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This code has the following dependencies above and beyond the Python standard library:

httplib2 - MIT License

1.2 prometheus-client 0.8.0

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1.4 jsonschema 2.5.1

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1.5 opentracing-instrumentation 2.4.3

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1.6 opentracing 1.3.0

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1.7 threadloop 1.0.2

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* /opt/ws_local/PERMITS_SQL/1068249083_1594327994.86/0/threadloop-1-0-2-tar-gz/threadloop-1.0.2/PKG-INFO

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1.8 setuptools-scm 3.4.3

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1.9 jaeger-client 3.8.0

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* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/tests/test_metrics.py

* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/jaeger_client/span_context.py

* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/crossdock/server/endoend.py

* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/tests/test_local_agent_net.py

*

/opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/tests/test_codecs.py

* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/jaeger_client/local_agent_net.py

* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/tests/test_sampler.py

* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/jaeger_client/reporter.py

* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/tests/test_config.py

* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/tests/conftest.py

* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/jaeger_client/tracer.py

* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/tests/test_reporter.py

*

/opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/crossdock/server/constants.py

* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/tests/__init__.py

* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/jaeger_client/metrics.py

* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-

3.8.0/tests/test_api.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/jaeger_client/thrift.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/tests/test_tracer.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/tests/test_crossdock.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/tests/test_noop_tracer.py
*
/opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/jaeger_client/constants.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/jaeger_client/sampler.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/jaeger_client/TUDPTTransport.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/tests/test_rate_limiter.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/crossdock/server/server.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/jaeger_client/span.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/tests/test_span.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/crossdock/server/serializer.py
*
/opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/crossdock/server/thriftrw_serializer.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/tests/test_tracer_benchmark.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/tests/test_thrift.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/crossdock/server/__init__.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/jaeger_client/__init__.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/jaeger_client/codecs.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/tests/test_span_context.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/jaeger_client/rate_limiter.py
*
/opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/jaeger_client/ioloop_util.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/tests/test_TUDPTTransport.py

```
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/tests/test_utils.py
```

```
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/jaeger_client/utils.py
```

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We'd love your help!

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We gratefully welcome improvements to documentation as well as to code.

Developing

Jaeger Python client currently only supports Python 2.7.

This repository uses [virtualenv](https://pypi.python.org/pypi/virtualenv) and `pip` to manage dependencies. To install all dependencies, run:

1. `virtualenv env`
2. `source env/bin/activate`
3. `make bootstrap`
4. `make test`

pycurl

On MacOS you may get an error:

```
...
```

```
ImportError: pycurl: libcurl link-time ssl backend (openssl) is different from compile-time ssl backend (none/other)
```

```
...
```

It can be fixed with:

```
...
```

```
pip uninstall pycurl
```

```
pip
```

```
install --install-option="--with-openssl" --install-option="--openssl-dir=/usr/local/opt/openssl" pycurl
```

```
...
```

Making A Change

*Before making any significant changes, please [open an issue](https://github.com/jaegertracing/jaeger-client-

python/issues).*

Discussing your proposed changes ahead of time will make the contribution process smooth for everyone.

Once we've discussed your changes and you've got your code ready, make sure that tests are passing (`make test`) and open your pull request.

Your pull request is most likely to be accepted if it:

- * Includes tests for new functionality.
- * Has a [good commit message](<http://tbagery.com/2008/04/19/a-note-about-git-commit-messages.html>).
- * Each commit is signed by the author ([see below](#sign-your-work)).

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```

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#
```

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```

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#
```

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```
#
```

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express
```

```
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# the License.
```

```
...
```

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- (c) The contribution was provided directly to me by some other person who certified (a), (b) or (c) and I have not modified it.
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...

then you just add a line to every git commit message:

```
Signed-off-by: Joe Smith <joe@gmail.com>
```

using your real name (sorry, no pseudonyms or anonymous contributions.)

You can add the sign off when creating the git commit via ``git commit -s``.

