

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



2024-10-02

MISP User Training - General usage of MISP

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■ 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/>

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└─ MISP - VM

MISP - VM

- 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

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Plan for this part of the training

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

└─ MISP - General Usage

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- Data model
- Viewing data
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- Co-operation
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MISP - EVENT (MISP's BASIC BUILDING BLOCK)

Event
Creator org
Description
Analysis
Threat level
Distribution

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└─ MISP - Event (MISP's basic building block)

MISP - EVENT (MISP's BASIC BUILDING BLOCK)

Event

Creator org

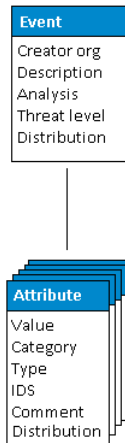
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MISP - EVENT (ATTRIBUTES, GIVING MEANING TO EVENTS)



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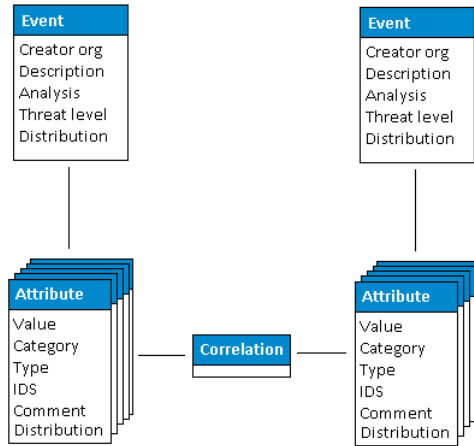
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└─ MISP - Event (Attributes, giving meaning to events)

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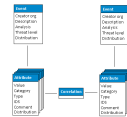
MISP - EVENT (CORRELATIONS ON SIMILAR ATTRIBUTES)



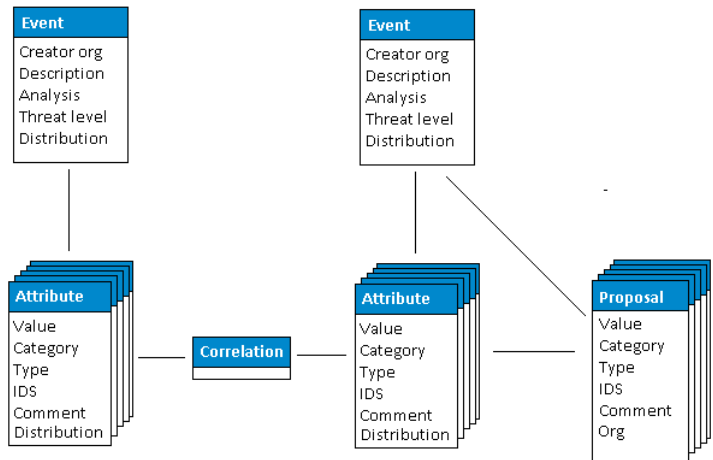
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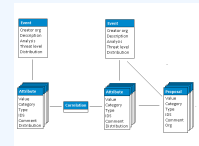
└─ MISP - Event (Correlations on similar attributes)



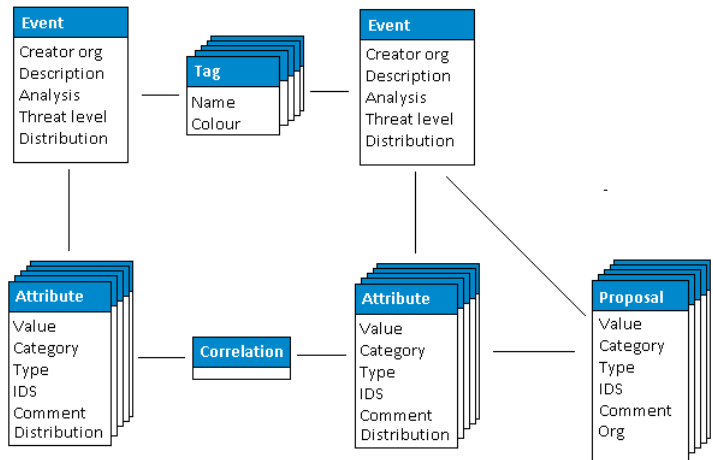
MISP - EVENT (PROPOSALS)



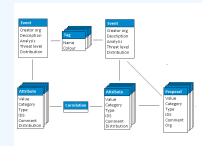
MISP - Event (Proposals)



