Maintaining a Python Project When It's Not Your Job

Hynek Schlawack

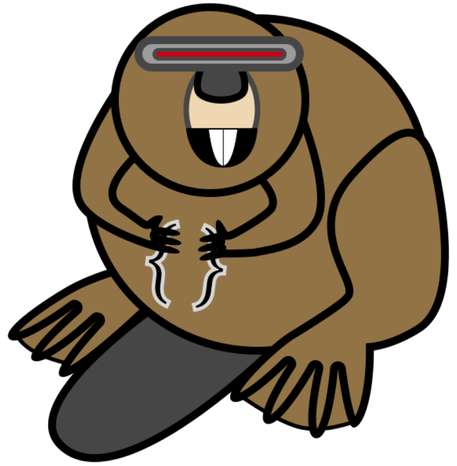
prometheus-async

pyOpenSSL

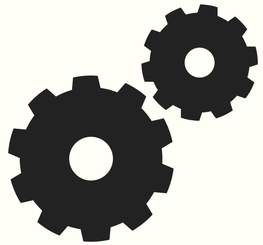
environ-config

pem

Twisted



CPython



first

attrs

structlog

doc2dash

cryptography

argon2-cffi

Remove Friction

@HYNEK

@HYNEK

From Idea to PyPI: A Play in 3 Acts

@hynek

Act 1

Development

Project Information

`attrs` is released under the MIT license, its documentation lives at Read the Docs, the code on GitHub, and the latest release on PyPI. It's rigorously tested on Python 2.7, 3.4+, and PyPy.

We collect information on **third-party extensions** in our wiki. Feel free to browse and add your own!

If you'd like to contribute to `attrs` you're most welcome and we've written a little guide to get you started!

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@HYNEK

.github/CONTRIBUTING.rst

.github/CONTRIBUTING.rst
.github/CODE_OF_CONDUCT.rst

@HYNEK

```
$ pip install -e .[dev]
```

```
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```

```
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```

Optional Dependencies

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```
$ pip install urllib3[brotli,socks]
```

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```
$ pip install urllib3[brotli,socks]
```

```
setup(
    # ...
    extras_require={
        "tests": ["pytest", "coverage"]
    }
)
```

@HYNEK

```
$ pip install -e .[dev]
$ pytest
```

```
$ pip install -e .[dev]
$ pytest
$ cd docs; make html
```

PROBLEMS

PROBLEMS

1. remember *how*

PROBLEMS

1. remember *how*
2. only 1 Python version

tox

tox.ini

```
[tox]
envlist = py27,py37,pypy,pypy3
```

tox.ini

```
[tox]
envlist = py27,py37,pypy,pypy3

[testenv]
```

tox.ini

```
[tox]
envlist = py27,py37,pypy,pypy3

[testenv]
extras = tests
```

tox.ini

```
[tox]
envlist = py27,py37,pypy,pypy3

[testenv]
extras = tests
commands = pytest {posargs}
```

tox.ini

```
[tox]
envlist = py27,py37,pypy,pypy3

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extras = tests
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```

tox.ini

```
[tox]
envlist = py27,py37,pypy,pypy3

[testenv]
extras = tests
commands = pytest {posargs}


# tox -e py27 -- -x
```

LINTING

flake8

Fix MANIFEST.in

master 19.2.0 ... 18.2.0

hynek committed on May 24, 2018

```
pip install -i https://test.pypi.org/simple/ stdio-mgr==1.0
```

Last released: Apr 1, 2018

Context manager for mocking/wrapping stdin/stdout/stderr

Navigation

- Project description
- Release history
- Download files

Project links

- Homepage

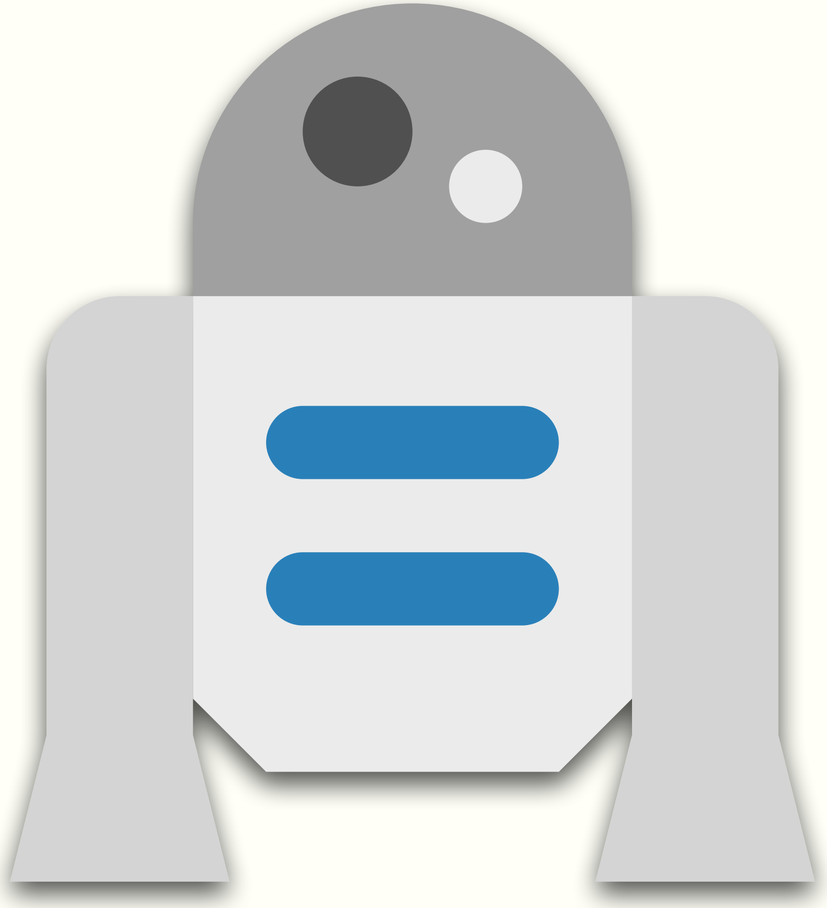
Project description

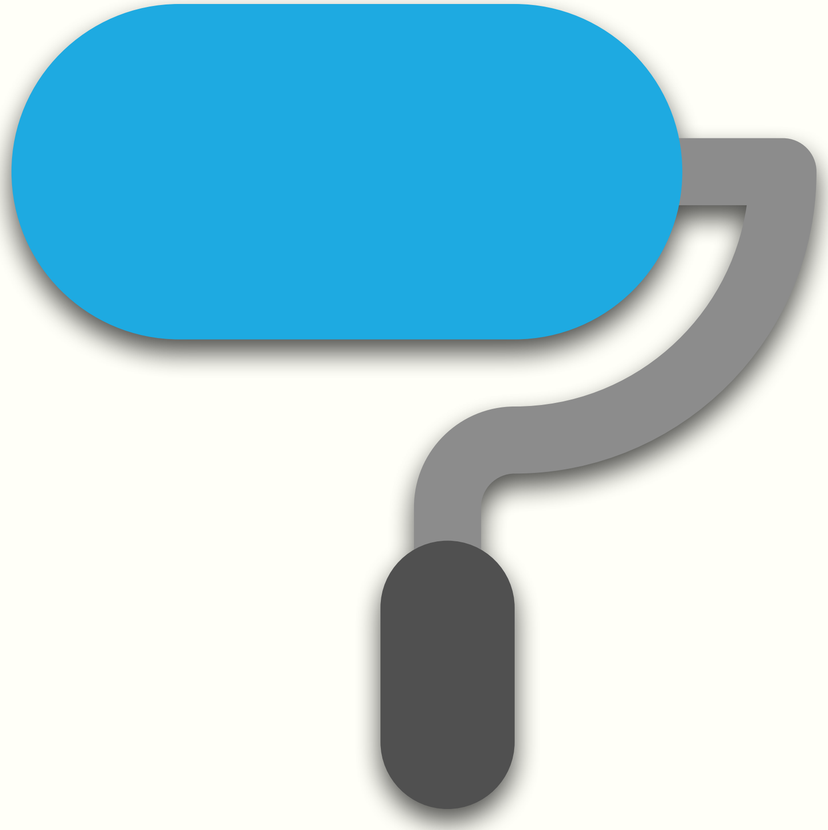
stdio Manager
==========

Python context manager for mocking/wrapping ``stdin``/``stdout``/``stderr``

.. image:: https://travis-ci.org/bskinn/stdio-mgr.svg?branch=dev
:target: https://travis-ci.org/bskinn/stdio-mgr

.. image:: https://codecov.io/gh/bskinn/stdio-mgr/branch/dev/graph/badge.svg
:target: https://codecov.io/gh/bskinn/stdio-mgr





@HYNEK

isort

@HYNEK

.pre-commit-config.yaml

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```yaml
repos:
  - repo: https://gitlab.com/pycqa/flake8
```

