

DATA MINING TOR, SOCIAL NETWORKS, OSINT WITH AIL PROJECT

E.102

CIRCL COMPUTER INCIDENT RESPONSE CENTER LUXEMBOURG

MISP PROJECT

<https://www.misp-project.org/>

OCTOBER 27, 2022 - VO.7

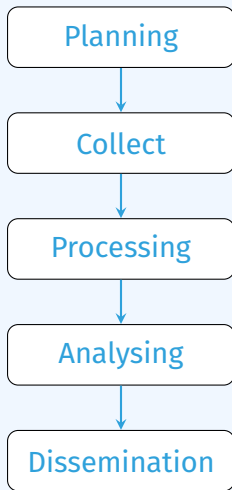


INTRODUCTION

- **Deep Web** is the part of World Wide Web not indexed or directly accessible by standard web search-engines;
- This can be content hidden from **crawlers** by requiring a specific access and this can includes private social media, password-protected forums or content protected by different measures such as paywalls or specific security interface to access the information;
- A large portion of content accessible via Internet is part of the deep web¹.

¹also called invisible web, hidden web or non-indexed web

- **Darknet** is an overlay network running on top of Internet requiring specific software to access the network and its services;
- Tor, I2P and Freenet are the most commonly used ones. Many are used for hidden services access and some for proxy access to the Internet;
- There are **legitimate use-cases** for such network but also many **illegal or criminal usage**.



COLLECTING, PROCESSING AND ANALYSING CONTENT - WEB PAGES

- Building a search engine on the web is a challenging task because:
 - ▶ it has to crawl webpages,
 - ▶ it has to make sense of **unstructured data**,
 - ▶ it has to **index** these data,
 - ▶ it has to provide a way to retrieve data and structure data (e.g. correlation).
- Doing so on Tor is even more challenging because:
 - ▶ services don't always want to be found,
 - ▶ parts of the dataset have to be discarded.
- in each case, it requires a lot of bandwidth, storage and computing power.

COLLECTING, PROCESSING AND ANALYSING CONTENT - STRUCTURED DATA

- Some data are structured and are easy to process:
 - ▶ metadata!
 - ▶ API responses.
- Some even provide cryptographic evidences:
 - ▶ authentication mechanisms between peers,
 - ▶ OpenPGP can leak a lot of metadata
 - key ids,
 - subject of email in thunderbird,
 - ▶ Bitcoin's Blockchain is public,
 - ▶ pivoting on these data with external sources yields interesting results.

AIL DESIGN OBJECTIVES

OBJECTIVES OF THE SESSION

- Show how to use and extend an open source tool to monitor web pages, pastes, forums and hidden services
- Explain challenges and the design of the AIL open source framework
- Review different **collection mechanisms** and **sources**
- Learn how to create new modules
- Learn how to use, install and start AIL
- **Supporting investigation using the AIL framework** and including it in cyber threat intelligence lifecycle

AIL FRAMEWORK

FROM A REQUIREMENT TO A SOLUTION: AIL FRAMEWORK

History:

- AIL initially started as an **internship project** (2014) to evaluate the feasibility to automate the analysis of (un)structured information to find leaks.
- In 2019, AIL framework is an **open source software** in Python. The software is actively used (and maintained) by CIRCL and many organisations.
- In 2020, AIL framework is now a complete project called **ail project**².

²<https://github.com/ail-project/>

CAPABILITIES OVERVIEW

- **Check** if mail/password/other sensitive information (terms tracked) leaked
- **Detect** reconnaissance of your infrastructure
- **Search** for leaks inside an archive
- **Monitor** and crawl websites

- Proactive investigation: leaks detection
 - ▶ List of emails and passwords
 - ▶ Leaked database
 - ▶ AWS Keys
 - ▶ Credit-cards
 - ▶ PGP private keys
 - ▶ Certificate private keys
- Feed Passive DNS or any passive collection system
- CVE and PoC of vulnerabilities most used by attackers

