

# MISP USER TRAINING - ADMINISTRATION OF MISP 2.4

MISP THREAT SHARING

CIRCL / TEAM MISP PROJECT

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

NSPA



2022-08-05

MISP User Training - Administration of MISP 2.4

MISP USER TRAINING - ADMINISTRATION OF MISP 2.4

MISP THREAT SHARING

CIRCL / TEAM MISP PROJECT

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

NSPA



- VM can be downloaded at <https://www.circl.lu/misp-training/>
- Credentials
  - ▶ MISP admin: admin@admin.test/admin
  - ▶ SSH: misp/Password1234
- 2 network interfaces
  - ▶ NAT
  - ▶ Host only adapter
- Start the enrichment system by typing:
  - ▶ `cd /home/misp/misp-modules/bin`
  - ▶ `python3 misp-modules.py`

### └─ MISP - VM

- VM can be downloaded at <https://www.circl.lu/misp-training/>
- Credentials
  - ▶ MISP admin: admin@admin.test/admin
  - ▶ SSH: misp/Password1234
- 2 network interfaces
  - ▶ NAT
  - ▶ Host only adapter
- Start the enrichment system by typing:
  - ▶ `cd /home/misp/misp-modules/bin`
  - ▶ `python3 misp-modules.py`

## ■ Plan for this part of the training

- ▶ User and Organisation administration
- ▶ Sharing group creation
- ▶ Templates
- ▶ Tags and Taxonomy
- ▶ Whitelisting and Regexp entries
- ▶ Setting up the synchronisation
- ▶ Scheduled tasks
- ▶ Feeds
- ▶ Settings and diagnostics
- ▶ Logging
- ▶ Troubleshooting and updating

2022-08-05

## MISP User Training - Administration of MISP 2.4

### └─ MISP - Administration

- Plan for this part of the training
  - ▶ User and Organisation administration
  - ▶ Sharing group creation
  - ▶ Templates
  - ▶ Tags and Taxonomy
  - ▶ Whitelisting and Regexp entries
  - ▶ Setting up the synchronisation
  - ▶ Scheduled tasks
  - ▶ Feeds
  - ▶ Settings and diagnostics
  - ▶ Logging
  - ▶ Troubleshooting and updating

- Add new user (andras.iklody@circl.lu)
- NIDS SID, Organisation, disable user
- Fetch the PGP key
- Roles
  - ▶ Re-using standard roles
  - ▶ Creating a new custom role
- Send out credentials

### └─ MISP - Creating Users

- Add new user (andras.iklody@circl.lu)
- NIDS SID, Organisation, disable user
- Fetch the PGP key
- Roles
  - ▶ Re-using standard roles
  - ▶ Creating a new custom role
- Send out credentials

- Adding a new organisation
- UUID
- Local vs External organisation
- Making an organisation self sustaining with Org Admins
- Creating a sync user

### └─ MISP - Creating Organisations

- Adding a new organisation
- UUID
- Local vs External organisation
- Making an organisation self sustaining with Org Admins
- Creating a sync user

- The concept of a sharing group
- Creating a sharing group
- Adding extending rights to an organisation
- Include all organisations of an instance
- Not specifying an instance
- Making a sharing group active
- Reviewing the sharing group

### └─ MISP - Sharing groups

- The concept of a sharing group
- Creating a sharing group
- Adding extending rights to an organisation
- Include all organisations of an instance
- Not specifying an instance
- Making a sharing group active
- Reviewing the sharing group

- Why templating?
- Create a basic template
- Text fields
- Attribute fields
- Attachment fields
- Automatic tagging

### └─ MISP - Templates

- Why templating?
- Create a basic template
- Text fields
- Attribute fields
- Attachment fields
- Automatic tagging

- git submodule init && git submodule update
- Loading taxonomies
- Enabling taxonomies and associated tags
- Tag management
- Exportable tags

### └─ MISP - Tags and Taxonomies

- git submodule init && git submodule update
- Loading taxonomies
- Enabling taxonomies and associated tags
- Tag management
- Exportable tags



- git submodule init && git submodule update
- Enabling objects (and what about versioning)

### └─ MISP - Object Templates

- git submodule init && git submodule update
- Enabling objects (and what about versioning)

- Block from exports - whitelisting
- Block from imports - blacklisting via regexp
- Modify on import - modification via regexp
- Maintaining the warninglists

### └─ MISP - Whitelisting, Regexp entries, Warninglists

- Block from exports - whitelisting
- Block from imports - blacklisting via regexp
- Modify on import - modification via regexp
- Maintaining the warninglists

- Requirements - versions
- Pull/Push
- One way vs Two way synchronisation
- Exchanging sync users
- Certificates
- Filtering
- Connection test tool
- Previewing an instance
- Cherry picking and keeping the list updated

### └─ MISP - Setting up the synchronisation

- Requirements - versions
- Pull/Push
- One way vs Two way synchronisation
- Exchanging sync users
- Certificates
- Filtering
- Connection test tool
- Previewing an instance
- Cherry picking and keeping the list updated

- How to schedule the next execution
- Frequency, next execution
- What happens if a job fails?

### └─ MISP - Scheduled tasks

- How to schedule the next execution
- Frequency, next execution
- What happens if a job fails?