.pre-commit-config.yaml

```yaml
repos:
  - repo: https://gitlab.com/pycqa/flake8
    rev: 3.7.7
```

.pre-commit-config.yaml

```yaml
repos:
  - repo: https://gitlab.com/pycqa/flake8
    rev: 3.7.7
    hooks:
      - id: flake8
```

.pre-commit-config.yaml

```yaml
repos:
  - repo: https://gitlab.com/pycqa/flake8
    rev: 3.7.7
    hooks:
      - id: flake8
        language_version: python3.7
```

tox.ini

tox.ini

```
[testenv:lint]
```

tox.ini

```
[testenv:lint]
deps = pre-commit
```

tox.ini

```
[testenv:lint]
deps = pre-commit
skip_install = true
```

tox.ini

```
[testenv:lint]
deps = pre-commit
skip_install = true
commands =
    pre-commit run --all-files
```

tox.ini

```
[testenv:docs]
basepython = python3.7
extras = docs
commands =
```

tox.ini

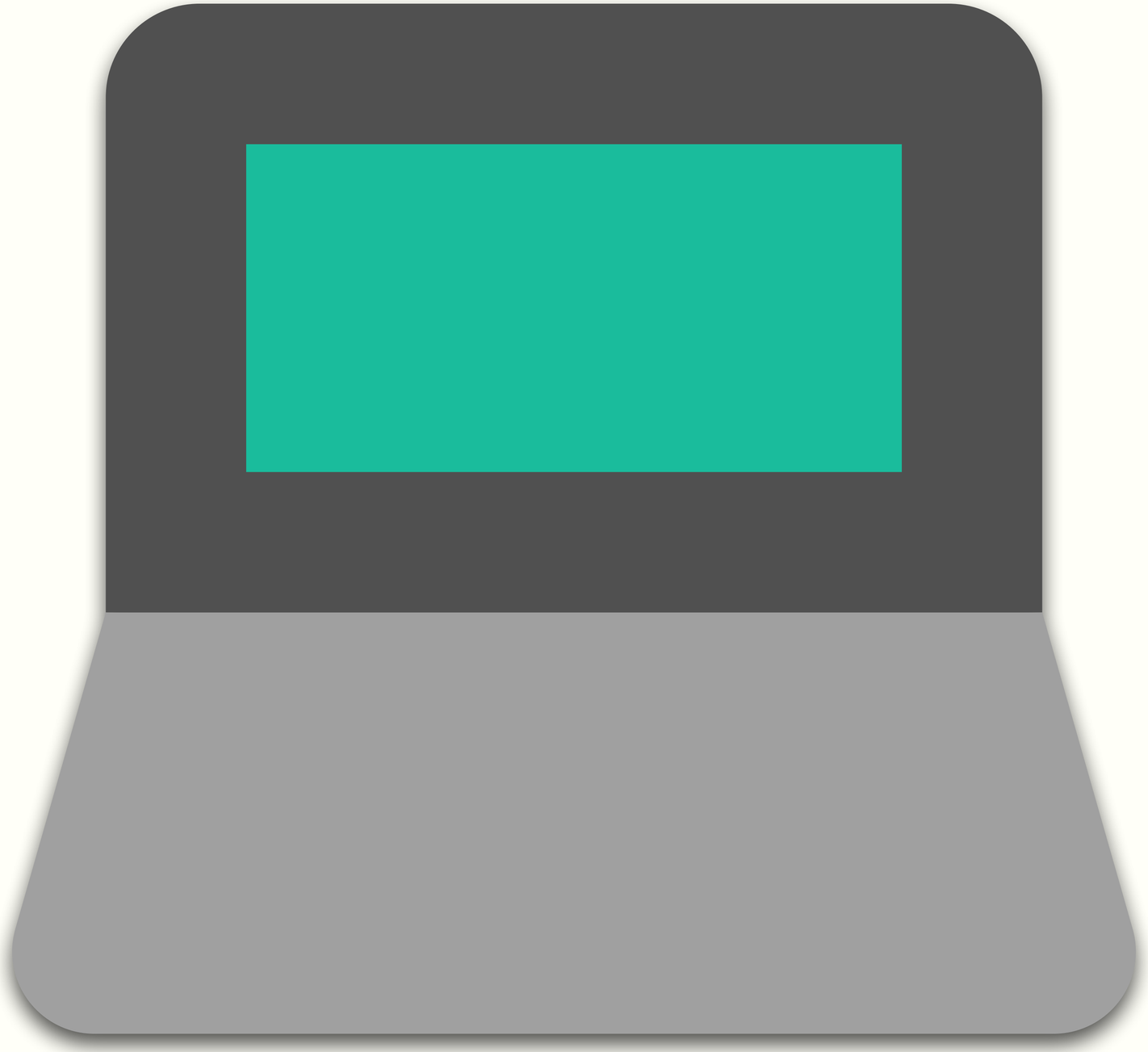
```
[testenv:docs]
basepython = python3.7
extras = docs
commands =
  sphinx-build -W -b html -d {envtmpdir}/doctrees docs docs/_build/html
```

tox.ini

```
[testenv:docs]
basepython = python3.7
extras = docs
commands =
  sphinx-build -W -b html -d {envtmpdir}/doctrees docs docs/_build/html
  sphinx-build -W -b doctest -d {envtmpdir}/doctrees docs docs/_build/html
```

tox.ini

```
[testenv:docs]
basepython = python3.7
extras = docs
commands =
  sphinx-build -W -b html -d {envtmpdir}/doctrees docs docs/_build/html
  sphinx-build -W -b doctest -d {envtmpdir}/doctrees docs docs/_build/html
  python -m doctest README.rst
```