SUPPORT CERT/CSIRTS AND LAW ENFORCEMENT ACTIVITIES

- Website monitoring
 - ▶ monitor booters
 - ▶ Detect encoded exploits (WebShell, malware encoded in Base64...)
 - ▶ SQL injections
- Automatic and manual submission to threat sharing and incident response platforms
 - ▶ MISP
 - ▶ TheHive
- Term/Regex/Yara monitoring for local companies/government

- Example: <https://gist.github.com/>
 - ▶ Easily storing and sharing text online
 - ▶ Used by programmers and legitimate users
 - Source code & information about configurations

- Example: <https://gist.github.com/>
 - ▶ Easily storing and sharing text online
 - ▶ Used by programmers and legitimate users
 - Source code & information about configurations
- Abused by attackers to store:
 - ▶ List of vulnerable/compromised sites
 - ▶ Software vulnerabilities (e.g. exploits)
 - ▶ Database dumps
 - User data
 - Credentials
 - Credit card details
 - ▶ More and more ...

WHY SO MANY LEAKS?

- Economical interests (e.g. Adversaries promoting services)
- Ransom model (e.g. To publicly pressure the victims)
- Political motives (e.g. Adversaries showing off)
- Collaboration (e.g. Criminals need to collaborate)
- Operational infrastructure (e.g. malware exfiltrating information on a pastie website)
- Mistakes and errors

Yes!

and we have to deal with this as a CSIRT.

- **Contacting companies or organisations** who did specific accidental leaks
- **Discussing with media** about specific case of leaks and how to make it more practical/factual for everyone
- Evaluating the economical market for cyber criminals (e.g. DDoS booters³ or reselling personal information - reality versus media coverage)
- Analysing collateral effects of malware, software vulnerabilities or exfiltration

→ And it's important to detect them automatically.

³<https://github.com/D4-project/>

■ Monitored paste sites: 27

- ▶ *gist.github.com*
- ▶ *ideone.com*
- ▶ ...

	2016	2017	08.2018
Collected pastes	18,565,124	19,145,300	11,591,987
Incidents	244	266	208

Table: Pastes collected and incident⁴ raised by CIRCL

⁴<http://www.circl.lu/pub/tr-46>

CURRENT CAPABILITIES

- Extending AIL to add a new **analysis module** can be done in 50 lines of Python
- The framework **supports multi-processors/cores by default.** Any analysis module can be started multiple times to support faster processing during peak times or bulk import
- **Multiple** concurrent **data input**
- Tor Crawler (handle cookies authentication)

- Extracting **credit cards numbers, credentials, phone numbers, ...**
- Extracting and validating potential **hostnames**
- Keeps track of **duplicates**
- Submission to threat sharing and incident response platform (**MISP** and **TheHive**)
- **Full-text indexer** to index unstructured information
- **Tagging** for classification and searches
- Terms, sets, regex and YARA **tracking and occurrences**
- Archives, files and raw **submission** from the UI
- PGP, Cryptocurrency, Decoded (Base64, ...) and username Correlation
- And many more

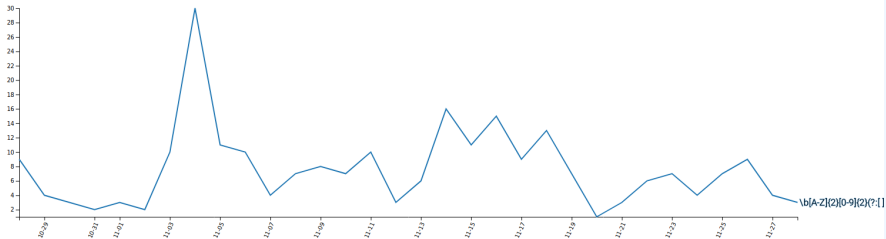
- Search and monitor specific keywords/patterns
 - ▶ Automatic Tagging
 - ▶ Email Notifications
- Track Term
 - ▶ ddos
- Track Set
 - ▶ booter,ddos,stresser;2
- Track Regex
 - ▶ circl\.lu
- YARA rules
 - ▶ <https://github.com/ail-project/ail-yara-rules>