- MISP Feeds and their generation
- PyMISP
- Default free feeds
- Enabling a feed
- Previewing a feed and cherry picking
- Feed filters
- Auto tagging

### └─ MISP - Setting up the synchronisation

- MISP Feeds and their generation
- PyMISP
- Default free feeds
- Enabling a feed
- Previewing a feed and cherry picking
- Feed filters
- Auto tagging

## ■ Settings

- ▶ Settings interface
- ▶ The tabs explained at a glance
- ▶ Issues and their severity
- ▶ Setting guidance and how to best use it

### └─ MISP - Settings and diagnostics

- Settings
  - ▶ Settings interface
  - ▶ The tabs explained at a glance
  - ▶ Issues and their severity
  - ▶ Setting guidance and how to best use it

- Basic instance setup
- Additional features released as hotfixes
- Customise the look and feel of your MISP
- Default behaviour (encryption, e-mailing, default distributions)
- Maintenance mode
- Disabling the e-mail alerts for an initial sync

### └─ MISP - Settings and diagnostics continued

- Basic instance setup
- Additional features released as hotfixes
- Customise the look and feel of your MISP
- Default behaviour (encryption, e-mailing, default distributions)
- Maintenance mode
- Disabling the e-mail alerts for an initial sync

### ■ Plugins

- ▶ Enrichment Modules
- ▶ RPZ
- ▶ ZeroMQ

### └─ MISP - Settings and diagnostics continued

- Plugins
  - ▶ Enrichment Modules
  - ▶ RPZ
  - ▶ ZeroMQ



## ■ Diagnostics

- ▶ Updating MISP
- ▶ Writeable Directories
- ▶ PHP settings
- ▶ Dependency diagnostics

### └─ MISP - Settings and diagnostics continued

- Diagnostics
  - ▶ Updating MISP
  - ▶ Writeable Directories
  - ▶ PHP settings
  - ▶ Dependency diagnostics

### ■ Workers

- ▶ What do the background workers do?
- ▶ Queues
- ▶ Restarting workers, adding workers, removing workers
- ▶ Worker diagnostics (queue size, jobs page)
- ▶ Clearing worker queues
- ▶ Worker and background job debugging

### └─ MISP - Settings and diagnostics continued

- Workers
  - ▶ What do the background workers do?
  - ▶ Queues
  - ▶ Restarting workers, adding workers, removing workers
  - ▶ Worker diagnostics (queue size, jobs page)
  - ▶ Clearing worker queues
  - ▶ Worker and background job debugging

## ■ Seeking help

- ▶ Dump your settings to a file!
- ▶ Make sure to sanitise it
- ▶ Send it to us together with your issue to make our lives easier
- ▶ Ask Github (<https://github.com/MISP/MISP>)
- ▶ Have a chat with us on gitter (<https://gitter.im/MISP/MISP>)
- ▶ Ask the MISP mailing list
- ▶ If this is security related, drop us a PGP encrypted email to <mailto:info@circl.lu>

### └─ MISP - Settings and diagnostics continued

- Seeking help
  - ▶ Dump your settings to a file!
  - ▶ Make sure to sanitise it
  - ▶ Send it to us together with your issue to make our lives easier
  - ▶ Ask Github (<https://github.com/MISP/MISP>)
  - ▶ Have a chat with us on gitter (<https://gitter.im/MISP/MISP>)
  - ▶ Ask the MISP mailing list
  - ▶ If this is security related, drop us a PGP encrypted email to <mailto:info@circl.lu>

- Audit logs in MISP
- Enable IP logging / API logging
- Search the logs, the fields explained
- External logs
  - ▶ /var/www/MISP/app/tmp/logs/error.log
  - ▶ /var/www/MISP/app/tmp/logs/resque-worker-error.log
  - ▶ /var/www/MISP/app/tmp/logs/resque-scheduler-error.log
  - ▶ /var/www/MISP/app/tmp/logs/resque-[date].log
  - ▶ /var/www/MISP/app/tmp/logs/error.log
  - ▶ apache access logs

### └─ MISP - Logging

- Audit logs in MISP
- Enable IP logging / API logging
- Search the logs, the fields explained
- External logs
  - ▶ /var/www/MISP/app/tmp/logs/error.log
  - ▶ /var/www/MISP/app/tmp/logs/resque-worker-error.log
  - ▶ /var/www/MISP/app/tmp/logs/resque-scheduler-error.log
  - ▶ /var/www/MISP/app/tmp/logs/resque-[date].log
  - ▶ /var/www/MISP/app/tmp/logs/error.log
  - ▶ apache access logs

- git pull
- git submodule init && git submodule update
- reset the permissions if it goes wrong according to the INSTALL.txt
- when MISP complains about missing fields, make sure to clear the caches
  - ▶ in /var/www/MISP/app/tmp/cache/models remove myapp\*
  - ▶ in /var/www/MISP/app/tmp/cache/persistent remove myapp\*
- No additional action required on hotfix level
- Read the migration guide for major and minor version changes

### └─ MISP - Updating MISP

- git pull
- git submodule init && git submodule update
- reset the permissions if it goes wrong according to the INSTALL.txt
- when MISP complains about missing fields, make sure to clear the caches
  - ▶ in /var/www/MISP/app/tmp/cache/models remove myapp\*
  - ▶ in /var/www/MISP/app/tmp/cache/persistent remove myapp\*
- No additional action required on hotfix level
- Read the migration guide for major and minor version changes

- Upgrade scripts for minor / major versions
- Maintenance scripts

2022-08-05

## MISP User Training - Administration of MISP 2.4

### └─ MISP - Administrative tools

- Upgrade scripts for minor / major versions
- Maintenance scripts