

MISP USER TRAINING - GENERAL USAGE OF MISP

MISP - THREAT SHARING

CIRCL / TEAM MISP PROJECT

[HTTP://WWW.MISP-PROJECT.ORG/](http://www.misp-project.org/)

TWITTER: @MISPPROJECT

13TH ENISA-EC3 WORKSHOP



MISP
Threat Sharing

■ Credentials

- ▶ MISP admin: admin@admin.test/admin
- ▶ SSH: misp/Password1234

■ Available at the following location (VirtualBox and VMWare):

- ▶ <https://www.circl.lu/misp-images/latest/>

■ It is a bit broken.

- ▶ `sudo -s`
- ▶ `cd /var/www/MISP/`
- ▶ `sudo pear install`
`INSTALL/dependencies/Console_CommandLine/package.xml`
- ▶ `sudo pear install`
`INSTALL/dependencies/Crypt_GPG/package.xml`
- ▶ `cd /usr/local/src/misp-modules`
- ▶ `pip3 install -r REQUIREMENTS`
- ▶ `pip3 install .`
- ▶ `reboot`

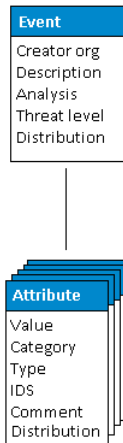
Plan for this part of the training

- Data model
- Viewing data
- Creating data
- Co-operation
- Distribution
- Exports

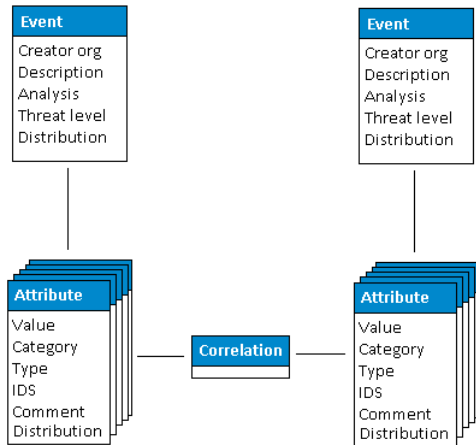
MISP - EVENT (MISP'S BASIC BUILDING BLOCK)

Event
Creator org
Description
Analysis
Threat level
Distribution

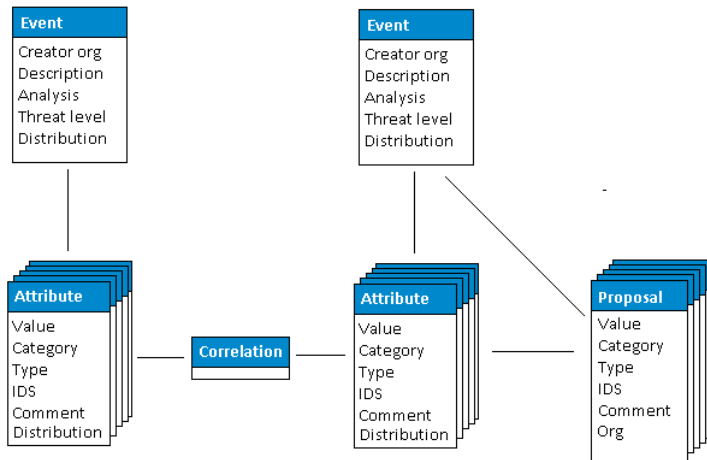
MISP - EVENT (ATTRIBUTES, GIVING MEANING TO EVENTS)



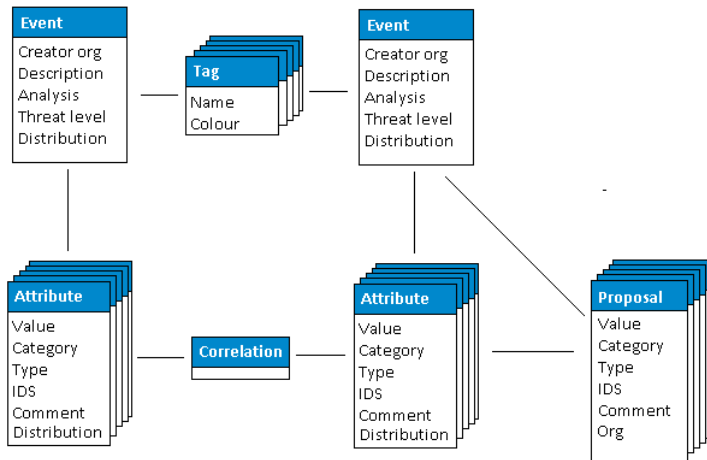
MISP - EVENT (CORRELATIONS ON SIMILAR ATTRIBUTES)



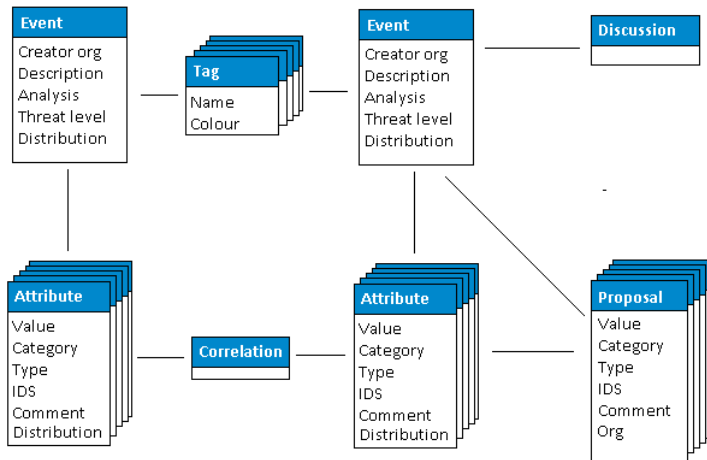
MISP - EVENT (PROPOSALS)