TERMS TRACKER

82a87a6a-88f1-4ab1-ba53-1bf15211b4b8



Type	Tracker	Date added	Level	Created by	First seen	Last seen	Tags	Email
regex	<code>\b[A-Z]{2}[0-9]{2}(?:[]?[0-9]{4}){4}(?:[?][]?[0-9]{3}){?}[]?[0-9]{1,2})?b</code>	2019/09/12	1	admin@admin.test	2018/08/31	2019/11/28		

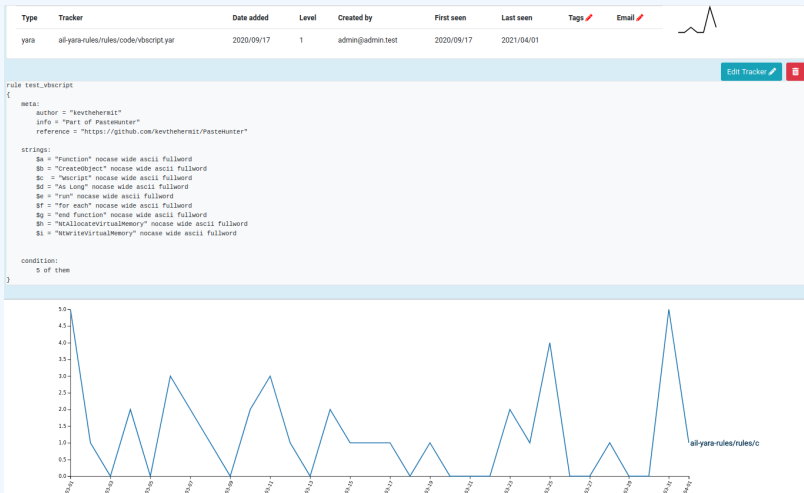


yyyy-mm-dd


yyyy-mm-dd


Search Tracked Items


YARA TRACKER





■ Create and test your own tracker


 Tags (optional, space separated)

 E-Mails Notification (optional, space separated)

 Tracker Description (optional)

  Show tracker to all Users

– Select a tracker type – ▾

 Add Tracker

- **Attacker also share informations**
- Recon tools detected: 94
 - ▶ sqlmap
 - ▶ dnscan
 - ▶ whois
 - ▶ msfconsole (metasploit)
 - ▶ dnmap
 - ▶ nmap
 - ▶ ...









RECON AND INTELLIGENCE GATHERING TOOLS

```
#####
=====
Hostname      www.pabloquintanilla.cl      ISP      Wix.com Ltd.
Continent     North America                Flag
US
Country       United States                Country Code  US
Region        Unknown                      Local time   19 Nov 2019 07:59 CST
City          Unknown                      Postal Code   Unknown
IP Address    185.230.60.195              Latitude     37.751
                                           Longitude   -97.822
=====
#####
> www.pabloquintanilla.cl
Server:       38.132.106.139
Address:      38.132.106.139#53

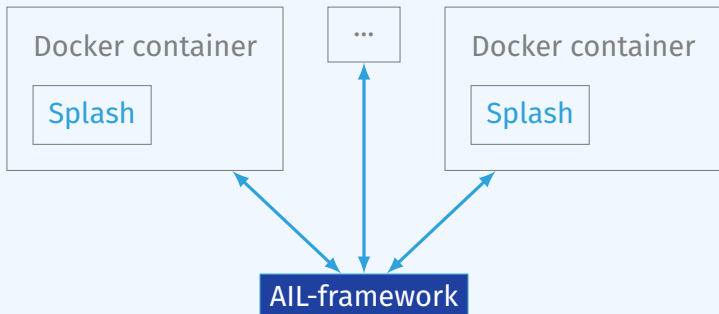
Non-authoritative answer:
www.pabloquintanilla.cl canonical name = www192.wixdns.net.
www192.wixdns.net      canonical name = balancer.wixdns.net.
Name: balancer.wixdns.net
Address: 185.230.60.211
>
#####
Domain name: pabloquintanilla.cl
Registrant name: SERGIO TORO
Registrant organisation:
Registrar name: NIC Chile
Registrar URL: https://www.nic.cl
Creation date: 2018-11-21 14:34:34 CLST
```

