Setting up usage statistics

To monitor the use of your FileSender installation, other than by examining the various logs in the Administrator view of the Filesender user interface, you can install additional software to gather various kinds of statistics.

Webserver log analysers

Log analysers like <u>AWStats</u> and <u>Webalizer</u> can give you a good general overview of the use of your FileSender webserver, with reports about unique visitors (IP based), type of clients, where they came from and more. Note that these analysers don't give you exact details about the number of files, uploads, downloads and vouchers over time.

To monitor the more specific FileSender resources, SCRE and AARNet are collecting usage statistics with the Zabbix and MRTG monitoring tools. The following notes and files can get you started.

Zabbix

filesender zabbix.pl - A Zabbix sensor as contributed by Emir Imamagic (SCRE)

Note from Emir

```
I attached a sensor for Zabbix that we use to get statistics at Srce.

Gathered parameters are:
"filesender.users_active"
"filesender.users_active"
"filesender.files_total"
"filesender.files_total"
"filesender.vouchers_total"
"filesender.vouchers_total"
"filesender.vouchers_total"
"filesender.upload_num"
"filesender.download_num"
"filesender.download_num"
"filesender.download_size"
I think they are pretty self-explanatory, but I can add more text if needed:)

By default configuration should be placed in /etc/filesender/config:
HOST-FS_DB_HOST
HOST-FS_DB_NAME
USER-FS_DB_NAME
USER-FS_DB_OASS
ZABBIX_HOST-FS_ZABBIX_HOST
ZABBIX_SERVER-CENTAL_ZABBIX_SERVER

Sensor can be executed as Zabbix check or simply from cron. All errors are printed to syslog.
```

MRTG

filesender_grabber.pl - A MRTG collector based on the SCRE Zabbix sensor by David Jericho (AARNet).

Note from David:

Munin

Using the SQL from the zabbix-plugin. It uses a limited database-user "filesender_readonly' which has 'GRANT SELECT' on everything and nothing else, then it is possible to filter out the lookups on the database (every fve minutes) in the postgresql munin-plugins.

Setup:

```
[filesender*]
user postgres
env.PGPORT 5432
env.PGPASSWORD somepassword
env.PGUSER filesender_readonly
```

This shows numbers of files/vouchers/users that are yet to expire.

SQL-trick for getting statistics per domain

PSQL='psql -h localhost -U filesender_readonly -At -d filesender -c '

Make a view just for log-crunching:

```
CREATE VIEW aggregated_logs AS
SELECT
logs.logid,
logs.logitype,
split_part(lower(logs.logfrom::text), '@'::text, 1) AS logfrom_user,
split_part(lower(logs.logfrom::text), '@'::text, 2) AS logfrom_domain,
logs.logate,
logs.logatetuseruid,
logs.logidseize
FROM logs;
```

You now have the domain in "logfrom_domain" and can GROUP BY it. Preferrably each unique "logfrom_user" should be replaced with a token so as to anonymize the data, this has not been done here. "logauthuserid" is used to check for vouchered users.