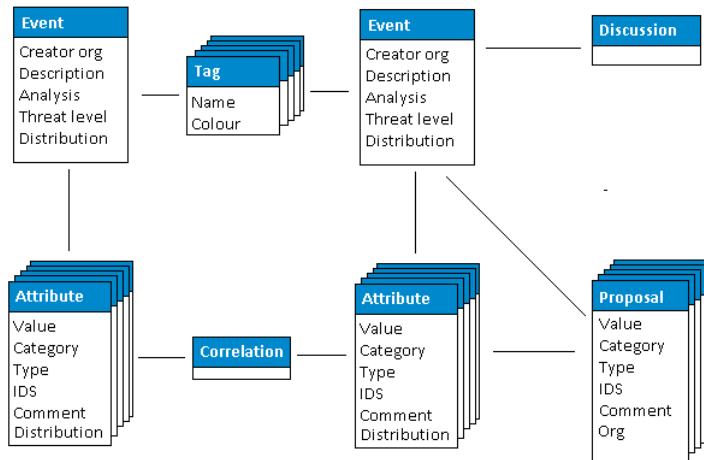
MISP - EVENT (TAGS)



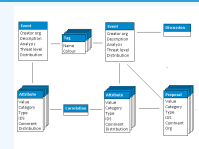
MISP - Event (Tags)



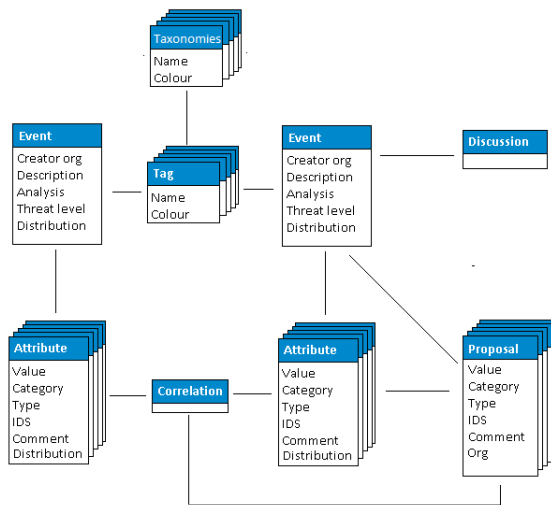
MISP - EVENT (DISCUSSIONS)



MISP - Event (Discussions)



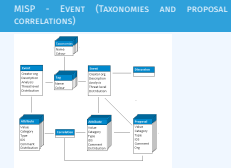
MISP - EVENT (TAXONOMIES AND PROPOSAL CORRELATIONS)



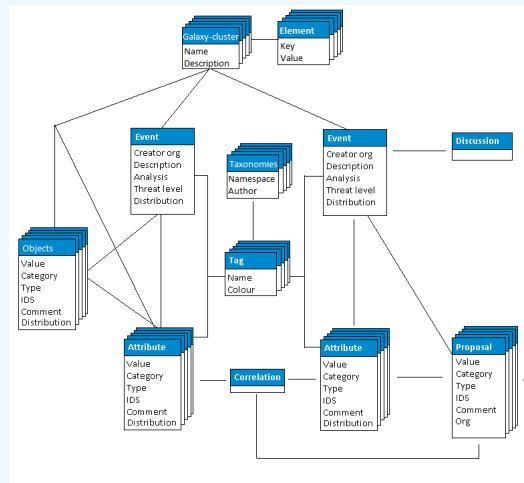
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└─ MISP - Event (Taxonomies and proposal correlations)



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



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└─ MISP - Event (The state of the art MISP datamodel)



■ Event Index

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

■ Filters

└─ MISP - Viewing the Event Index

- 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 - Viewing an Event

- 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

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MISP User Training - General usage of MISP

└─ 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

└─ MISP - Various features while adding data

- 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 - Using the data

- 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

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MISP User Training - General usage of MISP

└─ 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

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MISP User Training - General usage of MISP

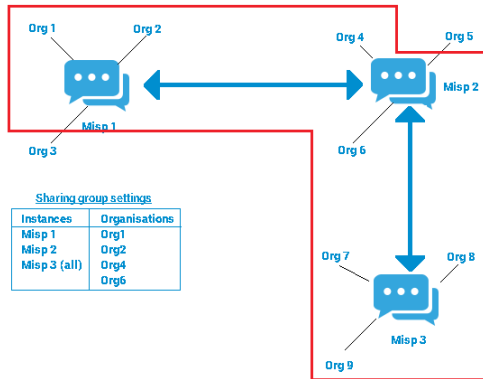
└─ MISP - Feeds explained (if no admin training)

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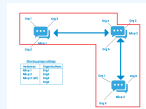
- Your Organisation Only
- This Community Only
- Connected Communities
- All Communities
- Sharing Group

└─ MISP - Distributions explained

- 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 - Exports and API

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

- Settings
- Troubleshooting
- Workers
- Logs

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└─ MISP - Shorthand admin (if no admin training)

- Settings
- Troubleshooting
- Workers
- Logs