sync	Reset	Internal	Push	Pull	Push	Push	Pull	Cache	Unpublish	Publish	Url	Remote	Cert	Client	Self	Skip	Org	Actions
		test		user	API key				Sightings	Clusters	Clusters		Event (push Event)	Without Email (pull Event)		Organisation	File	Cert	Signed	Proxy		

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New Sharing Group

[General](#)[Organisations](#)[MISP Instances](#)[Summary and Save](#)**Name**

Example: Multinational sharing group

Releasable to

Example: Community1, Organisation1, Organisation2

Description

A description of the sharing group.

Make the sharing group selectable (active)

[Next page](#)

[My Profile](#)[My Settings](#)[Set Setting](#)[Dashboard](#)[List Organisations](#)[Role Permissions](#)[List Sharing Groups](#)[Add Sharing Group](#)[User Guide](#)[Terms & Conditions](#)[Statistics](#)

New Sharing Group

[General](#)[Organisations](#)[MISP Instances](#)[Summary and Save](#)[Add local organisation](#)[Add remote organisation](#)

Type

local ORGNAME

UUID

Extend Actions

[Previous page](#)[Next page](#)

[My Profile](#)[My Settings](#)[Set Setting](#)[Dashboard](#)[List Organisations](#)[Role Permissions](#)[List Sharing Groups](#)[Add Sharing Group](#)[User Guide](#)[Terms & Conditions](#)[Statistics](#)

New Sharing Group

[General](#)[Organisations](#)[MISP Instances](#)[Summary and Save](#)

- Enable roaming mode** for this sharing group (pass the event to any connected instance where the sync connection is tied to an organisation contained in the SG organisation list).

[Add instance](#)

Name	URL	All orgs	Actions
Local instance	http://localhost	<input checked="" type="checkbox"/>	

[Previous page](#)[Next page](#)

[Create Sync Config](#)[List Servers](#)[New Servers](#)[List Communities](#)[List Cerebrates](#)

Communities index

You can find a list of communities below that chose to advertise their existence to the general MISP user-base. Requesting access to any of those communities is of course no guarantee of being permitted to simplify the means of finding the various communities that one may be eligible for. Get in touch with the MISP project maintainers if you would like your community to be included in the list.

[« previous](#)[next »](#)[Vetted by the MISP-project team](#)[Unvetted](#)

Id	Vetted	Host org	Community name	Description
1			CIRCL Private Sector Information Sharing Community - aka MISPPRIV	CIRCL operates a fairly large MISP sharing community (more than 1100 international organizations are members) mainly targeting private organizations, companies, financial organizations or IT security companies. Computer Incident Response Center Luxembourg (CIRCL) operates this sharing community for the benefit of the security community at large.
2			CIRCL n/g CSIRT information sharing community - aka MISP	CIRCL operates an information sharing dedicated to national/governmental CSIRTs/CERTs with national responsibilities in the EEA (European Economic Area).
3			CIRCL financial information sharing community - aka Financial Sector MISP sharing groups	CIRCL operates an information sharing dedicated to the financial sector.
4			X-ISAC sharing community	X-ISAC (pronounced cross-ISAC) is the supporting Information Sharing and Analysis Center for other ISACs, information sharing communities or CSIRT networks which provides core software, cross-sector threat intelligence, taxonomies and open standards.
5			Danish MISP Community	The Danish MISP User group/Community operates as an information sharing dedicated to Danish organisations
6			Cognitive Security Collaborative	The Cognitive Security Collaborative operates as a sharing community dedicated to information operations.
7			COVID-19 MISP community	A community for tracking both health and cyber threat related information around COVID-19.
8			PISAX - pan-European Information Sharing and Analysis Center (ISAC) to IXP and GRXs	The Action's overall objective is to create a common pan-European information sharing and analysis center (ISAC) to facilitate the exchange of information between the pan-European Internet Exchange Points (IXPs) and Global Root eXchange Servers (GRXs).

[Create Sync Config](#)[List Servers](#)[New Servers](#)[List Communities](#)[Request Access](#)[View community](#)[List Cerebrates](#)

Community COVID-19 MISP community

Id	7
UUID	5e59659e-8e24-4e5d-b3fa-2ba744b7dd05
Name	COVID-19 MISP community
Url	https://covid-19.iglocska.eu
Host organisation	CIRCL (55f6e5ae-2c60-40e5-964f-47a8950d210f)
Vetted by MISP-project	Yes
Type	Open topical community
Description	A community for tracking both health and cyber threat related information around COVID-19.
Email	info@circl.lu
Sector	undefined
Nationality	International
GnuPG key	► Detalles

[Request Access](#)

Add User
List Users
Pending registrations
User settings
Set Setting
Contact Users

Add Organisation
List Organisations

Add Role
List Roles

Server Settings & Maintenance
Update Progress

Jobs

Scheduled Tasks

Event Block Rules

Blocklists Event

Manage Event Blocklists
Blocklists Organisation
Manage Org Blocklists

Server Settings & Maintenance

Overview MISP settings (46 ) Encryption settings (8 ) Proxy settings (5) Security settings (6 ) Plugin settings (89 ) Diagnostics Manage files  Workers 

Filter the table(s) below

Priority	Setting	Value	Description	Error Message
Critical	MISP.baseurl	http://localhost	The base url of the application (in the format https://www.mymispinstance.com or https://myserver.com/misp). Several features depend on this setting being correctly set to function.	The currently set baseurl does not match the URL through which you have accessed the page. Disregard this if you are accessing the page via an alternate URL (for example via IP address).
Critical	MISP.external_baseurl		The base url of the application (in the format https://www.mymispinstance.com) as visible externally/by other MISP's. MISP will encode this URL in sharing groups when including itself. If this value is not set, the baseurl is used as a fallback.	Value not set.
Critical	MISP.live	true	Unless set to true, the instance will only be accessible by site admins.	
Critical	MISP.language	eng	Select the language MISP should use. The default is english.	Value not set.
Critical	MISP.enable_advanced_correlations	false	Enable some performance heavy correlations (currently CIDR correlation)	
Critical	MISP.host_org_id	No organisation selected.	The hosting organisation of this instance. If this is not selected then replication instances cannot be added.	Value not set.
Critical	MISP.uuid	11146c43-acec-46a7-ba2d-5b5fc3712713	The MISP instance UUID. This UUID is used to identify this instance.	No valid UUID set
Critical	MISP.showorg	true	Setting this setting to 'false' will hide all organisation names / logos.	
Critical	MISP.osuser	www-data	The Unix user MISP (php) is running as	