Act 2

Pull Request

.github/PULL_REQUEST_TEMPLATE.md

Write | Preview

Pull Request Check List

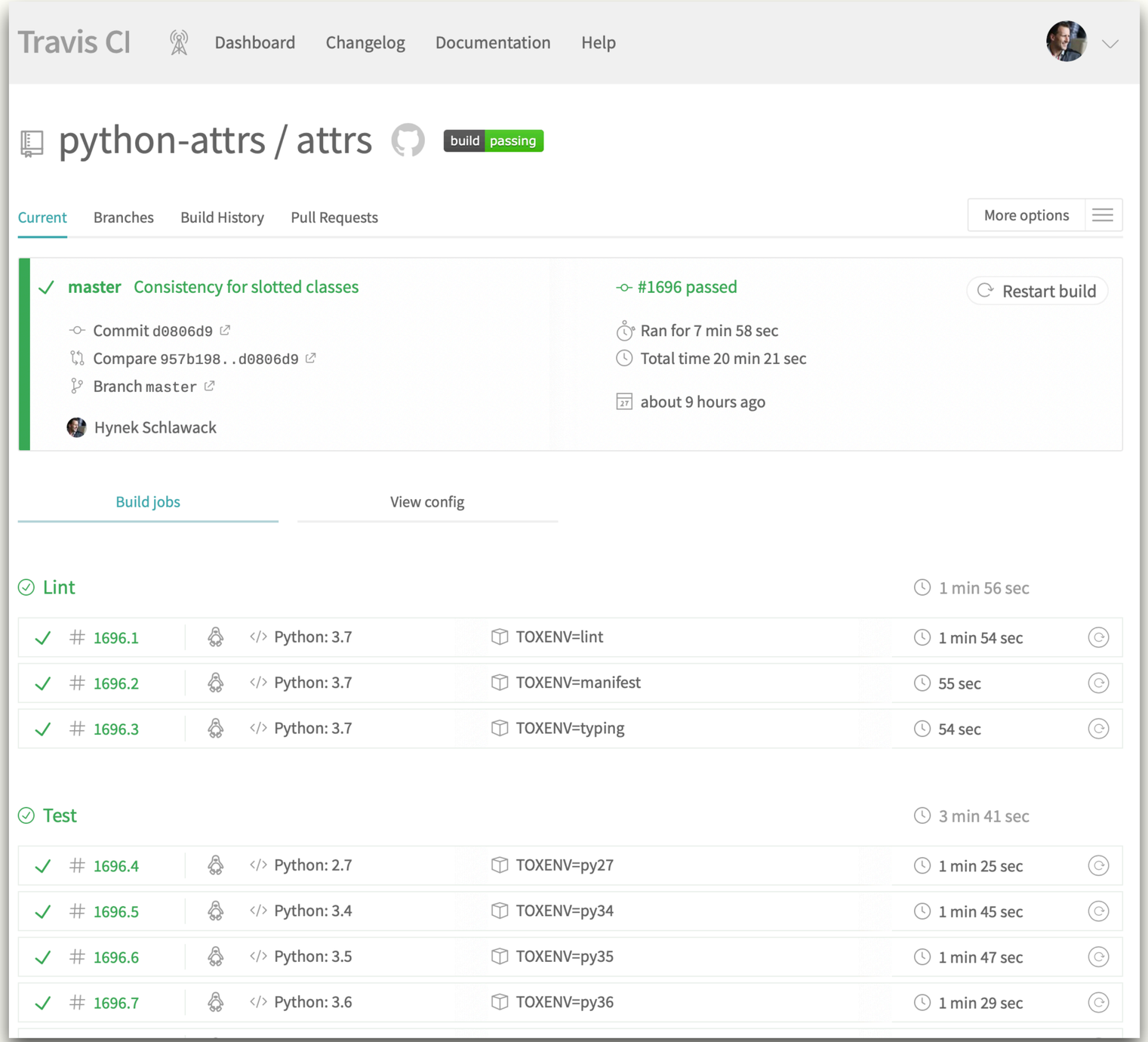
This is just a reminder about the most common mistakes. Please make sure that you tick all *appropriate* boxes. But please read our contribution guide at least once, it will save you unnecessary review cycles!

If an item doesn't apply to your pull request, **check it anyway** to make it apparent that there's nothing to do.

- [ ] Added **tests** for changed code.
- [ ] New features have been added to our Hypothesis testing strategy.
- [ ] Changes or additions to public APIs are reflected in our type stubs (files ending in `.pyi`).
  - [ ] ...and used in the stub test file `tests/typing_example.py`.
- [ ] Updated **documentation** for changed code.
  - [ ] New functions/classes have to be added to `docs/api.rst` by hand.
  - [ ] Changes to the signature of `@attr.s()` have to be added by hand too.
  - [ ] Changed/added classes/methods/functions have appropriate `versionadded`, `versionchanged`, or `deprecated` directives.
- [ ] Documentation in `.rst` files is written using semantic newlines.
- [ ] Changes (and possible deprecations) have news fragments in `changelog.d`.

If you have *any* questions to *any* of the points above, just **submit and ask**! This checklist is here to *help* you, not to deter you from contributing!

@HYNEK


Travis CI
Dashboard
Changelog
Documentation
Help
python-attrs / attrs
build passing
Current
Branches
Build History
Pull Requests
More options
master Consistency for slotted classes
Commit d0806d9
Compare 957b198..d0806d9
Branch master
Hynek Schlawack
#1696 passed
Restart build
Ran for 7 min 58 sec
Total time 20 min 21 sec
about 9 hours ago
Build jobs
View config
Lint
1 min 56 sec
1696.1 Python: 3.7 TOXENV=lint 1 min 54 sec
1696.2 Python: 3.7 TOXENV=manifest 55 sec
1696.3 Python: 3.7 TOXENV=typing 54 sec
Test
3 min 41 sec
1696.4 Python: 2.7 TOXENV=py27 1 min 25 sec
1696.5 Python: 3.4 TOXENV=py34 1 min 45 sec
1696.6 Python: 3.5 TOXENV=py35 1 min 47 sec
1696.7 Python: 3.6 TOXENV=py36 1 min 29 sec