- Search for encoded strings
 - ▶ Base64
 - ▶ Hexadecimal
 - ▶ Binary
- Guess Mime-type
- Correlate paste with decoded items

DECODER:

estimated type	hash	first seen	last seen	nb item	size	Virus Total	Sparkline
application/x-dosexec	c11c2be8d9ba4e86c8effaa411aa6b867ba75abe	2019/11/28	2019/11/28	1	191	Send this file to VT 	
application/x-dosexec	a50cba731204eccc193b40178399a250b5ce6f67	2019/11/28	2019/11/28	1	32768	Send this file to VT 	
application/x-dosexec	cc5f2f0da71f443ec12ae1b3cb6ab8bad80f22c4	2019/11/28	2019/11/28	1	203	Send this file to VT 	
application/x-dosexec	eed67e8fa9cb9a43fea21ae653983a8e0a174f63	2019/11/26	2019/11/28	6	83	Send this file to VT 	

- Crawlers are used to navigate on regular website as well as .onion addresses (via automatic extraction of urls or manual submission)
- Splash ("scriptable" browser) is rendering the pages (including javascript) and produce screenshots (HAR archive too)



How a domain is crawled by default

1. Fetch the first url
2. Render javascript (webkit browser)
3. Extract all urls
4. Filter url: keep all url of this domain
5. crawl next url (max depth = 1)

CRAWLER: COOKIEJAR

Use your cookies to login and bypass captcha

Edit Cookiejar

Description	Date	UUID	User
3thxemke2x7hcibu.onion	2020/03/31	90674deb-38fb-4eba-a661-18899ccb3841	admin@admin.test

Edit Description Add Cookies

```
{
  "domain": ".3thxemke2x7hcibu.onion",
  "name": "mybb[lastactive]",
  "path": "/forum/",
  "value": "1583829465"
}
```

```
{
  "domain": ".3thxemke2x7hcibu.onion",
  "name": "loginattempts",
  "path": "/forum/",
  "value": "1"
}
```

```
{
  "domain": ".3thxemke2x7hcibu.onion",
  "name": "sid",
  "path": "/forum/",
  "value": "047ab0cd97ff5bcc77edb6a"
}
```

```
{
  "name": "remember_token",
  "value": "12158cddd1511d74d341f23"
}
```

```
{
  "domain": ".3thxemke2x7hcibu.onion",
  "name": "mybb[announcements]",
  "path": "/forum/",
  "value": "0"
}
```

CRAWLER: COOKIEJAR

3thxemke2x7hcibu.onion :



First Seen Last Check Ports

2020/03/09 2020/03/30 [80]

infoleak:automatic-detection="onion"

infoleak:automatic-detection="base64"



manual

Show Domain Correlations 139

Add to MISP Export

Decoded 1

Screenshot 138

Crawled Items

Date: 2020/03/23 - 13:10:40 PORT: 80

Show 10 entries

Search:

Crawled Pastes

Hide Full resolution

Shere Khan

Welcome back, zutopori! You last visited: 03-20-2020, 01:35 PM Log Out

User CP View New Posts View Today's Posts Private Messages (unread: 2, Total: 0)

You have 2 unread private messages. The most recent is from Jock3 (See) KEY FOR PRIVATE SECTIONS

Shere Khan - Official Forum Private Messages

Inbox | Compose Message | Manage Folders | Empty Folders | Download Messages 1% of PM space used.

User CP Home

Messages

- Compose
- Inbox
- Unread
- Send Items
- Effects
- Trash Can
- Tracking
- Gift Folders

Your Profile

- Get Profile
- Change Password
- Change Email
- Change Avatar
- Change Signature
- Get Options

Miscellaneous

- Group Memberships
- Buddy/Ignore List
- Manage Attachments
- Saved Drafts
- Subscribed Threads
- Forum Subscriptions
- View Profile

Message Title	Sender	Date/Time Sent (sec)
KEY FOR PRIVATE SECTIONS	Jock3	3 hours ago
Verification	Jock3	03-09-2020, 11:55 AM