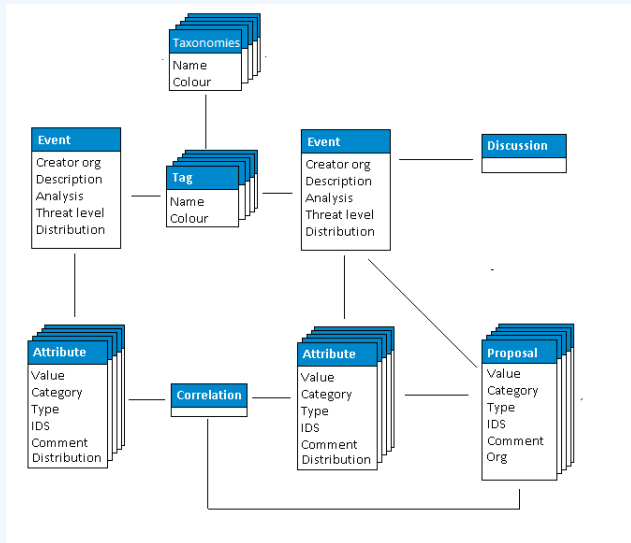
MISP - EVENT (TAGS)



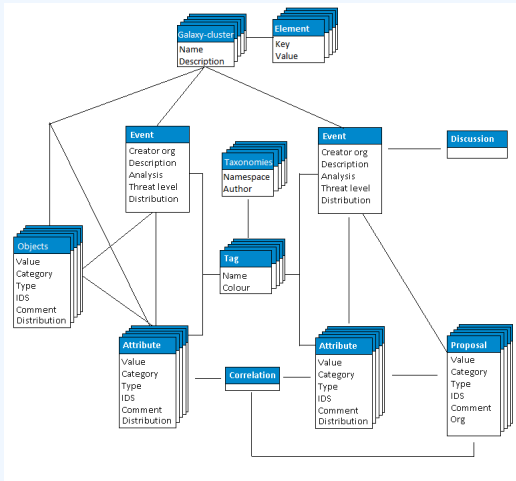
MISP - EVENT (DISCUSSIONS)



MISP - EVENT (TAXONOMIES AND PROPOSAL CORRELATIONS)



MISP - EVENT (THE STATE OF THE ART MISP DATAMODEL)



■ Event Index

- ▶ Event context
- ▶ Tags
- ▶ Distribution
- ▶ Correlations

■ Filters

■ Event View

- ▶ Event context
- ▶ Attributes
 - Category/type, IDS, Correlations
- ▶ Objects
- ▶ Galaxies
- ▶ Proposals
- ▶ Discussions

■ Tools to find what you are looking for

■ Correlation graphs

MISP - CREATING AND POPULATING EVENTS IN VARIOUS WAYS (DEMO)

- The main tools to populate an event
 - ▶ Adding attributes / batch add
 - ▶ Adding objects and how the object templates work
 - ▶ Freetext import
 - ▶ Import
 - ▶ Templates
 - ▶ Adding attachments / screenshots
 - ▶ API

- What happens automatically when adding data?
 - ▶ Automatic correlation
 - ▶ Input modification via validation and filters (regex)
 - ▶ Tagging / Galaxy Clusters
- Various ways to publish data
 - ▶ Publish with/without e-mail
 - ▶ Publishing via the API
 - ▶ Delegation

- Correlation graphs
- Downloading the data in various formats
- API (explained later)
- Collaborating with users (proposals, discussions, emails)

MISP - SYNC EXPLAINED (IF NO ADMIN TRAINING)

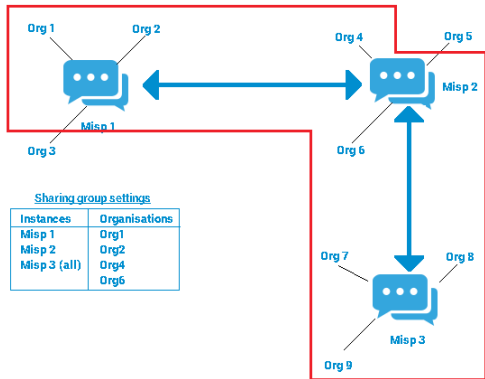
- Sync connections
- Pull/push model
- Previewing instances
- Filtering the sync
- Connection test tool
- Cherry pick mode

MISP - FEEDS EXPLAINED (IF NO ADMIN TRAINING)

- Feed types (MISP, Freetext, CSV)
- Adding/editing feeds
- Previewing feeds
- Local vs Network feeds

- Your Organisation Only
- This Community Only
- Connected Communities
- All Communities
- Sharing Group

MISP - DISTRIBUTION AND TOPOLOGY



- Download an event
- Quick glance at the APIs
- Download search results
- ReST API and query builder

MISP - SHORTHAND ADMIN (IF NO ADMIN TRAINING)

- Settings
- Troubleshooting
- Workers
- Logs