List Logs

Search Logs

Logs

[« previous](#) [next »](#)

Emails Authentication issues MISP Update results Setting changes Warnings and errors x								
Id ↑	Email	Org	Created	Model	Model ID	Action	Title	Change
181	admin@admin.test	SYSTEM	2021-01-21 08:12:28	User	0	login_fail	Failed login attempt using username admin@admin.test from IP: 172.18.0.1.	
180	admin@admin.test	SYSTEM	2021-01-21 08:12:22	User	0	login_fail	Failed login attempt using username admin@admin.test from IP: 172.18.0.1.	
176	admin@grail.com	SYSTEM	2021-01-15 10:21:28	User	0	login_fail	Failed login attempt using username admin@grail.com from IP: 172.18.0.1.	
175	admin@grail.com	SYSTEM	2021-01-15 10:21:24	User	0	login_fail	Failed login attempt using username admin@grail.com from IP: 172.18.0.1.	
174	admin@grail.com	SYSTEM	2021-01-15 10:21:24	User	0	login_fail	Failed login attempt using username admin@grail.com from IP: 172.18.0.1.	
173	admin@test.com	SYSTEM	2021-01-15 10:20:42	User	0	login_fail	Failed login attempt using username admin@test.com from IP: 172.18.0.1.	
172	admin@grail.com	SYSTEM	2021-01-15 10:20:34	User	0	login_fail	Failed login attempt using username admin@grail.com from IP: 172.18.0.1.	

Page 1 of 1, showing 7 records out of 7 total, starting on record 1, ending on 7

[« previous](#) [next »](#)

Integració MISP a TheHive

```
## Enable the MISP module (import and export)
play.modules.enabled += connectors.misp.MispConnector

misp {
    "MISP-SERVER-ID" {
        # URL of the MISP instance.
        url = "<The_URL_of_the_MISP_Server_goes_here>"

        # Authentication key.
        key = "<the_auth_key_goes_here>"

        # Name of the case template created in TheHive that shall be used to import
        # MISP events as cases by default.
        caseTemplate = "<Template_Name_goes_here>"

        # Tags to add to each observable imported from an event available on
        # this instance.
        tags = ["misp-server-id"]

        # Truststore to use to validate the X.509 certificate of the MISP
        # instance if the default truststore is not sufficient.
        #ws.ssl.trustManager.stores = [
        #{
        #    type: "JKS"
        #    path: "/path/to/truststore.jks"
        #}
        #]

        # HTTP client configuration, more details in section 8
        # ws {
        #     proxy {}
        #     ssl {}
        # }

        # filters:
        max-attributes = 1000
    }
}
```

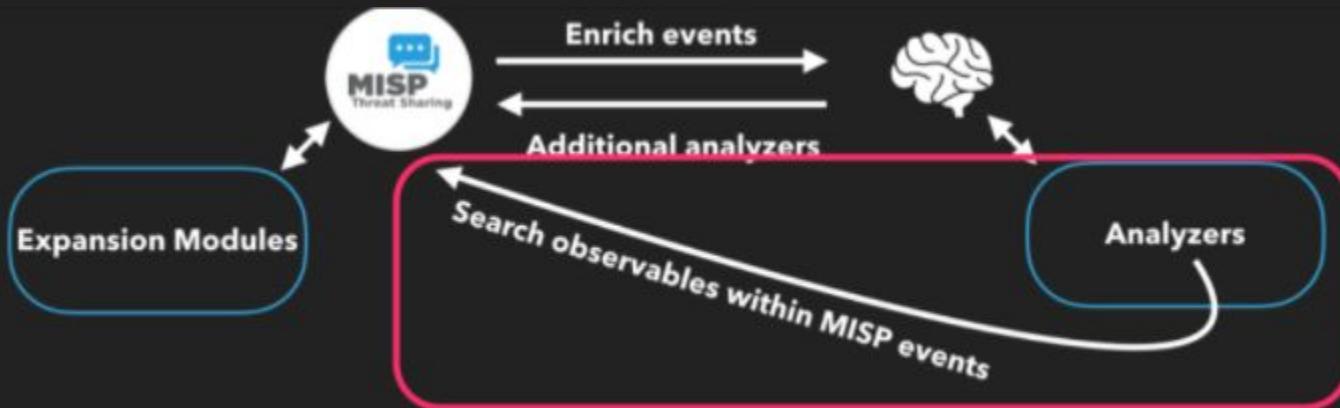
Mòduls d'expansió MISP

Cortex també pot invocar mòduls d'expansió MISP. MISP els fa servir normalment per enriquir els atributs dins dels esdeveniments, però Cortex també pot aprofitar-los per analitzar observables.



Analitzador especial de MISP

Gràcies a ell, Cortex pot cercar observables dins d'una instància de MISP.