Move To: Inbox or Delete the selected messages

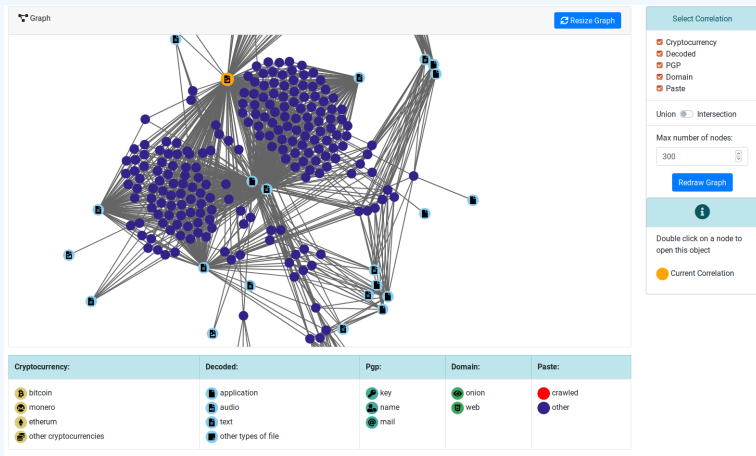
Jump to Folder: Inbox Get

Forum Team Contact Us Shere Khan - Hacking group Return to Top Lite (Archive) Mode Mark all forums read RSS Syndication

Powered by MyBB, © 2002-2020 MyBB Group. Current time: 03-23-2020, 01:31 PM

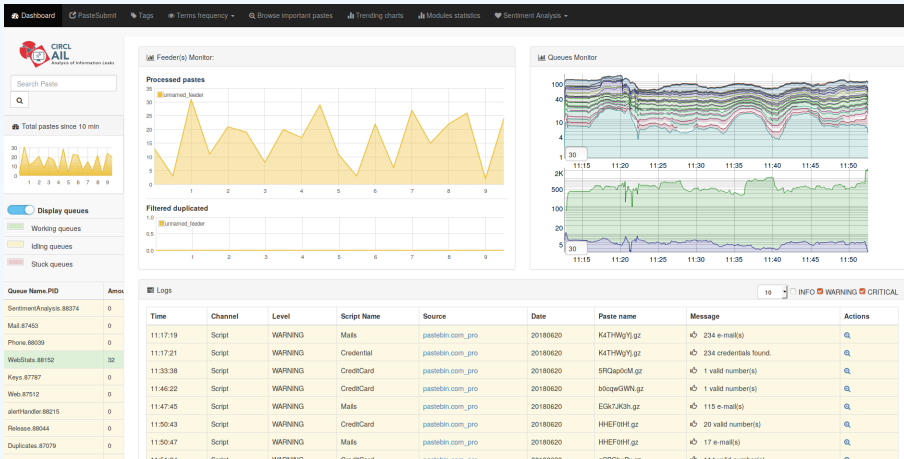
<http://3thxemke2x7hcibu.onion/forum/private.php>

CORRELATIONS AND RELATIONSHIP



LIVE DEMO!

EXAMPLE: DASHBOARD



EXAMPLE: TEXT SEARCH

Q 1 Results for "gandcrab"

Index: 2019-05-20 - 1365.328591 Mb

Show 10 entries Search:

#	Path	Date	Size (Kb)	Action
0	crawled/2019/05/17/vs5e7g245s3pxjoc.onion374a1a89-4b16-4c3f-a460-4be8898da140 crawler cve	2019/05/17	15.44	i Q


Showing 1 to 1 of 1 entries Previous **1** Next

Totalling 1 results related to paste content

EXAMPLE: ITEMS METADATA (1)

infoleak:automatic-detection="phone-number" infoleak:automatic-detection="mail" infoleak:automatic-detection="base64" +

Date	Source	Encoding	Language	Size (Kb)	Mime	Number of lines	Max line length
04/05/2019	pastebin.com_pro	text/plain	None	6.12	text/plain	1650	100

Create  Event

Duplicate list:

Show entries Search:

Hash type	Paste info	Date	Path	Action
[fish]	Similarity: [19]%	2019-04-13	archive/pastebin.com_pro/2019/04/13/EbMVR87S.gz	<input type="checkbox"/>
[fish]	Similarity: [10]%	2019-04-11	archive/pastebin.com_pro/2019/04/11/2X5HRVnX.gz	<input type="checkbox"/>
[fish]	Similarity: [23]%	2019-04-25	archive/pastebin.com_pro/2019/04/25/TS2b6M4c.gz	<input type="checkbox"/>
[fish]	Similarity: [14]%	2019-04-17	archive/pastebin.com_pro/2019/04/17/CuS93H7K.gz	<input type="checkbox"/>
[fish]	Similarity: [23]%	2019-04-20	archive/pastebin.com_pro/2019/04/20/AQd0qGVQ.gz	<input type="checkbox"/>
[fish]	Similarity: [20]%	2019-04-20	archive/pastebin.com_pro/2019/04/20/6DDc13b8.gz	<input type="checkbox"/>
[fish]	Similarity: [21]%	2019-05-05	alerts/pastebin.com_pro/2019/05/05/X8nJLzda.gz	<input type="checkbox"/>
[fish]	Similarity: [7]%	2019-04-13	archive/pastebin.com_pro/2019/04/13/Lyp4VWW.gz	<input type="checkbox"/>





Showing 1 to 8 of 8 entries Previous **1** Next

EXAMPLE: ITEMS METADATA (2)

Hash files:

Show entries



Search:

estimated type	hash	saved_path	Virus Total
 application/octet-stream	3975f058bb0d445b60c10a11f1a5d88e19e4fa84 (1)	HASHS/application/octet-stream /39/3975f058bb0d445b60c10a11f1a5d88e19e4fa84	Send this file to VT 
 application/octet-stream	fed93c1753270fc849a4db37027b569cdd9a6108 (1)	HASHS/application/octet-stream /fe/fed93c1753270fc849a4db37027b569cdd9a6108	Send this file to VT 

Showing 1 to 2 of 2 entries

Previous **1** Next


EXAMPLE: ITEMS METADATA (3)


 Crawled Item 

Domain [2gtyctckj2y5e3ln.onion:80](#)


Father [crawled/2019/05/20/2gtyctckj2y5e3ln.onion954e1b05-aca-4586-a4bc-804bf27b54f7](#)

Url [http://2gtyctckj2y5e3ln.onion/index/forgot/password?tc=1](#)



 **Empire Market**

[LOGIN](#) [REGISTER](#) [FORUMS](#) [VERIFY MIRROR](#)

 **MNEMONIC VERIFICATION - PASSWORD/PIN RESET**

Please type your username and security mnemonic below that was provided to you at the time of registration.

EXAMPLE: BROWSING CONTENT

Content:

```
http://members2.mofosnetwork.com/access/login/  
somoextremos:buddy1990  
brazzers_glenn:cocklick  
brazzers61:braves01
```

```
http://members.naughtyamerica.com/index.php?m=login  
gernblanston:3unc2352  
Janhuss141200:310575  
igetalliwant:1377zeph  
pwilks89:mon22key  
Bman1551:hockey
```

```
MoFos IKnowThatGir1 PublicPickUps  
http://members2.mofos.com  
Chrismagg40884:loganm40  
brando1:zzbrando1  
aacoen:1q2w3e4r  
1rstunkle23:my8self
```

```
BraZZers  
http://ma.brazzers.com  
gcjensen:gcj21pva  
skycsc17:rbcndnd
```

```
#####
```

```
>| Get Daily Update Fresh Porn Password Here |<
```

```
=> http://www.erq.io/4mF1
```

EXAMPLE: BROWSING CONTENT

Content:

Over 50000+ custom hacked xxx passwords by us! Thousands of free xxx passwords to the hottest paysites!

