

Mandaye - modular reverse proxy to authenticate

Mandaye is a modular rewriting reverse proxy. Its main use is to add external authentication systems to legacy application, i.e. SSO.

It dispatches HTTP requests to your applications and allow you to transform and filter the request and the response.

Mandaye allows to couple your authentication provider with incompatible web applications.

Copying

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Features

- Mapping / dispatching
With Mandaye you can define your own mapping files. This allows you to call your own filters on the right HTTP requests. See the config part for more details.
- Filters
You can define your own filters with Mandaye. This filter have access to the WSGI environment and could modify the HTTP requests and / or responses.
- Local authentication
Mandaye provide a sql local authentication but you can also implement your own local authentication.
- Distant authentication
At the moment Mandaye only support form replay for a distant authentication but we will provide SAML 2.0, OpenID and CAS support.

Installation

Dependencies

You must install the following packages to use Mandaye

- Python >= 2.5:: <http://python.org/>
- Setuptools >= 0.6:: <http://pypi.python.org/pypi/setuptools>
- Gunicorn >= 0.13:: <http://pypi.python.org/pypi/gunicorn>
- Poster >= 0.8:: <http://pypi.python.org/pypi/poster/>
- SQLAlchemy >= 0.7:: <http://pypi.python.org/pypi/SQLAlchemy>
- Beaker >= 1.6:: <http://pypi.python.org/pypi/Beaker>
- Mako >= 0.4:: <http://pypi.python.org/pypi/Mako>
- lxml >= 2.3:: <http://pypi.python.org/pypi/lxml>

You can install all those dependencies quickly using pip

```
pip install gevent poster SQLAlchemy Beaker Mako lxml gunicorn
```

or easy_install::

```
easy_install gevent poster SQLAlchemy Beaker Mako lxml gunicorn
```

or apt-get (Debian based distributions)::

```
apt-get install gunicorn python-poster python-sqlalchemy python-beaker python-mako python-lxml python-setuptools
```

It's recommended to install the following modules

- PyCrypto >= 2.3:: <http://pypi.python.org/pypi/pycrypto>
- Static >= 0.4:: <http://pypi.python.org/pypi/static>

You can install this Python modules with pip

```
pip install pycrypto static
```

Quick installation

Install at least Python >=2.5 and setuptools or distribute and enter this command in a shell

```
$ python setup.py install
```

If you want to develop use this command line

```
$ python setup.py develop
```

Quick Start

Configure MANDAYE_PATH/mandaye/config.py with your own preferences.
You must configure the database uri and the log file.

First create your database

```
$ mandaye_admin.py --createdb
```

Launch mandaye server

```
$ mandaye_server.py
```

mandaye_server.py use gunicorn and gunicorn options (please read <http://gunicorn.org/configure.html>)

You could also use gunicorn.conf.py-sample (in the mandaye files)

```
$ mandaye_server.py -c PATH_TO_THE_FILE/gunicorn.conf.py
```

or

```
$ mandaye_server.py -c PATH_TO_THE_FILE/gunicorn.conf.py -b 0.0.0.0:4242
```

Configuration

TODO

[EtatDelArt](#)

[Fonctionnement](#)