If you want this to be automatic you can set up some aliases:

```
...
git config --add alias.amend "commit -s --amend"
git
config --add alias.c "commit -s"
...
```

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1.10 pymongo 3.10.1

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ISO C9x compliantstdint.h for Microsoft Visual Studio
Based on ISO/IEC 9899:TC2 Committee draft (May 6, 2005) WG14/N1124

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1.11 libyaml 0.2.5

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1.12 hprof2flamegraph 0.0.6

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1.13 click-completion 0.2.1

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1.14 toml 0.9.2

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1.15 pika 0.10.0

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1.16 idna 2.7

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''''

A library to support the Internationalised Domain Names in Applications (IDNA) protocol as specified in RFC 5890 et.al. This new methodology, known as IDNA 2008, can generate materially different results to the previous standard. The library can act as a drop-in replacement for the "encodings.idna" module.

''''


```

import io, sys
from setuptools import setup

def main():

    python_version = sys.version_info[:2]
    if python_version < (2,6):
        raise SystemExit("Sorry, Python 2.6 or newer required")

    package_data = {}
    exec(open('idna/package_data.py').read(), package_data)

    arguments = {
        'name': 'idna',
        'packages': ['idna'],
        'version': package_data['__version__'],
        'description': 'Internationalized Domain Names in Applications (IDNA)',
        'long_description': io.open("README.rst", encoding="UTF-8").read(),
        'author': 'Kim Davies',
        'author_email': 'kim@cynosure.com.au',
        'license': 'BSD-like',
        'url': 'https://github.com/kjd/idna',
        'classifiers': [
            'Development Status :: 5 - Production/Stable',
            'Intended Audience :: Developers',
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            'License :: OSI Approved :: BSD License',
            'Operating System :: OS Independent',
            'Programming Language :: Python',
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            'Programming Language :: Python :: 2.7',
            'Programming Language :: Python :: 3',
            'Programming Language :: Python :: 3.3',
            'Programming Language :: Python :: 3.4',
            'Programming Language :: Python :: 3.5',
            'Programming Language :: Python :: 3.6',
            'Topic :: Internet :: Name Service (DNS)',
            'Topic :: Software Development :: Libraries :: Python Modules',
            'Topic :: Utilities',
        ],
        'test_suite':
    'tests',
    }

    setup(**arguments)

```

```
if __name__ == '__main__':  
    main()
```

Found in path(s):

```
* /opt/cola/permits/1110765725_1606850597.72/0/kjd-idna-v2-7-0-g5d76cb6-1-tar-gz/kjd-idna-77c8bce/setup.py
```

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1.17 async-timeout 3.0.1

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1.18 future 0.18.2

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no

1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
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1.19 pika 0.13.1

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1.21 ipcalc 1.99.0

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1.22 python-json-logger 0.1.5

1.22.1 Available under license :

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Metadata-Version: 1.1
Name: python-json-logger
Version: 0.1.5
Summary: A python library adding a json log formatter
Home-page: <http://github.com/madzak/python-json-logger>
Author: Zakaria Zajac
Author-email: zak@madzak.com
License: BSD
Description: UNKNOWN
Platform: UNKNOWN
Classifier: Development Status :: 3 - Alpha
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: BSD License
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 2.6
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 3.1
Classifier: Programming Language :: Python :: 3.2
Classifier: Programming Language :: Python :: 3.3
Classifier: Programming Language :: Python :: 3.4
Classifier: Topic :: System ::
Logging

Found in path(s):

* /opt/cola/permits/1112217838_1607050024.56/0/python-json-logger-0-1-5-1-tar-gz/python-json-logger-0.1.5/src/python_json_logger.egg-info/PKG-INFO
* /opt/cola/permits/1112217838_1607050024.56/0/python-json-logger-0-1-5-1-tar-gz/python-json-logger-0.1.5/PKG-INFO