#####

>| Get Fresh New Premium XXX Site Password Here |<

=> http://www.erq.io/4mF1

#####

http://ddfnetwork.com/home.html

eu172936:hCSBgKh

UecwB6zs:159X0\$r#6K78FuU

http://pornxn.stiffia.com/user/login

feldwWek0939:R0bluJ8XtB

dabudka:17891789

brajits:brajits1

http://members.pornstarplatinum.com/sblogin/login.php/

gigiriveracom:xxxjay

jayx123:xxxjay69

http://members.vividceleb.com/

Rufio99:fairhaven

ScHiFRvi:102091

Chaos84:HOLE5244

Riptor795:blade7

Dom180:harkonnen


GaggedUK:a1k0chan


http://www.ariellaferreira.com/

EXAMPLE: SEARCH BY TAGS

Search Tags by date range :







2019-05-19 2019-05-21

 infoleak.automatic-detection="cve" infoleak.automatic-detection="bitcoin-address"

 Search Tags

Show 10 entries

Search:

Date	Path	# of lines	Action
2019/05/19	archive/pastebin.com_pro/2019/05/19/ej67tQ4b.gz cve bitcoin-address	71	 
2019/05/21	archive/pastebin.com_pro/2019/05/21/vM2SwyTe.gz cve bitcoin-address	69	 
2019/05/21	archive/pastebin.com_pro/2019/05/21/rsnHnp5L.gz cve bitcoin-address	71	 

Showing 1 to 3 of 3 entries

Previous 1 Next

MISP

- **Tagging** is a simple way to attach a classification to an event or an attribute.
- **Classification must be globally used to be efficient.**
- Provide a set of already defined classifications modeling estimative language
- Taxonomies are implemented in a simple JSON format ⁵.
- Can be easily cherry-picked or extended

⁵<https://github.com/MISP/misp-taxonomies>

- **infoleak**: Information classified as being potential leak.
- **estimative-language**: Describe quality and credibility of underlying sources, data, and methodologies.
- **admiralty-scale**: Rank the reliability of a source and the credibility of an information
- **fpf**⁶: Evaluate the degree of identifiability of personal data and the types of pseudonymous data, de-identified data and anonymous data.

⁶Future of Privacy Forum

- **tor**: Describe Tor network infrastructure.
- **dark-web**: Criminal motivation on the dark web.
- **copine-scale**⁷: Categorise the severity of images of child sex abuse.

⁷Combating Paedophile Information Networks in Europe



Goal: submission to threat sharing and incident response platforms.




1. Use infoleak taxonomy⁸
2. Add your own tags
3. Export AIL objects to MISP core format
4. Download it or Create a MISP Event⁹

⁸<https://www.misp-project.org/taxonomies.html>

⁹<https://www.misp-standard.org/rfc/misp-standard-core.txt>

MISP EXPORT

1Gt545E48EPsyTC8voKQDCFpTkwuXduw :

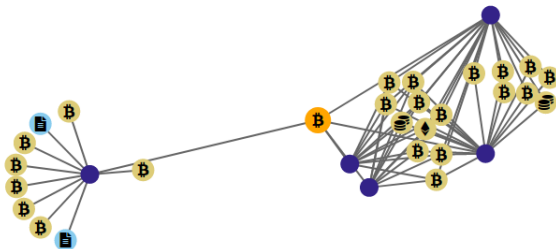
Object type	type	First seen	Last seen	Nb seen
cryptocurrency	 bitcoin	2020/01/17	2020/02/20	5

Expand Bitcoin address

Graph

Resize Graph

Add to  Export



MISP EXPORT



nttfj36sp47cw2yecop572zjvjeazgazieunllouudplzqt2m
5h465yd.onion :

First Seen	Last Check	Ports
------------	------------	-------

2020/02/19	2020/02/19	[80]
------------	------------	------

infoleak:automatic-detection="onion"



Last Origin: [crawled/2020/02/19/dark.failc126d32a-3ed1-468f-ba24-f2e5956f4035](#)

🔍 Show Domain Correlations **4**

Add to Export

🖼️ Screenshot **4**



Hide

Empire Market

LOGIN REGISTER FORUMS

➔ Login

➔ LOGIN TO EMPIRE MARKET

Welcome to Empire Market! Please log in.
Registrations are free and open to everyone.


Username

Password

What's this?