@HYNEK

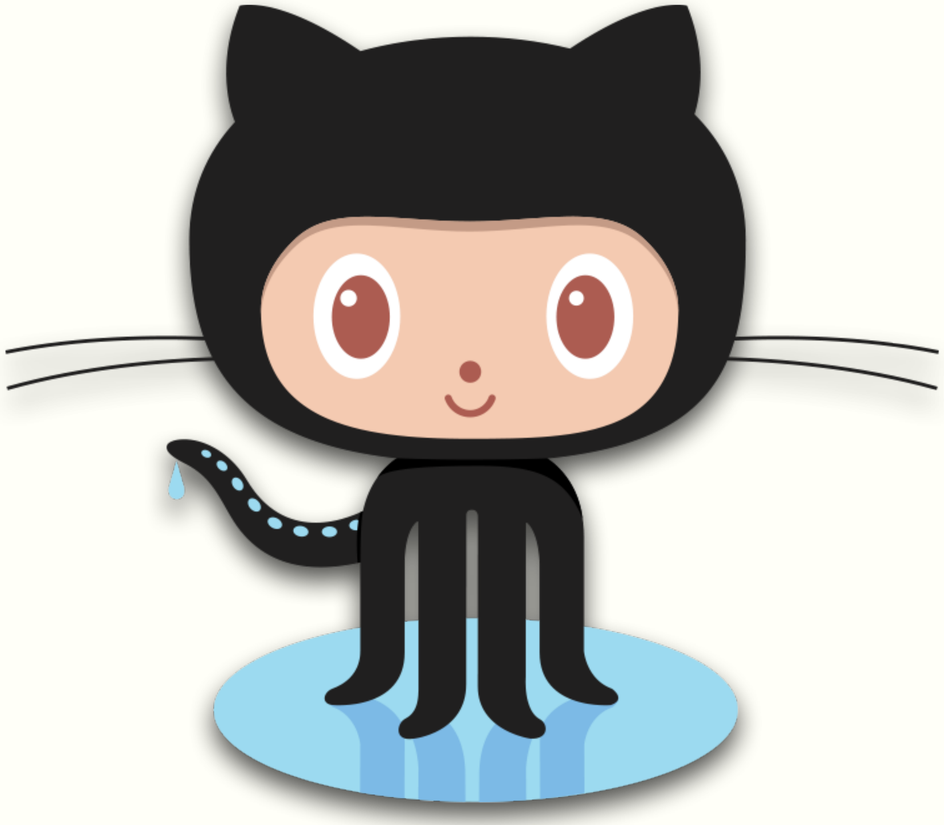
Travis CI joins the Idera family

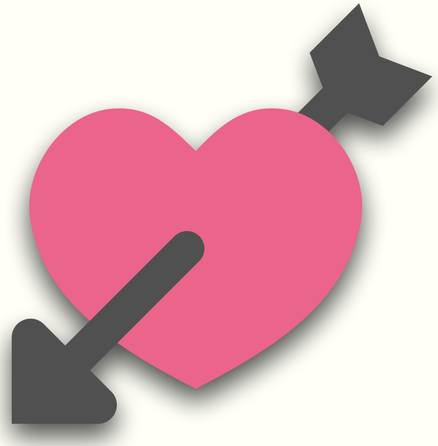
Jan 23, 2019 | Konstantin Haase | NEWS

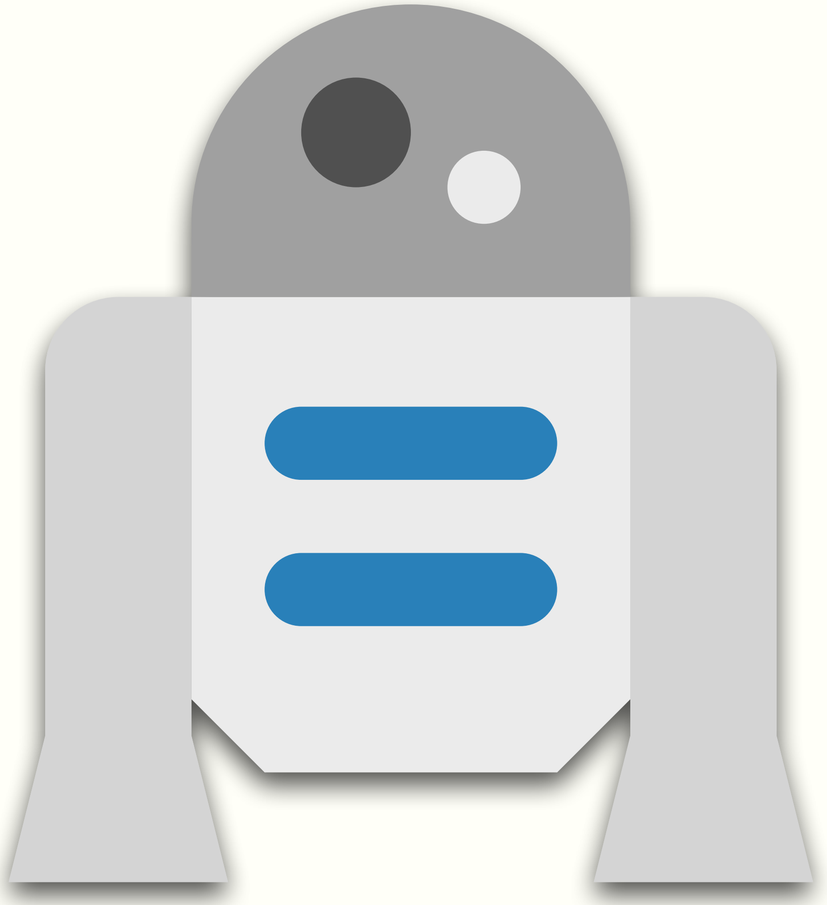
When we started working on a Continuous Integration solution back in 2011, it was hard to imagine what Travis CI would become. Years later, we're still continuously working to make our community and the tech industry better and stronger. Today we are excited to announce that Travis CI has been acquired by Idera, Inc. Idera is the parent company of many software productivity tools and will support us in delivering quality software to all of you, our users.

@HYNEK

#travisAlumns







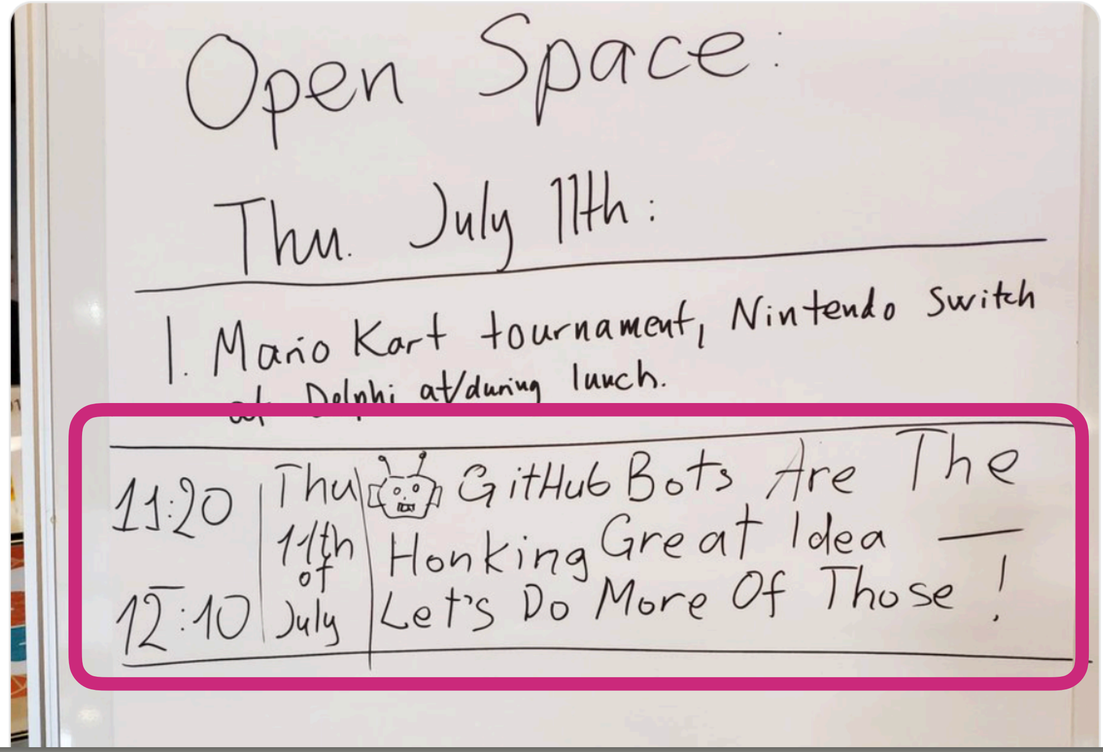
Sviatoslove.py @An...
@webKnjaZ

Follow

Open Space Session tomorrow at 11:20 @ #EuroPython

GitHub Bots are one honking great idea -- let's do more of those!

#EuroPython2019 @europython



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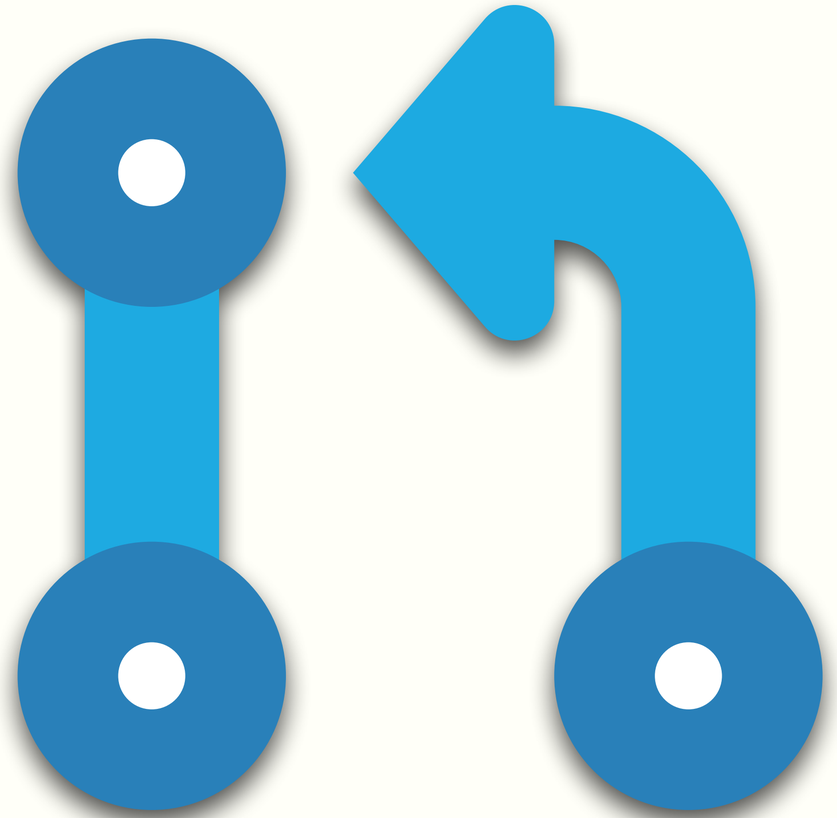