No license file was found, but licenses were detected in source scan.

```
import sys
from setuptools import setup, find_packages

if sys.version_info < (2, 6):
    print(sys.stderr, "{}: need Python 2.6 or later.".format(sys.argv[0]))
```

```

print(sys.stderr, "Your Python is {}".format(sys.version))
sys.exit(1)

setup(
    name="python-json-logger",
    version="0.1.5",
    url="http://github.com/madzak/python-json-logger",
    license="BSD",
    description="A python library adding a json log formatter",
    author="Zakaria Zajac",
    author_email="zak@madzak.com",
    package_dir={'': 'src'},
    packages=find_packages("src", exclude="tests"),
    test_suite="tests.tests",
    install_requires=['setuptools'],
    classifiers=[
        'Development Status :: 3 - Alpha',
        'Intended Audience :: Developers',
        'License :: OSI Approved :: BSD License',
        'Operating System :: OS Independent',
        'Programming Language :: Python',
        'Programming Language :: Python
:: 2',
        'Programming Language :: Python :: 2.6',
        'Programming Language :: Python :: 2.7',
        'Programming Language :: Python :: 3',
        'Programming Language :: Python :: 3.1',
        'Programming Language :: Python :: 3.2',
        'Programming Language :: Python :: 3.3',
        'Programming Language :: Python :: 3.4',
        'Topic :: System :: Logging',
    ]
)

Found in path(s):
* /opt/cola/permits/1112217838_1607050024.56/0/python-json-logger-0-1-5-1-tar-gz/python-json-logger-0.1.5/setup.py

```

1.23 influxdb 3.0.0

1.23.1 Available under license :

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1.24 pykube 0.15.0

1.24.1 Available under license :

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Metadata-Version: 1.1

Name: pykube

Version: 0.15.0

Summary: Python client library for Kubernetes

Home-page: <https://github.com/kelproject/pykube>

Author: Eldarion, Inc.

Author-email: development@eldarion.com

License: Apache

Description: pykube

=====
.. image:: <http://slack.kelproject.com/badge.svg>
:target: <http://slack.kelproject.com/>

.. image:: <http://slack.kelproject.com/badge.svg>
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.. image:: <https://img.shields.io/travis/kelproject/pykube.svg>
:target: <https://travis-ci.org/kelproject/pykube>

.. image:: <https://img.shields.io/pypi/dm/pykube.svg>
:target: <https://pypi.python.org/pypi/pykube/>

.. image:: <https://img.shields.io/pypi/v/pykube.svg>
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Python
client library for Kubernetes

```
.. image:: https://storage.googleapis.com/kel-assets/kel_full-02_200.jpg
   :target: http://kelproject.com/
```

Kel is an open source Platform as a Service (PaaS) from Eldarion, Inc. that makes it easy to manage web application deployment and hosting through the entire lifecycle from development through testing to production. It adds components and tools on top of Kubernetes that help developers manage their application infrastructure. Kel builds on Eldarion's 7+ years experience running one of the leading Python and Django PaaSes.

For more information about Kel, see `kelproject.com`, follow us on Twitter `@projectkel`, and join our `Slack team`.

```
.. _kelproject.com: http://kelproject.com/
.. _@projectkel: https://twitter.com/projectkel
.. _Slack team: http://slack.kelproject.com/
```

Features

- * HTTP interface using requests using kubeconfig for authentication
- * Python native querying of Kubernetes API objects

Installation

To install pykubernetes, use pip::

```
pip install pykubernetes
```

Usage

Query for all ready pods in a custom namespace:

```
.. code:: python

import operator
import pykubernetes

api = pykubernetes.HTTPClient(pykubernetes.KubeConfig.from_file("/Users/<username>/kube/config"))
pods = pykubernetes.Pod.objects(api).filter(namespace="gondor-system")
ready_pods = filter(operator.attrgetter("ready"), pods)
```


Selector query:

```
.. code:: python
```

```
 pods = pykube.Pod.objects(api).filter(
     namespace="gondor-system",
     selector={"gondor.io/name__in": {"api-web", "api-worker"}},
 )

 pending_pods = pykube.objects.Pod.objects(api).filter(
     field_selector={"status.phase": "Pending"}
 )
```