➔ Login

Copyright © 2020 Empire Market



MISP Exporter

Select a list of objects to export

Object Type	Object ID	Lvl	
Object type... ▾		0	 
Object type... ▾	1Gt545E48EPsyTC8voKQDCfPtkwiuXduw	✓ 1	 
Domain ▾	nttfj36sp47cw2yecop572zvjjeazgzieunlloudplzqt2m5h465yd.onion	✓ 0	 

JSON Export Export to MISP Instance

Distribution:

Threat Level:


Analysis:

Event Info:

Publish Event

AUTOMATIC SUBMISSION ON TAGS

MISP Auto Event Creation Enabled



MISP
Threat Sharing

✗ Disable Event Creation

The hive auto export Disabled



TheHive

Enable Alert Creation

Metadata : 6 / 25

Show entries Search:

Whitelist	Tag
<input checked="" type="checkbox"/>	infoleak:automatic-detection="api-key"
<input checked="" type="checkbox"/>	infoleak:automatic-detection="aws-key"
<input checked="" type="checkbox"/>	infoleak:automatic-detection="base64"
<input type="checkbox"/>	infoleak:automatic-detection="bitcoin-address"
<input type="checkbox"/>	infoleak:automatic-detection="bitcoin-private-key"

Showing 1 to 5 of 25 entries

Previous

Next

Metadata : 23 / 25

Show entries Search:

Whitelist	Tag
<input checked="" type="checkbox"/>	infoleak:automatic-detection="api-key"
<input checked="" type="checkbox"/>	infoleak:automatic-detection="aws-key"
<input checked="" type="checkbox"/>	infoleak:automatic-detection="base64"
<input checked="" type="checkbox"/>	infoleak:automatic-detection="bitcoin-address"
<input checked="" type="checkbox"/>	infoleak:automatic-detection="bitcoin-private-key"

Showing 1 to 5 of 25 entries

Previous

Next

Update Tags

API

AIL exposes a ReST API which can be used to interact with the back-end¹⁰.

```
curl https://127.0.0.1:7000/api/v1/get/item/default
  --header "Authorization: iHc1_ChZxj1aXmiFiF1m"
  -H "Content-Type: application/json"
  --data @input.json -X POST
```

- AIL API is currently covering 60% of the functionality of back-end.

¹⁰<https://github.com/ail-project/ail-framework/blob/master/doc/README.md>

SETTING UP THE FRAMEWORK

Setting up AIL-Framework from source

```
1 git clone  
   https://github.com/ail-project/ail-framework.git  
2 cd AIL-framework  
3 ./installing_deps.sh
```

FEEDING THE FRAMEWORK

There are different way to feed AIL with data:

1. Setup *pystemon* and use the custom feeder
 - ▶ *pystemon* will collect items for you
2. Use the new JSON Feeder (twitter)
3. Feed your own data using the API or the `import_dir.py` script
4. Feed your own file/text using the UI (Submit section)

VIA THE UI (1)

Files submission

Submit a file

No file selected.

Archive Password

Tags :

VIA THE UI (2)


Submitting Pastes ...

100 %

Files Submitted **1/1**

Submitted pastes

```
/home/all/git/AIL.framework/PASTES/submitted/2018/06/29/02071570-b464-4bbb-be59-37c58c9b8925.gz
```

Submitted Pastes  Success ✓

api/v1/import/item

```
1 {  
2   "type": "text",  
3   "tags": [  
4     "infoleak:analyst-detection=\"private-key\""  
5   ],  
6   "text": "text to import"  
7 }
```


/!\ requirements:

- Each file to be fed must be of a reasonable size:
 - ▶ ~ 3 Mb / file is already large
 - ▶ This is because some modules are doing regex matching
 - ▶ If you want to feed a large file, better split it in multiple ones

1. Check your local configuration `configs/core.cfg`
 - ▶ In the file `configs/core.cfg`,
 - ▶ Add `127.0.0.1:5556` in `ZMQ_Global`
 - ▶ (should already be set by default)
2. Launch `import_dir.py` with the directory you want to import
 - ▶ `import_dir.py -d dir_path`