က mail_to_misp

MAIL TO MISP

MAIL_TO_MISP

CONNECT YOUR MAIL INFRASTRUCTURE TO MISP TO

CIRCL / TEAM MISP PROJECT

HTTP://WWW.MISP-PROJECT.ORG/ TWITTER: @MISPPROJECT

NSPA



CONTEXT

- You receive emails with IoC's inside
- How to create an event out of it?
- Create event manually and copy paste
- → This works once or twice
- Forwarding the email would be nice
- → mail_to_misp

mail_to_misp

**Too receive enails with lock incide

**To

FEATURES: EMAIL HANDLING

- Extraction of URLs and IP addresses and port numbers
- Extraction of hostnames from URLs
- Extraction of hashes (MD5, SHA1, SHA256)
- DNS expansion
- Subject filters
- Refanging of URLs ('hxxp://...')
- ... and more

က mail_to_misp ■ DNS expansion Subject filters Features: Email handling ■ Refanging of URLs ('hxxp://...') ... and more

2022-08

FEATURES: SUPPORT MISP FEATURES

- Add tags automatically
- Ignore 'whitelisted' domains
- Configurable list of attributes not to enable the IDS flag
- DNS expansion
- Automatically create 'external analysis' links based on filter list (e.g. VirusTotal, malwr.com)
- Automatically filter out attributes that are on a server side warning list
- Support for value sighting
- ... and more

က္က mail_to_misp

-Features: Support MISP features

JRES: SUPPORT MISP FEATURES

■ Add tags automatically

re 'whitelisted' domains

Configurable list of attributes not to enable the IDS flag
 DMS expansion

Automatically create 'external analysis' links based on filt

Automatically filter out attributes that are on a server

warning list

Support for value sight

■ Support for value sight
■ ... and more

IMPLEMENTATION

Legacy

- ightharpoonup Email ightarrow Apple Mail ightharpoonup Mail rule ightharpoonup Apple Script o AppleScript o mail_to_misp o PyMISP o MISP
- ► Email \rightarrow Thunderbird \rightarrow Mail rule \rightarrow filterscript \rightarrow $thunderbird_wrapper \rightarrow mail_to_misp \rightarrow PyMISP \rightarrow MISP$
- Postfix and others
 - ► Email → mail_to_misp

က mail_to_misp thunderbird_wrapper → mail_to_misp → PyMISP → MISP -Implementation Postfix and others

2022-

INSTALLATION

- mail_to_misp
 - 1. git clone git://github.com/MISP/mail to misp.git
 - 2. Install dependencies See Github site
- MTA (Postfix or alike)
 - 1. Setup a new email address in the aliases file (e.g. /etc/aliases) misp handler: "|/path/to/mail to misp.py -"
 - 2. Rebuild the DB sudo newaliases
 - 3. Configure mail_to_misp_config.py

```
misp_url = 'http://127.0.0.1/'
misp_key = 's5jPWClud36Z8XHgsiCVI7SaL1XsMTyfEsN45tTe'
misp verifycert = True
body_config_prefix = 'm2m'
```

က္က mail_to_misp mail_to_misp MTA (Postfox or alike) 2022--Installation

EXERCISE: MAIL_2_MISP.PY

Bonus:

```
https://github.com/MISP/mail to misp test
./ mail_to_misp.py -r mail_to_misp_test/simple_forward.eml
```

■ Bonus: Fake-SMTPD spamtrap

```
./fake_smtp.py
telnet 127.0.0.1 2526
   Trying 127.0.0.1...
   Connected to 127.0.0.1.
   Escape character is '^]'.
   220 misp Python SMTP 1.1
   helo misp
   250 misp
   mail from: mikel
   250 OK
   rcpt to: m2m
   250 OK
   data
   354 End data with <CR><LF>. <CR><LF>
```

mail_to_misp -Exercise: mail_2_misp.py

2022-