Watch query:

```
.. code:: python
```

```
 watch = pykube.Job.objects(
     api,
     namespace="gondor-system")
 .filter(field_selector={"metadata.name": "my-job"})
 .watch()

 # watch is a generator:
 for watch_event in watch:
     print(watch.type) # 'ADDED', 'DELETED', 'MODIFIED'
     print(watch.object) # pykube.Job object
```

Create a ReplicationController:

```
.. code:: python
```

```
 obj = {
     "apiVersion": "v1",
     "kind": "ReplicationController",
     "metadata": {
         "name": "my-rc",
         "namespace": "gondor-system"
     },
     "spec": {

"replicas": 3,
     "selector": {
         "app": "nginx"
     },
     "template": {
         "metadata": {
             "labels": {
```

```

        "app": "nginx"
    }
},
"spec": {
    "containers": [
        {
            "name": "nginx",
            "image": "nginx",
            "ports": [
                {"containerPort": 80}
            ]
        }
    ]
}
}
}
}
pykube.ReplicationController(api, obj).create()

```

Delete a ReplicationController:

.. code:: python

```

obj = {
    "apiVersion": "v1",
    "kind": "ReplicationController",
    "metadata": {
        "name": "my-rc",
        "namespace": "gondor-system"
    }
}
pykube.ReplicationController(api, obj).delete()

```

Check server version:

.. code:: python

```

api = pykube.HTTPClient(pykube.KubeConfig.from_file("/Users/<username>/.kube/config"))
api.version

```

Requirements

- * Python 2.7 or 3.3+
- * requests (included in ``install_requires``)
- * PyYAML (included in ``install_requires``)

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Platform: UNKNOWN

Classifier: Development Status :: 3 - Alpha

Classifier: Environment :: Web Environment

Classifier: Intended Audience :: Developers

Classifier: License :: OSI Approved :: Apache Software License

Classifier: Operating System :: OS

Independent

Classifier: Programming Language :: Python

Found in path(s):

* /opt/cola/permits/1112217860_1607050221.91/0/pykube-0-15-0-1-tar-gz/pykube-0.15.0/PKG-INFO

* /opt/cola/permits/1112217860_1607050221.91/0/pykube-0-15-0-1-tar-gz/pykube-0.15.0/pykube.egg-info/PKG-INFO

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* /opt/cola/permits/1112217860_1607050221.91/0/pykube-0-15-0-1-tar-gz/pykube-0.15.0/README.rst

1.25 uvloop 0.7.0

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1.26 python-etcd 0.4.5

1.26.1 Available under license :

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Metadata-Version: 1.1

Name: python-etcd

Version: 0.4.5

Summary: A python client for etcd

Home-page: <http://github.com/jplana/python-etcd>

Author: Jose Plana

Author-email: jplana@gmail.com

License: MIT

Description: python-etcd documentation

=====

A python client for Etcd <https://github.com/coreos/etcd>

Official documentation: <http://python-etcd.readthedocs.org/>

.. image:: <https://travis-ci.org/jplana/python-etcd.png?branch=master>

:target: <https://travis-ci.org/jplana/python-etcd>

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:target: <https://coveralls.io/github/jplana/python-etcd?branch=master>

Installation

Pre-requirements

~~~~~

This version of python-etcd will only work correctly with the etcd server version 2.0.x or later. If you are running an older version of etcd, please use python-etcd 0.3.3 or earlier.

This client is known to work with python 2.7 and with python 3.3 or above. It is not tested or expected to work in more outdated versions of python.

From source

~~~~~

.. code:: bash

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

Usage

The basic methods of the client have changed compared to previous versions, to reflect the new API structure; however a compatibility layer has been maintained so that you don't necessarily need to rewrite all your existing code.