Analitzador MISP

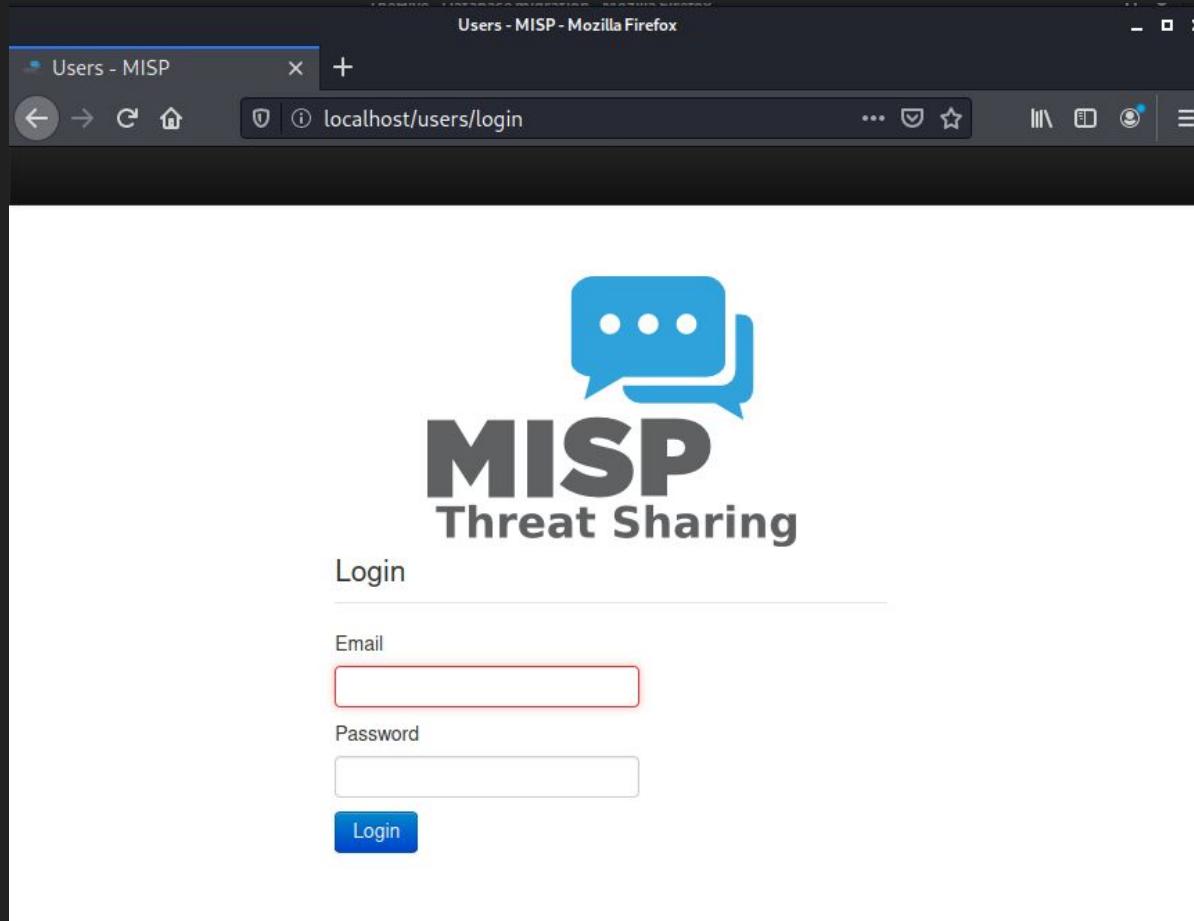
Organization: **grail**

Users Analyzers Config Analyzers Responders Config Responders

Available analyzers (164) Refresh analyzers

misp

Analyzer	Max TLP	Max PAP	Rate Limit	Cache	
MISPWarningLists_2_0					
MISPWarningLists_2_0	Version: 2.0	Author: Nils Kuhnert, CERT-Bund	License: AGPL-V3	Type: Docker	+ Enable
	Check IoCs/Observables against MISP Warninglists to filter false positives.				
MISP_2_1					
MISP_2_1	Version: 2.1	Author: Nils Kuhnert, CERT-Bund	License: AGPL-V3	Type: Docker	+ Enable
	Query multiple MISP instances for events containing an observable.				



The screenshot shows a user interface for changing a password. At the top, there is a navigation bar with links: Home, Event Actions, Galaxies, Input Filters, Global Actions, Sync Actions, Administration, and Audit. Below the navigation bar, on the left, is a sidebar menu with the following items: Edit My Profile (disabled), Change Password (selected), My Profile, My Settings, Set Setting, Dashboard, and List Organisations. The main content area is titled "Change Password". It contains two input fields: "Password" and "Confirm Password", each with a small info icon (i) next to it. Below these fields is a blue "Submit" button.

Home Event Actions Galaxies Input Filters Global Actions Sync Actions Administration Audit