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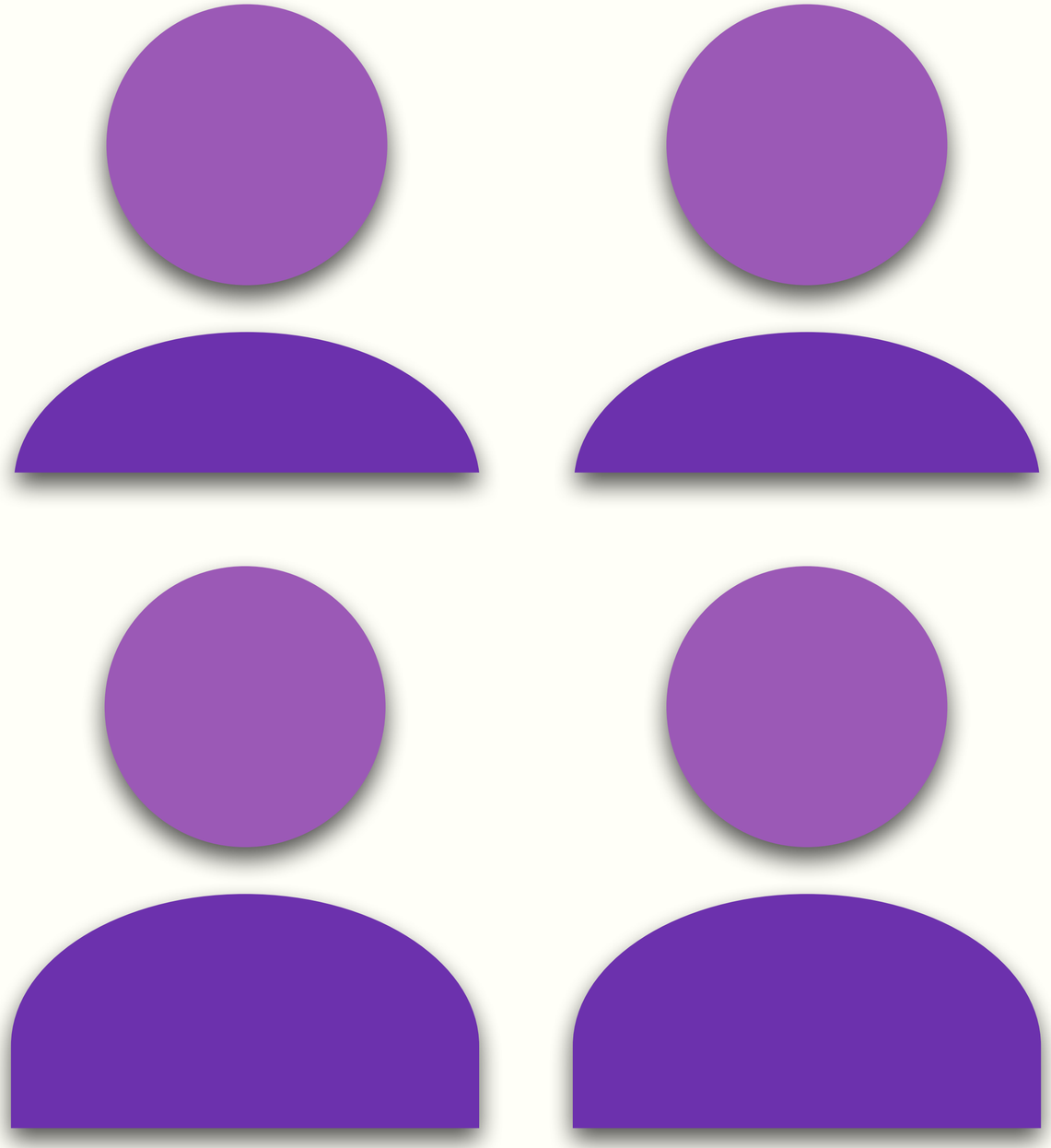
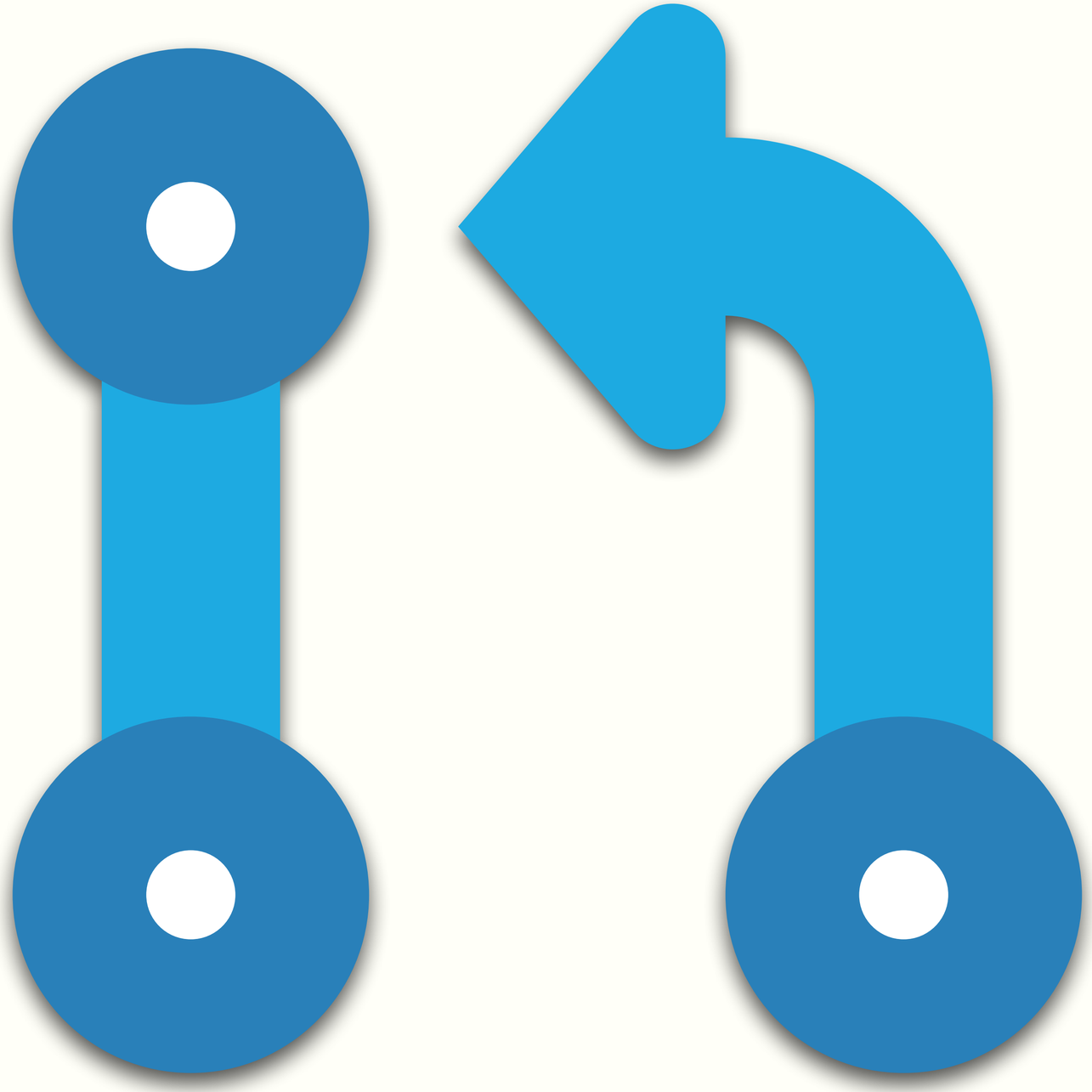


