

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

CIISI-IE DUBLIN 2024



2024-07-08

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- 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

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■ 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

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└─ MISP - Administration

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- 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

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

└─ MISP - Creating Organisations

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- UUID
- Local vs External organisation
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- 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
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- Why templating?
- Create a basic template
- Text fields
- Attribute fields
- Attachment fields
- Automatic tagging

└─ MISP - Templates

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- Create a basic template
- Text fields
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- 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 - WHITELISTING, REGEXP ENTRIES, WARNINGLISTS

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

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└─ MISP - Whitelisting, Regexp entries, Warninglists

- Block from exports - whitelisting
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- 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
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- Filtering
- Connection test tool
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- 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

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■ 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

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 - ▶ 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

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■ Plugins

- ▶ Enrichment Modules
- ▶ RPZ
- ▶ ZeroMQ

└─ MISP - Settings and diagnostics continued

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■ Diagnostics

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

└─ MISP - Settings and diagnostics continued

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■ 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

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■ 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>

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- 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

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- Enable IP logging / API logging
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- 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

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└─ MISP - Administrative tools

- Upgrade scripts for minor / major versions
- Maintenance scripts