Edit My Profile

Change Password

My Profile

My Settings

Set Setting

Dashboard

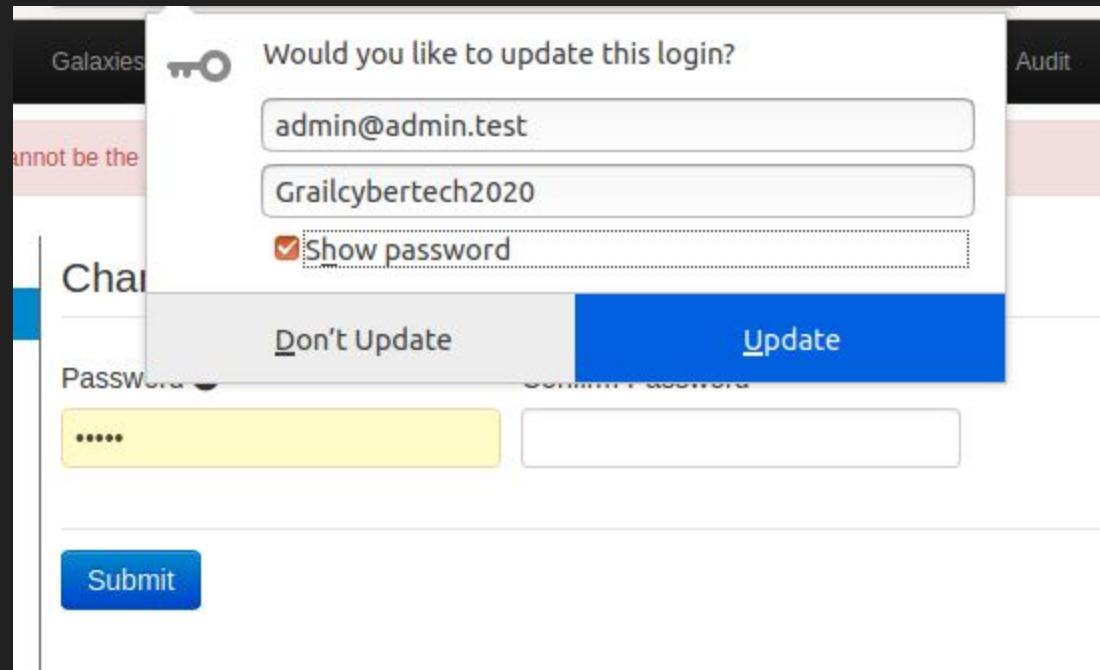
List Organisations

Change Password

Password i

Confirm Password

Submit



localhost/users/v1 Recommendation

Home Event Actions Galaxies Input Filters Global Actions Sync Actions Administration Audit

Password Changed.

Edit My Profile Change Password

My Profile

- My Settings
- Set Setting
- Dashboard
- List Organisations
- Role Permissions
- List Sharing Groups
- Add Sharing Group

User Guide Terms & Conditions Statistics

User admin@admin.test

ID	1
Email	admin@admin.test
Organisation	ORGNAME
Role	admin
Event alert enabled	No
Contact alert enabled	No
Auth key	Q17Mi6bQ1X0vjoKV3bVIP8xCH5F5W0vs46jshnpJ  
Invited By	N/A
NIDS Start SID	4000000
PGP key	N/A
Created	N/A

Download user profile for data portability

Auth keys 

Events 



Enable analyzer MISP_2_1

Base details

Name MISP_2_1

Configuration

name

1.

Apply defaults

Add option



Name of MISP servers

url *

1. localhost

Add option



URL of MISP servers

key *

1.

Add option



API key for each server

cert_check *

True False

Verify server certificate

cert_path

1.

Add option



Path to the CA on the system used to check server certificate

Options

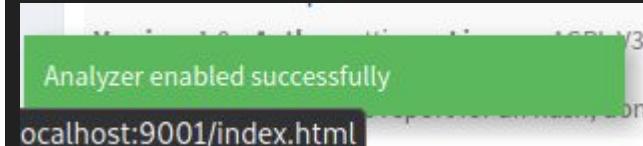
Apply defaults

Enable TLP check

True False

Max TLP

AMBER



Prova d'enviament d'esdeveniments de MISP a TheHive

Donat que se tracta d'una relació bidireccional, també podem crear esdeveniments en **MISP** i enviar-los a **TheHive**. Desde **MISP** es crea un nou esdeveniment amb alguns atributs. Està marcat el domini “.ru” amb aspecte poc fiable com per Intrustion Detection System (IDS) y un altre atribut sense aquesta configuració.

Per enviar això a **TheHive**, ha de seleccionar “**Publish Event**” (no email) al tauler de l'esquerra i seleccionar “**Yes**” cuando se li demani.

[View Event](#)

[View Correlation Graph](#)

[View Event History](#)

[Edit Event](#)

[Delete Event](#)

[Add Attribute](#)

[Add Object](#)

[Add Attachment](#)

[Populate from...](#)

[Enrich Event](#)

[Merge attributes from...](#)

[Publish Event](#)

[Publish \(no email\)](#)

[Publish event to ZMQ](#)

[Contact Reporter](#)

[Download as...](#)

[List Events](#)

[Add Event](#)

Test event to TheHive

Event ID	2
UUID	5d8d5ca7-e5d8-4853-a301-077dc0a8019
Creator org	ORGNAME
Owner org	ORGNAME
Email	admin@admin.test!
Tags	[+]
Date	2019-09-27
Threat Level	Undefined
Analysis	Initial
Distribution	This community only
Info	Test event to TheHive
Published	No
Attributes	2 (0 Object)
First recorded change	2019-09-27 02:00:32
Last change	2019-09-27 02:00:32
Modification map	
Sightings	0 (0) - restricted to own organization only.

[Pivots](#) [Galaxy](#) [Event graph](#) [Correlation graph](#) [ATT&CK matrix](#) [Attributes](#) [Discussion](#)

x 2 Test.e.

Galaxies

[Add](#)

[« previous](#) [next »](#) [View all](#)

[+](#) [☰](#) [≡](#) [✖](#)

<input type="checkbox"/> Date	<input type="checkbox"/> Org	<input type="checkbox"/> Category	<input type="checkbox"/> Type	<input type="checkbox"/> Value	<input type="checkbox"/> Tags	<input type="checkbox"/> Galaxies	<input type="checkbox"/> Comment	<input type="checkbox"/> Correlate	<input type="checkbox"/> Related Events	<input type="checkbox"/> Feed hits	<input type="checkbox"/> ID\$	<input type="checkbox"/> Distribution	<input type="checkbox"/> Sightings	<input type="checkbox"/> Activity	<input type="checkbox"/> Actions
<input type="checkbox"/> 2019-09-27		Network activity	domain	facebook.com	[+]	Add		<input checked="" type="checkbox"/>			<input type="checkbox"/>	Inherit			
<input type="checkbox"/> 2019-09-27		Network activity	domain	retire2012.ru	[+]	Add		<input checked="" type="checkbox"/>			<input type="checkbox"/>	Inherit			

[« previous](#) [next »](#) [View all](#)

En arribar, estarà sota **Alerts**. Des d'aquí pot importar l'alerta, ignorar l'alerta o marcar-la com llegida.

The screenshot shows the TheHive web interface. At the top, there is a dark header bar with the following navigation items: 'TheHive' logo, 'New Case', 'My tasks (0)', 'Waiting tasks (0)', 'Alerts (1)', 'Dashboards', 'Search', and 'Admin' dropdown. The 'Alerts' item has a red badge with the number '1'. On the right side of the header, there are search, filter, and stats buttons, along with a user profile icon for 'admin'.

