MISP User Training - Administration of MISP 2.4

MISP Threat Sharing

Team CIRCL

http://www.misp-project.org/
Twitter: @MISPPproject

MISP Training @ FIRST.org 2019 20190617
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
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 Organisations

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

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

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

- Enrichment Modules
- RPZ
- ZeroMQ
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
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
- `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