@HYNEK

@HYNEK

stackoverflow



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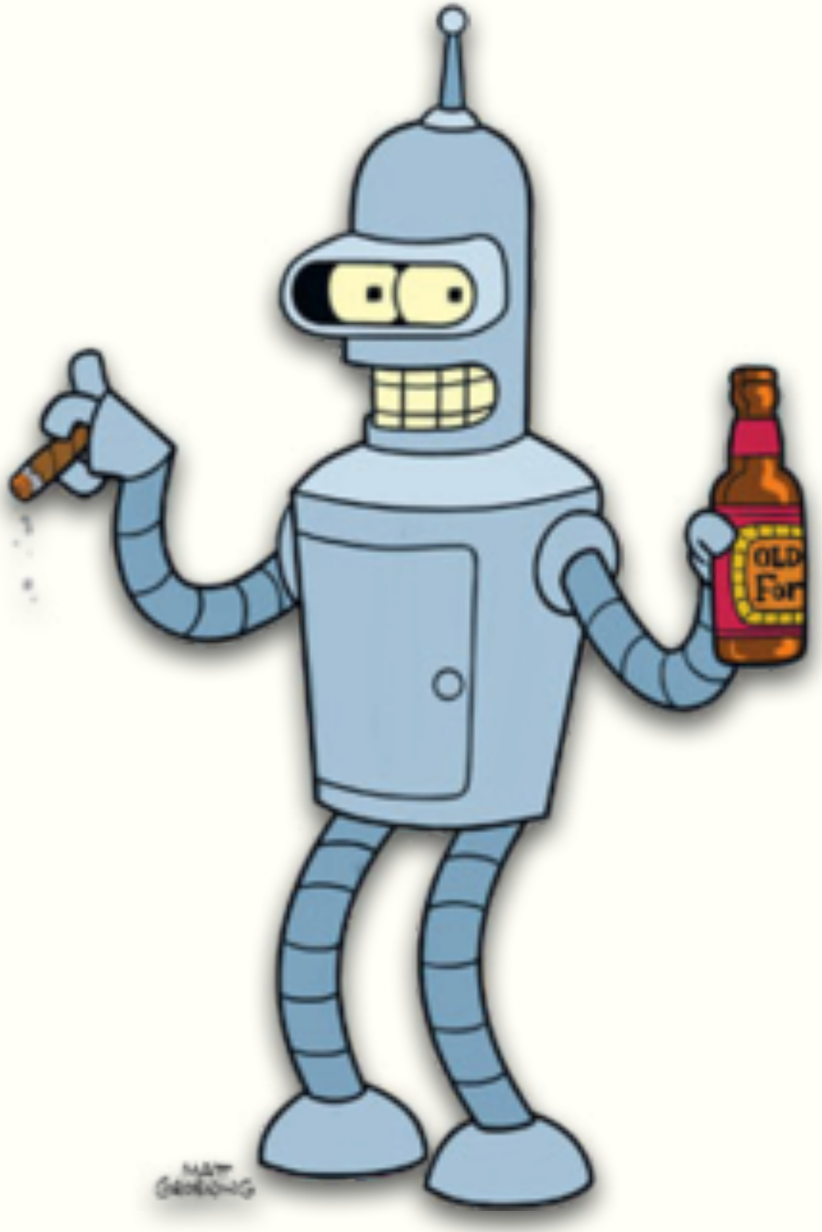
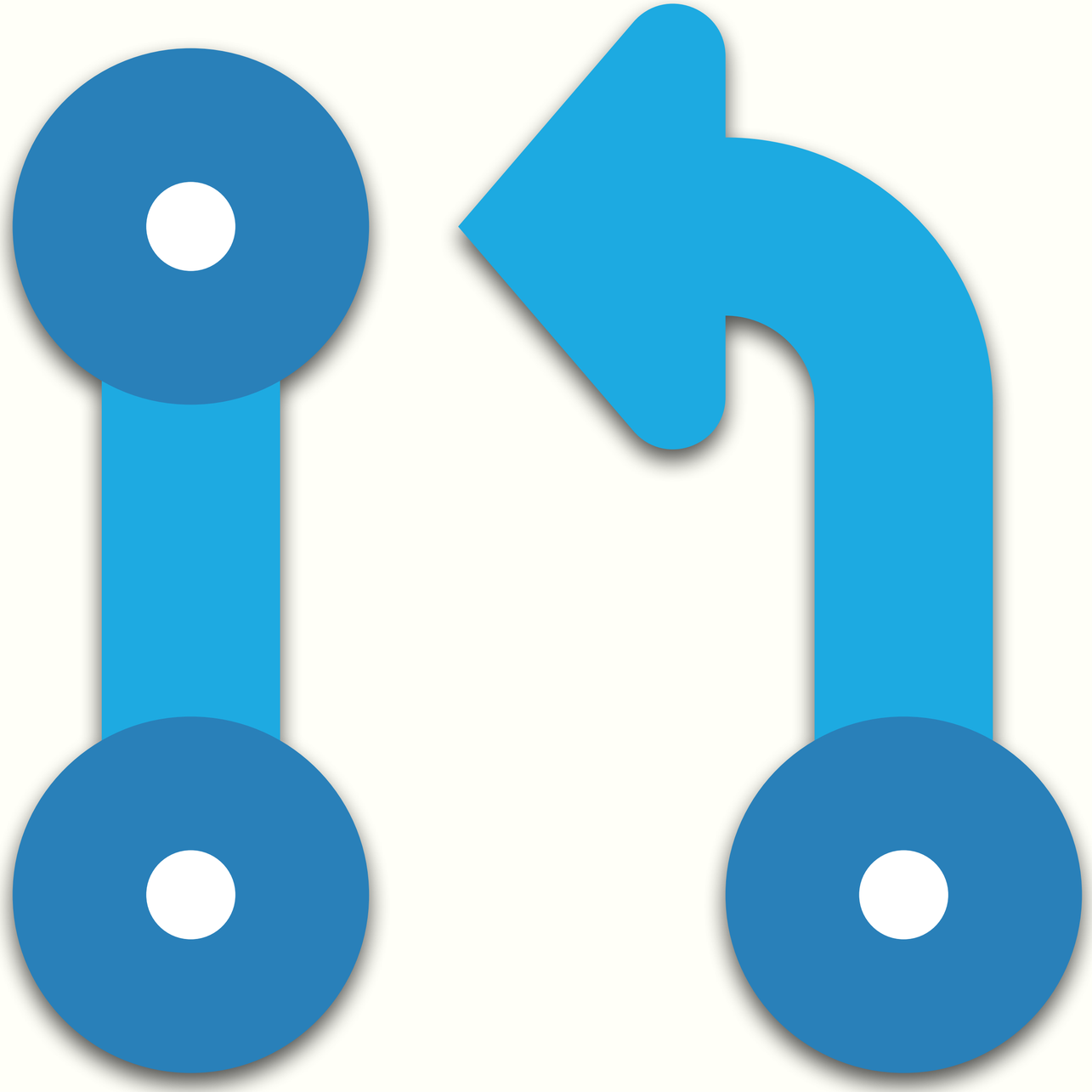
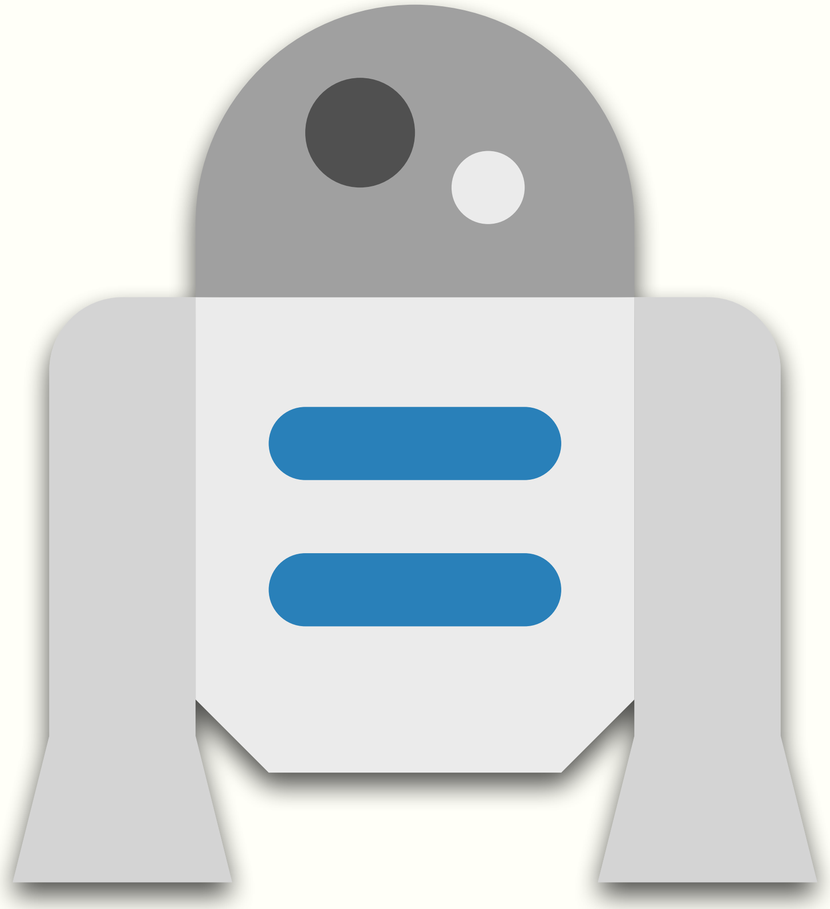