The main content area is titled 'List of alerts (1 of 2)'. It features a table with the following columns: Reference, Type, Status, Title, Source, Severity, Attributes, Date, and several small icons for actions like import, ignore, and settings. There are also buttons for 'Quick Filters' and 'Sort by'. Below the table, it says '1 filter(s) applied: Status: New, Updated' with a clear filters button. The table data is as follows:

Reference	Type	Status	Title	Source	Severity	Attributes	Date	Actions
#2	misp	New	#2 Test event to TheHive srcORGNAME	MISP-SERVER	Info	2	Fri, Sep 27th, 2019 12:00 +10:00	

Analysis

[Run all](#)

Analyzer	Last analysis	Actions
Abuse_Finder_3_0	Tue, Jan 19th, 2021 11:33 +01:00 (cortex1)	
MISP_2_1	None	

La mateixa recerca realitzada des TheHive: *informe extens*

[Report](#) for MISP_Search_1_1 analysis of Mon, Jun 19th, 2017 8:16 -04:00 [Show Raw Report](#)

Detailed Information

OSINT - OSX Malware is Catching Up, and it wants to Read Your HTTPS Traffic

Event ID 545

UUID 5902f92f-c7f4-4bac-97b5-4fa6950d210f

Publish Date Fri, Apr 28th, 2017 11:15 -04:00

Tags tip:white osint:source-type="blog-post" ms-caro-malware:malware-platform="MacOS_X"

Mini informe

The screenshot shows a MISP case page with the following details:

- Case #29 - [MISP] #645 OSINT - OSX Malware is Catching Up, and it wants to Read Your HTTPS Traffic**
- Created by Antoine Steganus** on **Fri, Apr 28th, 2017 4:18 -04:00**
- Actions:** Close, Flag, Merge
- Navigation:** Summary, Tasks (5), Observables (14)
- Hash:** e8bdde90574d5bf285d9abb0c
- Result:** [HASH]: e8bdde90574d5bf285d9abb0c8a113a8
- Scans:** VT:Score= 28/57 Scans(57)
- MISP:** 1 record(s)

La versió actual de l'analitzador de recerca de MISP només pot buscar dins d'una única instància de MISP, però en un futur proper pot admetre diverses.

Quan es troba un observable en un esdeveniment, Cortex tornarà el nombre de registres trobats (és a dir, el nombre d'esdeveniments on s'ha trobat l'observable) i una llista d'enllaços a aquests actes amb dades addicionals.

(Recerca d'un hash amb l'analitzador de cerca MISP des de la interfície d'usuari web de Cortex.)

The screenshot shows two panels from the Cortex interface. The left panel, titled 'Job details', displays information for a search job named 'MISP_Search_1_1'. It includes fields for 'Artifact' (a hash value), 'Date' (a few seconds ago), and 'Status' (Success). The right panel, titled 'Job report', shows a JSON object representing the search results. The JSON structure includes 'artifacts' and 'full' sections. The 'artifacts' section contains one item with a URL and a data type of 'url'. The 'full' section contains one event, which is detailed with various attributes such as orgc_id, id, threat_level_id, uuid, orgc, tags, and sharing_group_id.

```
[{"artifacts": [{"data": "http://172.16.17.32/events/view/645", "attributes": {"dataType": "url"}}], "full": [{"events": [{"orgc_id": "2", "id": "645", "threat_level_id": "3", "uuid": "5902f92f-c7f4-4bac-97b5-4fa6950d210f", "Orgc": {"uuid": "55f6ea5e-2c60-40e5-964f-47a8950d210f", "id": "2", "name": "CIRCL"}, "tags": [{"tlp": "white", "osint:source-type": "\\"blog-post\\\"", "ms-caro-malware-platform": "\\"MacOS_X\\\""}, {"sharing_group_id": "0", "timestamp": "1493367513", "date": "2017-04-28"}]}]}]
```



https://localhost/users/login



MISP

Threat Sharing

Login

Email

dani.perez.grail@gmail.com

Password

Login

Enviar events de TheHive a MISP

Case # 4 - Test integration with MISP

Created by admin Fri, Sep 27th, 2019 9:07 +10:00

Close Flag Merge Remove Share (0) Responders

Details Tasks Observables hitnrun[.]com[.]my

Action Add observable(s)

Stats Filters 15 per page

Observable List (2 of 2)

Type	Value/Filename	Date Added	Actions
domain	google[.]com	09/27/19 10:57	
domain	hitnrun[.]com[.]my	09/27/19 10:56	

Enviant el cas a MISP



MISP Export

You are about to export the case **Test integration with MISP** to one of the following MISP servers:

OK

MISP-SERVER

Export

Cancel

Si s'inicia sessió en la interfície de **MISP**, verà que aquest esdeveniment ha funcionat correctament. També notarà que només els esdeveniments que estan etiquetats com IOC apareixen.

The screenshot shows the MISP web interface. At the top, there is a navigation bar with links for Home, Event Actions, Galaxies, Input Filters, Global Actions, Sync Actions, Administration, and Audit. On the right side of the header, it says "MISP Admin" and "Logout".

The main content area has a title "Test integration with MISP". On the left, there is a sidebar with various actions: View Event, View Correlation Graph, View Event History, Edit Event, Delete Event, Add Attribute, Add Object, Add Attachment, Add Attachment, Populate from..., Enrich Event, Merge attributes from..., Propose Attribute, Propose Attachment, Publish Event, Publish (no email), Publish event to ZIMB, Contact Reporter, Download as..., List Events, and Add Event.

The main form contains the following fields:

- Event ID: 1
- UUID: 5d8d954a-8d78-423f-a720-077e0a031f9
- Creator org: agood cloud
- Owner org: agood cloud
- Email: misp@agood.cloud
- Tags: [empty]
- Date: 2019-09-26
- Threat Level: Medium
- Analysis: Initial
- Distribution: Your organisation only
- Info: Test integration with MISP
- Published: No
- #Attributes: 1 (0 Object)
- First recorded change: 2019-09-27 01:00:58
- Last change: 2019-09-27 01:00:58
- Modification map: [graph icon]
- Sightings: 0 (0) - restricted to own organisation only

Below the event details, there is a "Galaxies" section with a "Add" button and a "Scope toggle" dropdown. It also includes "previous", "next", and "view all" buttons.