Create a client object

~~~~~

.. code:: python

```
import etcd
```

```
client = etcd.Client() # this will create a client against etcd server running on localhost on port 4001
```

```
client = etcd.Client(port=4002)
client = etcd.Client(host='127.0.0.1', port=4003)
client = etcd.Client(host=('127.0.0.1', 4001), ('127.0.0.1', 4002), ('127.0.0.1', 4003))
client = etcd.Client(host='127.0.0.1', port=4003, allow_redirect=False) # wont let you run sensitive
commands on non-leader machines, default is true
# If you have defined a SRV record for _etcd._tcp.example.com pointing to the clients
client = etcd.Client(srv_domain='example.com', protocol="https")
# create a client against https://api.example.com:443/etcd
client = etcd.Client(host='api.example.com', protocol='https', port=443, version_prefix='/etcd')
```

Write a key

~~~~~

```
.. code:: python
```

```
client.write('/nodes/n1', 1)
# with ttl
client.write('/nodes/n2', 2, ttl=4) # sets the ttl to 4 seconds
client.set('/nodes/n2', 1) # Equivalent,
```

for compatibility reasons.

Read a key

~~~~~

```
.. code:: python
```

```
client.read('/nodes/n2').value
client.read('/nodes', recursive = True) #get all the values of a directory, recursively.
client.get('/nodes/n2').value
```

```
# raises etcd.EtcdKeyNotFound when key not found
```

```
try:
```

```
    client.read('/invalid/path')
```

```
except etcd.EtcdKeyNotFound:
```

```
    # do something
```

```
    print "error"
```

Delete a key

~~~~~

```
.. code:: python
```

```
client.delete('/nodes/n1')
```

Atomic Compare and Swap

~~~~~

.. code:: python

```
client.write('/nodes/n2', 2, prevValue = 4) # will set /nodes/n2 's value to 2 only if its previous value was 4
and
client.write('/nodes/n2', 2, prevExist = False) # will set /nodes/n2
's value to 2 only if the key did not exist before
client.write('/nodes/n2', 2, prevIndex = 30) # will set /nodes/n2 's value to 2 only if the key was last modified
at index 30
client.test_and_set('/nodes/n2', 2, 4) #equivalent to client.write('/nodes/n2', 2, prevValue = 4)
```

You can also atomically update a result:

.. code:: python

```
result = client.read('/foo')
print(result.value) # bar
result.value += u'bar'
updated = client.update(result) # if any other client wrote '/foo' in the meantime this will fail
print(updated.value) # barbar
```

## Watch a key

~~~~~

.. code:: python

```
client.read('/nodes/n1', wait = True) # will wait till the key is changed, and return once its changed
client.read('/nodes/n1', wait = True, timeout=30) # will wait till the key is changed, and return once its
changed,
or exit with an exception after 30 seconds.
client.read('/nodes/n1', wait = True, waitIndex = 10) # get all changes on this key starting from index 10
client.watch('/nodes/n1') #equivalent to client.read('/nodes/n1', wait = True)
client.watch('/nodes/n1', index = 10)
```

Refreshing key TTL

~~~~~

(Since etcd 2.3.0) Keys in etcd can be refreshed without notifying current watchers.

This can be achieved by setting the refresh to true when updating a TTL.

You cannot update the value of a key when refreshing it.

.. code:: python

```
client.write('/nodes/n1', 'value', ttl=30) # sets the ttl to 30 seconds
```

```
client.refresh('/nodes/n1', ttl=600) # refresh ttl to 600 seconds, without notifying current watchers
```

## Locking module

~~~~~

```
.. code:: python
```

```
# Initialize
the lock object:
# NOTE: this does not acquire a lock yet
client = etcd.Client()
# Or you can custom lock prefix, default is '/_locks/' if you are using HEAD
client = etcd.Client(lock_prefix='/my_etcd_root/_locks')
lock = etcd.Lock(client, 'my_lock_name')

# Use the lock object:
lock.acquire(blocking=True, # will block until the lock is acquired
             lock_ttl=None) # lock will live until we release it
lock.is_acquired # True
lock.acquire(lock_ttl=60) # renew a lock
lock.release() # release an existing lock
lock.is_acquired # False

# The lock object may also be used as a context manager:
client = etcd.Client()
with etcd.Lock(client, 'customer1') as my_lock:
    do_stuff()
    my_lock.is_acquired # True
    my_lock.acquire(lock_ttl=60)
    my_lock.is_acquired
# False
```