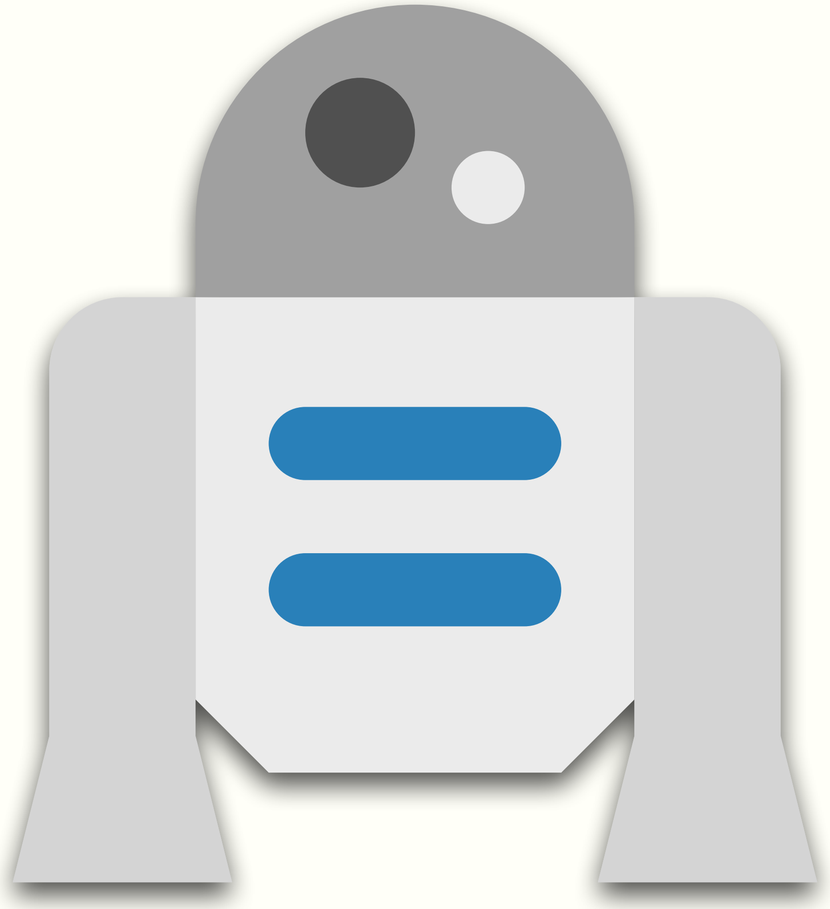


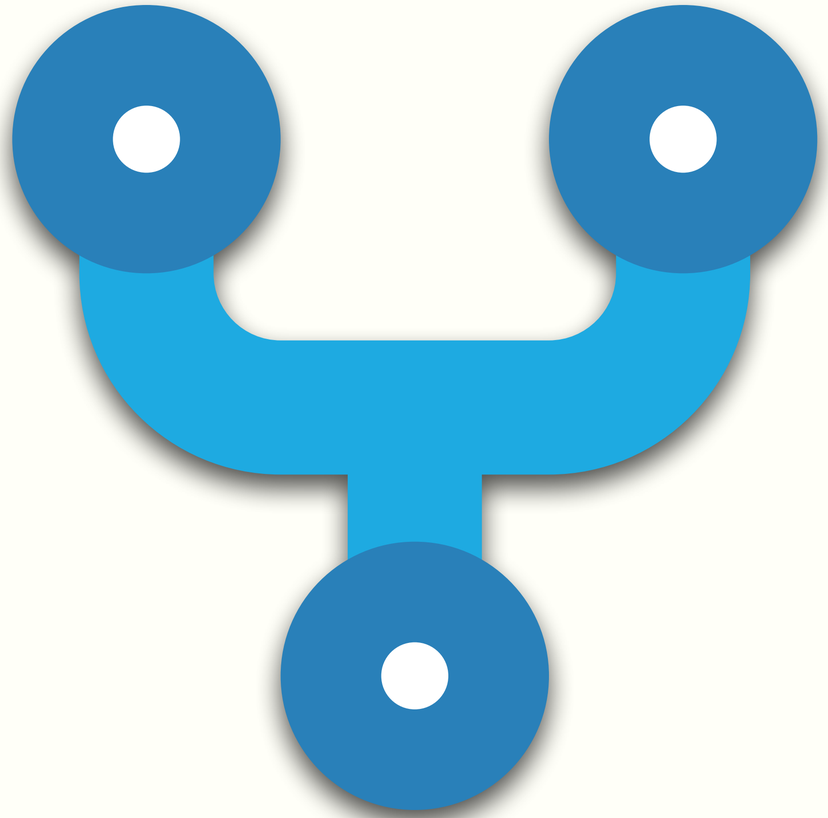
@HYNEK

Act 3

Release







__init__.py

```
__version__ = "19.2.0.dev0"

__title__ = "attrs"
__description__ = "Classes Without Boilerplate"
__url__ = "https://www.attrs.org/"
__doc__ = __description__ + " <" + __uri__ + ">"

__author__ = "Hynek Schlawack"
__email__ = "hs@ox.cx"

__license__ = "MIT"
__copyright__ = "Copyright (c) 2015 Hynek Schlawack"
```

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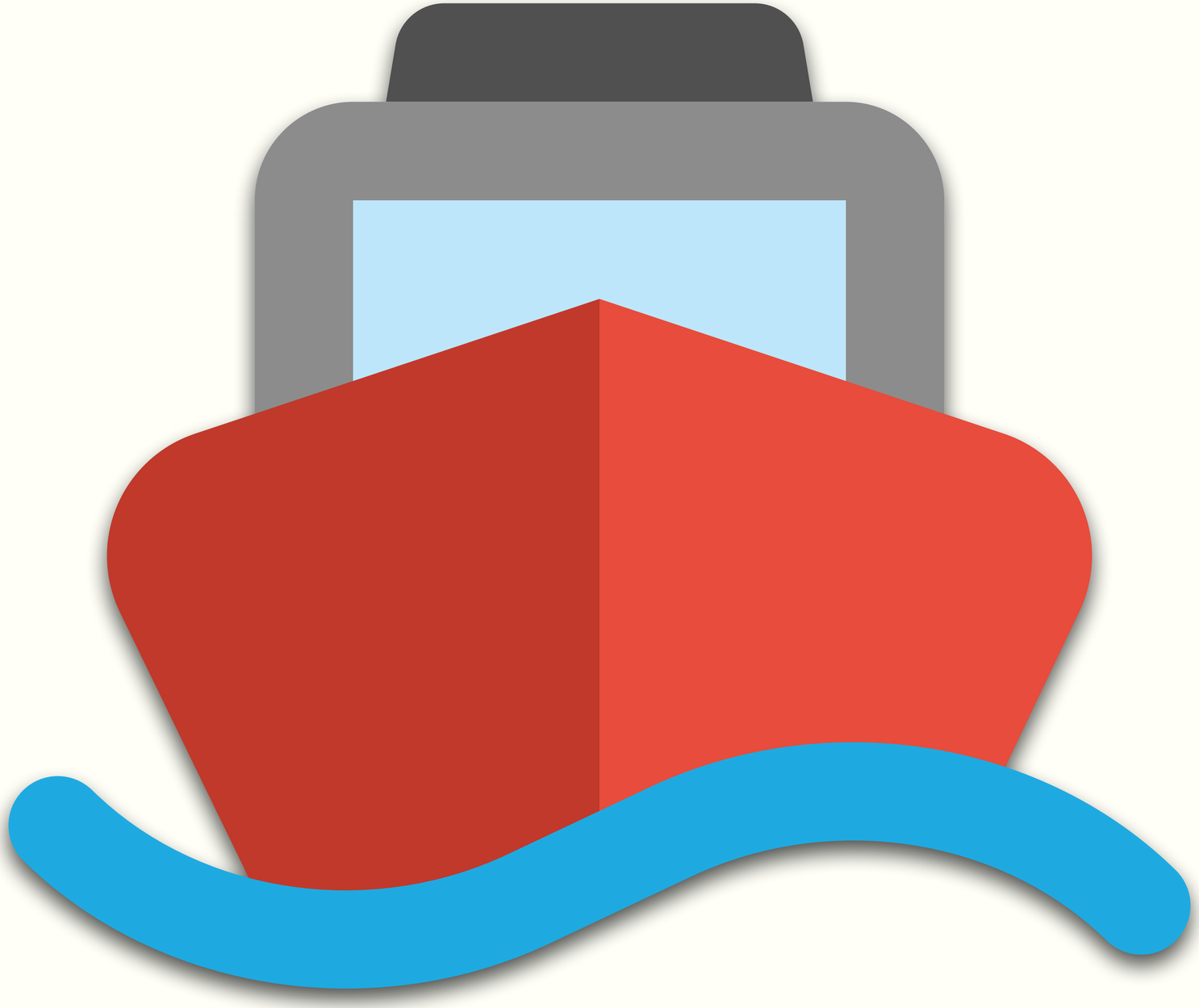