At the bottom, there is a table view of attributes:

+	Date	Org	Category	Type	Value	Tags	Galaxies	Comment	Correlate	Related Events	Feed hits	IDS	Distribution	Sightings	Activity	Actions	
[edit]	2019-09-27		Network activity	domain	httrun.com.my	[empty]	[Add]		[checkbox]			[checkbox]	Inherit	[checkbox]	[checkbox]	[checkbox]	[checkbox]

At the very bottom, there are "previous", "next", and "view all" buttons.

Exemple cas individual

TheHive

localhost:9000/index.html#!/case/Az2cBXcBUMaK36Ar7_r9/observables

TheHive

New Case My tasks 0 Waiting tasks 0 Alerts 0 Dashboards Search

Case # 1 - google

Created by admin Fri, Jan 15th, 2021 11:35 +01:00

Close Unflag Merge Remove | Responders

Details Tasks 0 Observables 2 grailsecuritysystems[.]co

Action Add observable(s) 1 observable(s) selected Stats Filters 15 per page

Export

Change sighted flag
Change IOC flag
Change TLP
Add tag
Run analyzers

Delete

Value/Filename	Date Added	Actions
grailsecuritysystems[.]com	01/19/21 11:29	
domain		
No reports available		
google[.]com	01/15/21 11:35	
domain		
No reports available		

TheHive

localhost:9000/index.html#!/case/Az2cBXcBUMaK36Ar7_r9/observables/420bc6a396e5

TheHive + New Case My tasks 0 Waiting tasks 0 Alerts 0 Dashboards Search

M Case # 1 - google

Created by admin Fri, Jan 15th, 2021 11:35 +01:00 Close Unflag Merge Remove Responders

Details Tasks Observables 2 grailsecuritysystems[.]com No responders available

[DOMAIN]: grailsecuritysystems[.]com

Metadata Responder Links

TLP TLP:AMBER Observable seen in 0 other case(s)

Date added Tue, Jan 19th, 2021 11:29 +01:00

Is IOC

Has been sighted

Tags domain

Description Domain name arcaic de l'empresa.

Analysis Run all

Analyzer	Last analysis	Actions
Abuse_Finder_3_0	None	
MISP_2_1	None	

Analysis

[Run all](#)

Analyzer

Last analysis

Actions

Abuse_Finder_3_0



Tue, Jan 19th, 2021 11:33 +01:00 (cortex1)



MISP_2_1

None



Analyzer Abuse_Finder_3_0 has been
successfully started for observable:
grailsecuritysystems.com

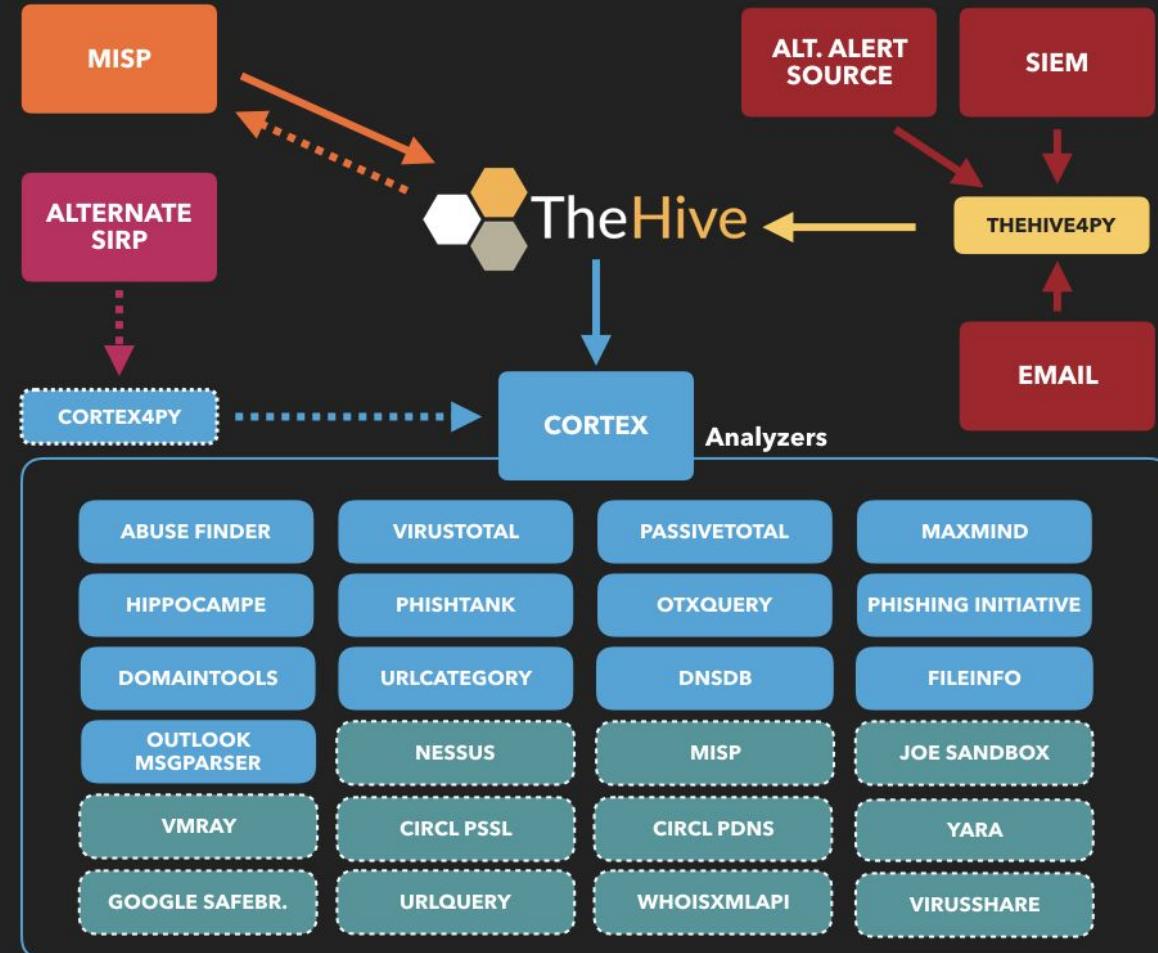
Analyzer	Last analysis	Actions
Abuse_Finder_3_0	✓ Tue, Jan 19th, 2021 11:33 +01:00 (cortex1)	
MISP_2_1	None	