Get machines in the cluster

~~~~~

```
.. code:: python
```

```
client.machines
```

## Get leader of the cluster

~~~~~

```
.. code:: python
```

```
client.leader
```

```
Generate a sequential key in a directory
```

```
~~~~~  
  
.. code:: python  
  
    x = client.write("/dir/name", "value", append=True)  
    print("generated key: " + x.key)  
    print("stored value: " + x.value)
```

List contents of a directory

```
~~~~~  
  
.. code:: python  
  
    #stick a couple values in the directory  
    client.write("/dir/name", "value1", append=True)  
    client.write("/dir/name", "value2", append=True)  
  
    directory = client.get("/dir/name")  
  
    # loop through directory children  
    for result in directory.children:  
        print(result.key + ": " + result.value)  
  
    # or just get the first child value  
    print(directory.children.next().value)
```

Development setup

To create a buildout,

```
.. code:: bash  
  
    $ python bootstrap.py  
    $ bin/buildout
```

to test you should have etcd available in your system path:

```
.. code:: bash  
  
    $ bin/test
```

to generate documentation,

```
.. code:: bash  
  
    $ cd docs
```

\$ make

Release HOWTO

To make a release

- 1) Update release date/version in NEWS.txt and setup.py
- 2) Run 'python setup.py sdist'
- 3) Test the generated source distribution in dist/

- 4) Upload to PyPI: 'python setup.py sdist register upload'

News

====

0.4.5

Release date: 3-Mar-2017

- * Remove dnspython2/3 requirement
- * Change property name setter in lock
- * Fixed acl tests
- * Added version/cluster_version properties to client
- * Fixes in lock when used as context manager
- * Fixed improper usage of urllib3 exceptions
- * Minor fixes for error classes
- * In lock return modifiedIndex to watch changes
- * In lock fix context manager exception handling
- * Improvements to the documentation
- * Remove _base_uri only after refresh from cluster
- * Avoid double update of _machines_cache

0.4.4

Release date: 10-Jan-2017

- * Fix some tests
 - * Use sys.version_info tuple, instead of named tuple
 - * Improve & fix documentation
 - * Fix python3
- specific problem when blocking on contented lock
- * Add refresh key method
 - * Add custom lock prefix support

0.4.3

Release date: 14-Dec-2015

- * Fix check for parameters in case of connection error
- * Python 3.5 compatibility and general python3 cleanups
- * Added authentication and module for managing ACLs
- * Added srv record-based DNS discovery
- * Fixed (again) logging of cluster id changes
- * Fixed leader lookup
- * Properly retry request on exception
- * Client: clean up open connections when deleting

0.4.2

Release date: 8-Oct-2015

- * Fixed lock documentation
- * Fixed lock sequences due to etcd 2.2 change
- * Better exception management during response processing
- * Fixed logging of cluster ID changes
- * Fixed subtree results
- * Do not check cluster ID if etcd responses don't contain the ID
- * Added a cause to EtcdConnectionFailed

0.4.1

Release date: 1-Aug-2015

- * Added client-side leader election
- * Added stats endpoints
- * Added logging
- * Better exception handling
- * Check for cluster ID on each request
- * Added etcd.Client.members and fixed etcd.Client.leader
- * Removed locking and election etcd support
- * Allow the use of etcd proxies with reconnections
- * Implement pop: Remove key from etc and return the corresponding value.
- * Eternal watcher can be now recursive
- * Fix etcd.Client machines
- * Do not send parameters with `None` value to etcd
- * Support ttl=0 in write.
- * Moved pyOpenSSL into test requirements.
- * Always set certificate information so redirects from http to https work.