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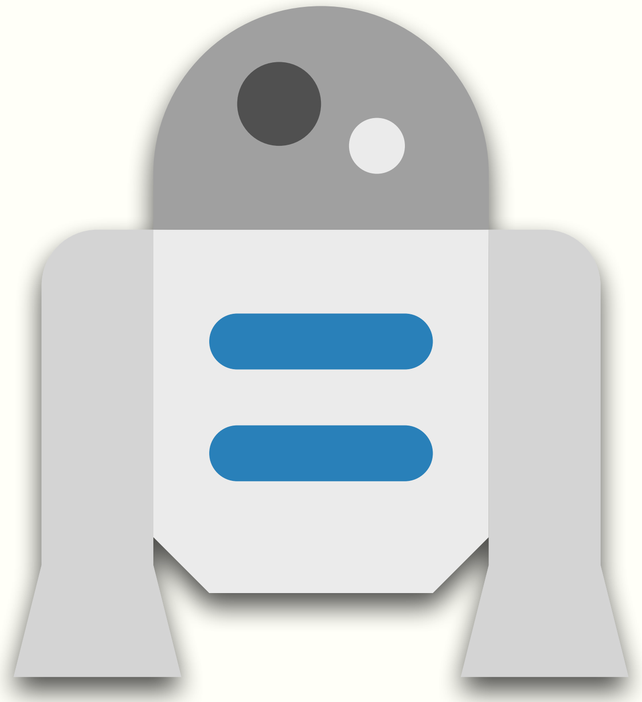

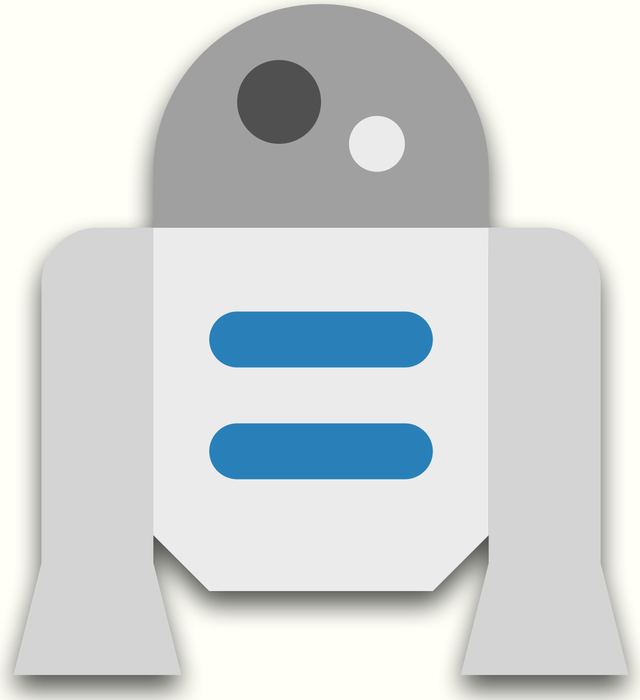

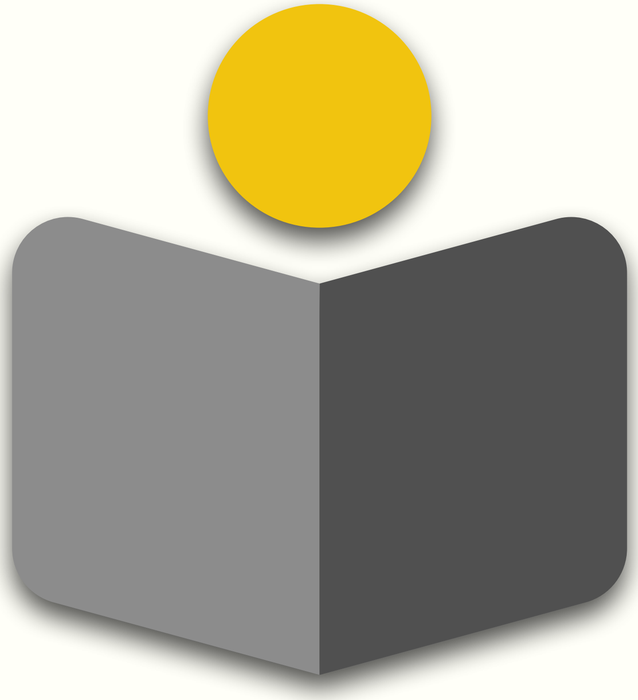

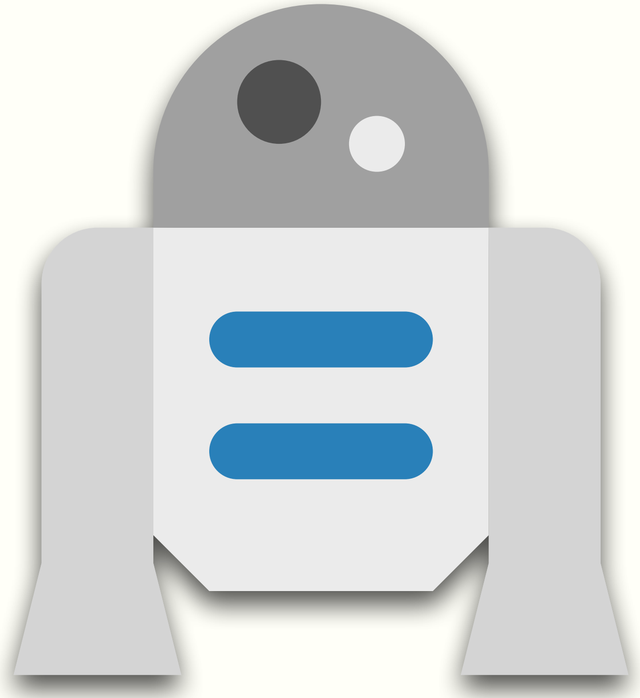

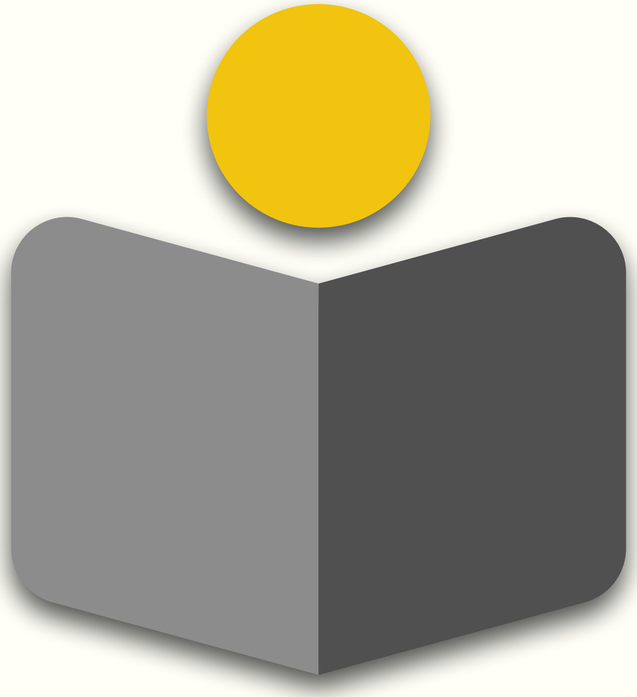

ox.cx/oss

@hynek

vrmd.de