[Report](#) for Abuse_Finder_3_0 analysis of Tue, Jan 19th, 2021 11:33 +01:00

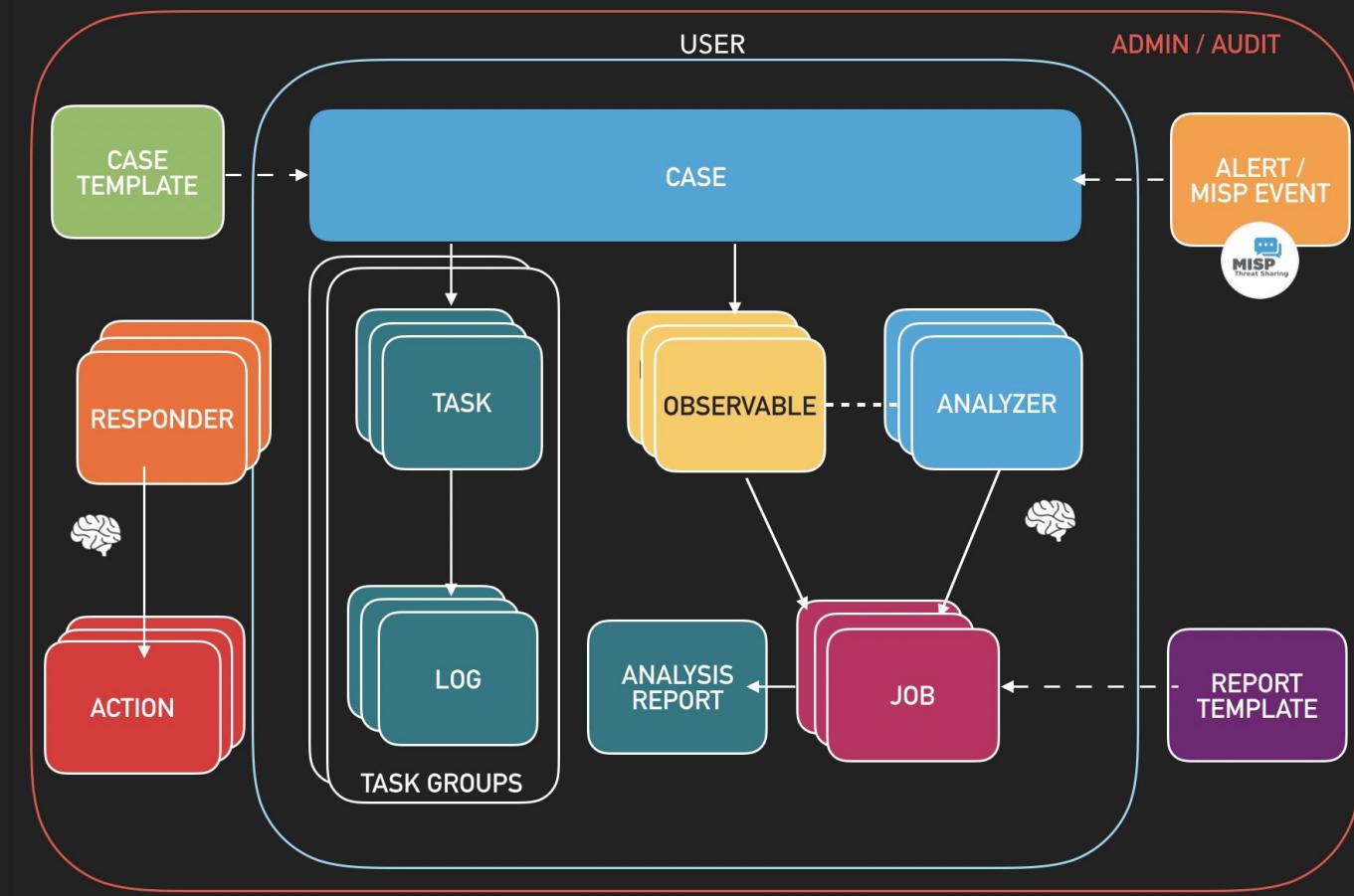
[Show Raw Report](#) | [Show observables \(0\)](#)

grailsecuritysystems[.]com

```
{  
  "abuse_finder": {  
    "value": "grailsecuritysystems.com",  
    "names": [],  
    "abuse": [],  
    "raw": "No match for \"GRAILSECURITYSYSTEMS.COM\".\r\n>>> Last update of whois database: 2021-01-19"  
  }  
}
```



Flux de treball



ElastAlert

És una solució per transportar les dades que s'indexen a **ES** per enviar-les arràn d'un mòdul de Python a **TheHive** per generar alertes pels analistes.

Obteniu la plantilla aquí o simplement creeu el vostre propi config.yaml i copieu només la configuració *necessària a continuació*.