0.3.3

Release date: 12-Apr-2015

- * Forward leaves_only value in get_subtree() recursive calls
- * Fix README prevExists->prevExist
- * Added configurable version_prefix
- * Added support for recursive watch
- * Better error handling support (more detailed exceptions)
- * Fixed some unreliable tests

0.3.2

Release date: 4-Aug-2014

- * Fixed generated documentation version.

0.3.1

Release date: 4-Aug-2014

- * Added consisten read option
- * Fixed timeout parameter in read()
- * Added atomic delete parameter support
- * Fixed delete behaviour
- * Added update method that allows atomic updated on results
- * Fixed checks on write()
- * Added leaves generator to EtcResult and get_subtree for recursive fetch
- * Added etcd_index to EtcResult
- * Changed eternal -> eternal
- * Updated
urllib3 & pyOpenSSL libraries
- * Several performance fixes
- * Better parsing of etcd_index and raft_index
- * Removed duplicated tests
- * Added several integration and unit tests
- * Use etcd v0.3.0 in travis
- * Execute test using `python setup.py test` and nose

0.3.0

Release date: 18-Jan-2014

- * API v2 support
- * Python 3.3 compatibility

0.2.1

Release data: 30-Nov-2013

- * SSL support
- * Added support for subdirectories in results.
- * Improve test
- * Added support for reconnections, allowing death node tolerance.

0.2.0

Release date: 30-Sep-2013

- * Allow fetching of multiple keys (sub-nodes)

0.1

Release date: 18-Sep-2013

*

Initial release

Keywords: etcd raft distributed log api client

Platform: UNKNOWN

Classifier: Topic :: System :: Distributed Computing

Classifier: Topic :: Software Development :: Libraries

Classifier: License :: OSI Approved :: MIT License

Classifier: Programming Language :: Python :: 2

Classifier: Programming Language :: Python :: 3

Classifier: Topic :: Database :: Front-Ends

Found in path(s):

* /opt/cola/permits/1112217808_1607049972.97/0/python-etcd-0-4-5-1-tar-gz/python-etcd-

0.4.5/src/python_etcd.egg-info/PKG-INFO

* /opt/cola/permits/1112217808_1607049972.97/0/python-etcd-0-4-5-1-tar-gz/python-etcd-0.4.5/PKG-INFO

No license file was found, but licenses were detected in source scan.

from setuptools import setup, find_packages

```

import sys, os

here = os.path.abspath(os.path.dirname(__file__))
README = open(os.path.join(here, 'README.rst')).read()
NEWS = open(os.path.join(here, 'NEWS.txt')).read()

version = '0.4.5'

install_requires = [
    'urllib3>=1.7.1',
    'dnspython>=1.13.0'
]

test_requires = [
    'mock',
    'nose',
    'pyOpenSSL>=0.14'
]

setup(
    name='python-etcd',
    version=version,
    description="A python client for etcd",
    long_description=README + '\n\n' + NEWS,
    classifiers=[
        "Topic :: System :: Distributed Computing",
        "Topic :: Software Development :: Libraries",
        "License :: OSI Approved :: MIT License",
        "Programming Language :: Python :: 2",
        "Programming Language :: Python :: 3",
        "Topic :: Database :: Front-Ends",
    ],
    keywords='etcd raft distributed log api client',
    author='Jose Plana',
    author_email='jplana@gmail.com',
    url='http://github.com/jplana/python-etcd',
    license='MIT',
    packages=find_packages('src'),
    package_dir = {'': 'src'},
    include_package_data=True,
    zip_safe=False,
    install_requires=install_requires,
    tests_require=test_requires,
    test_suite='nose.collector',
)

```

Found in path(s):

1.27 monotonic 1.1

1.27.1 Available under license :

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1.28 pyformance 0.3.4

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1.30 dns-python 1.16.0

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1.31 multidict 4.7.6

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1.32 futures 3.1.1

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1.33 jsonschema 3.0.1

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1.34 cert-validator 1.5.5

1.34.1 Available under license :

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Metadata-Version: 2.0
Name: cert-validator
Version: 1.5.5
Summary: Certificate Validation Service (1.5.5)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: asn1crypto
Requires-Dist: certvalidator
Requires-Dist: oscrypto
Requires-Dist: pyOpenSSL

