
imap-storage

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Use your Email-account as Storage for data structures and files

1.1 Getting Started

These instructions will get you a copy of the project up and running on your local machine for development and testing purposes. See deployment for notes on how to deploy the project on a live system. Have a look at the [documentation](#).

1.1.1 Introducing notes

- Before reaching version 1.0, the storage layout may change when updating

1.1.2 Prerequisites

python3.5 or later. It should work Python3.4+ but tests are running on 2.7, 3.5 and 3.7.

This project makes use of the following libraries:

- [IMAPClient](#) - easy-to-use, Pythonic and complete IMAP client library.
- [lxml](#) - the most feature-rich and easy-to-use library for processing XML and HTML in the Python language

1.1.3 Installing

You can install the latest release from pip:

```
pip install imap-storage
```

1.1.4 Short example

```
from imap_storage import Account, Config

config = Config()
config.imap.user = 'email@example.com'
config.imap.password = '123'
config.imap.host = 'imap.example.com' # config.imap.port default is 993

account = Account(config, 1)
directory = account.storage.directory_by_path(account.config.directory)
email = directory.new_email('Your_first_item')
email.add_item('TestMessage', text='Your first message')
email.save()
email.delete()
account.close()
```

1.2 Running the tests

Rename 'secrets.sample.py' in tests directory to 'secrets.py' and include your e-mail account for testing. Then run this inside root directory:

```
python -m unittest # tests all
python -m unittest tests.test_account # tests only account
```

or run it with coverage:

```
coverage run --source='imap_storage' -m unittest && coverage report -m --skip-covered
```

1.2.1 And coding style tests

Code style is not finished, mostly because of missing docstrings.

```
pylint imap_storage
```

1.3 Deployment

This library is not ready to be deployed productive

1.4 Contributing

Please read [CONTRIBUTING.md](#) for details on our code of conduct, and the process for submitting pull requests to us.

1.5 Versioning

We use [SemVer](#) for versioning. During beta development minor versions may be incompatible, too.

1.6 Authors

- **Me** - *Initial work* - Snake-Soft

See also the list of [contributors](#) who participated in this project.

1.7 License

This project is licensed under the GNU General Public License v3.0 - see the [LICENSE.md](#) file for details