Deseu-ho com a ~elastalert/config.yaml.

```
rules_folder: /home/username/elastalert/rules
run_every:
    minutes: 1
buffer_time:
    minutes: 15
es_host: x.x.x.x
es_port: 9200
use_ssl: False
writeback_index: elastalert_status
alert_time_limit:
    days: 2
```

```
nano ~/elastalert/rules/failed_ssh_login.yaml
```

```
es_host: x.x.x.x
es_port: 9200
name: SSH Failed Login
type: frequency
index: wazuh-alerts-3.x-*
num_events: 2
timeframe:
    hours: 1
filter:
- term:
    rule.id: "5710"
alert: hivealerter
hive_connection:
    hive_host: http://x.x.x.x
    hive_port: 9000
    hive_apikey: <Paste API key for elastalert user here>

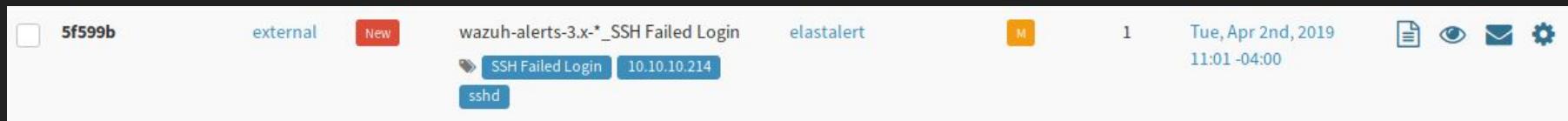
hive_alert_config:
    type: 'external'
    source: 'elastalert'
    description: '{rule[name]}'
    severity: 2
    tags: ['{rule[name]}', '{match[agent][ip]}', '{match[predecoder][program_name]}']
    tip: 3
    status: 'New'
    follow: True

hive_observable_data_mapping:
    - ip: "{match[src_ip]}"
```

Hauríeu de veure les alertes que apareixen a Kibana i ElastAlert les hauria de recollir la propera vegada que s'executi.

```
INFO:elastalert:Ran SSH Failed Login from 2019-03-31 18:21 UTC to 2019-04-02  
15:01 UTC: 3 query hits (0 already seen), 1 matches, 1 alerts sent
```

Això farà que es generi una nova alerta a TheHive a "Alertes".



Alert Preview New

M wazuh-alerts-3.x-* _SSH Failed Login

+ ID: 1a4eba6b1bdd4cfedb3dc5cac073912b 🕒 Date: Tue, Apr 2nd, 2019 11:01 -04:00 ✖ Type: external |||| Reference: 5f599b ⌚ Source: elastalert

🔗 SSH Failed Login 10.10.10.214 sshd

Description

SSH Failed Login Sample description

Additional fields

No additional information have been specified

Observables (1)

All (1) ip (1)

Type	Data
🔗 ip	10[.]10[.]10[.]25

Similar cases (1)

All (1) Open (1)

Title	Date	Observables	IOCs	Action
#6 - wazuh-alerts-3.x-* _SSH Failed Login 🔗 SSH Failed Login 10.10.10.214 sshd	03/31/19 14:01	100% (1 / 1)	N/A	Merge in this case

Cancel

✉️ Mark as read

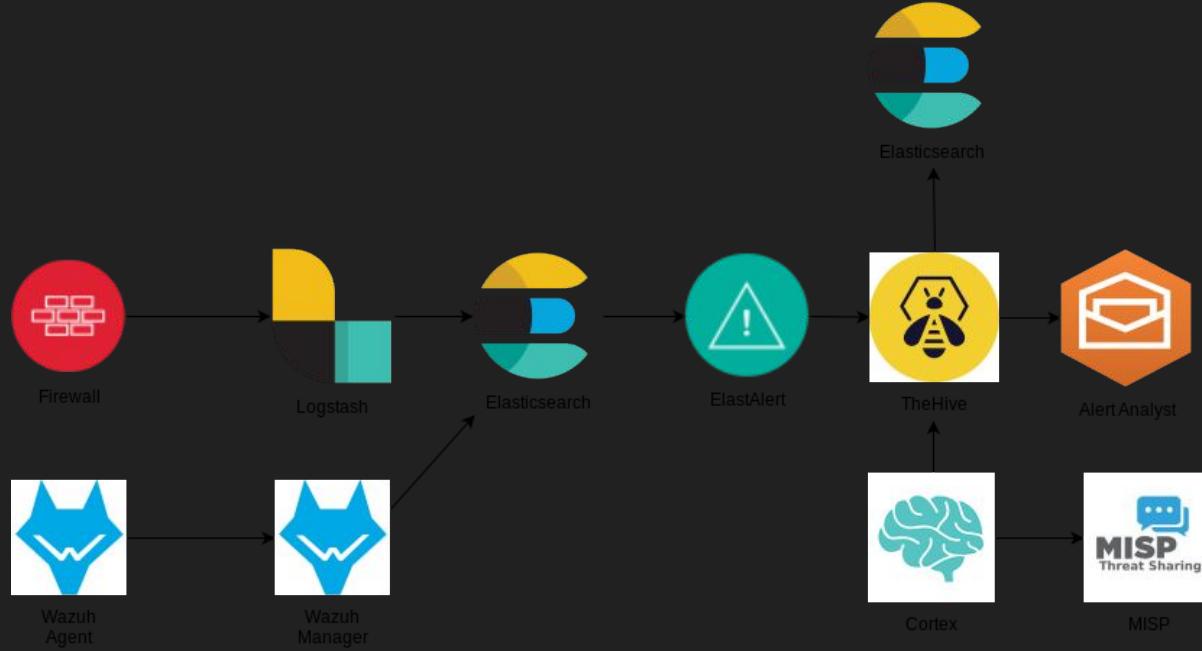
👁️ Ignore new updates

✖️ Merge into case

Import alert as

SSHD Related

Yes, Import



← → 🔍 10.200.0.14/#/home

Incognito (2)

Home Modules Theme ⋮

SIEMonster

Community Edition

Version 4.4 **FULLY LOADED**



Alerts



Dashboards



Analyzers



Threat Modelling



Incident Response



Audit Discovery



Flow Processors



Threat Intel



Reporting



SOAR



Date	Title	Source
Nov 13, 2019, 9:36:56 AM	Disruptive SIEM Solution Provider SIEMonster Launches Version 4.0 Fully Loaded	SIEMonster

Bibliografia

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Conclusions