Installation

- + Works with: python 2 and 3 both
- + This is python certificate validator
- + Usage:

```
from cert_validator import CertValidator
```

```
cert_val_obj = CertValidator(<hostname>, <host_port>, revocation_mode,  
                             logger_handle, proxies=<dict>)
```

```
if cert_val_obj.connect():  
    if cert_val_obj.validate():  
        print("validation succesfull")  
    else:  
        print("validation failed !!!")  
else:  
    print("cannot connect to host")
```

- + Default values: host_port : 443 Integer
revocation_mode: "require"
str # certificate must have crl or ocsp in it
- available values: "soft-fail", "hard-fail", "require"
logger_handle = <None> logger_object
proxies = <None>, pass dictionary of proxies as
{ "https" : <https_proxy_url>,
 "http" : <http_proxy_url>
}

- + Exception handelling: socket error for connection

Found in path(s):

* /opt/cola/permits/1124962236_1611254838.76/0/cert-validator-1-5-5-dist-info-

1.35 certvalidator 0.11.1

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1.36 aiohttp 3.7.4

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1.37 telemetry-agent 1.5.0

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Metadata-Version: 2.1
Name: telemetry-agent
Version: 1.5.0
Summary: Maglev Telemetry Agent (1.5.0)
Home-page: UNKNOWN
License: UNKNOWN
Platform: manylinux1_x86_64
Requires-Dist: setuptools-rust
Requires-Dist: maglev-common (~=1.7.0)
Requires-Dist: maglev-api (~=1.7.0)
Requires-Dist: maglev-internal-api (~=1.7.0)

Requires-Dist: maglev-appserver (~=1.8.0)

Requires-Dist: cert-validator (~=1.5.0)

Requires-Dist: urllib3 (>=1.25.9)

Installation

+ Requires : Python 3.5 download the dmg and install, use pyenv to create a virtual environment

Testing

TEST_MODE=true START MOCK=True SERVER_NAME=telemetry_agent python -m telemetry_agent
SERVER_NAME=telemetry_agent pytest -s tests/

Found in path(s):

* /opt/cola/permits/1155096251_1626370123.6/0/telemetry-agent-1-5-0-dist-info-
zip/telemetry_agent_extracted/telemetry_agent-1.5.0-py3-none-any.whl_extracted/telemetry_agent-1.5.0.dist-
info/METADATA

1.38 python-json-logger 0.1.11

1.38.1 Available under license :

Format: <https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: python-json-logger

Source: <https://github.com/madzak/python-json-logger>

Files: *

Copyright: 2011-2018 Zakaria Zajac <madzak42@gmail.com>

License: BSD-2-Clause

Files: debian/*

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1.39 Jinja2 2.8

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;;; jinja.el --- Jinja mode highlighting

;;

;; Author: Georg Brandl

;; Copyright: (c) 2009 by the Jinja Team

;; Last modified: 2008-05-22 23:04 by gbr

;;

.....

;;

;;; Commentary:

;;

;; Mostly ripped off django-mode by Lennart Borgman.

;;

.....

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1.40 markupsafe 1.1.1

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/**

* markupsafe._speedups

* ~~~~~

*

* C implementation of escaping for better performance. Used instead of
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1.41 click 6.6

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1.42 importlib-metadata 4.5.0

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1.43 uvloop 0.14.0

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1.44 contextlib2 21.6.0

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Release	Derived from	Year	Owner	GPL-compatible? (1)
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1.1	2010	PSF	yes
3.1.3	3.1.2	2010	PSF	yes
3.1.4	3.1.3	2011	PSF	yes
3.2	3.1	2011	PSF	yes
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1.45 backports.zoneinfo 0.2.1

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1.46 zipp 3.6.0

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1.47 pytz 2021.3

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1.48 cachetools 4.2.4

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1.49 pytz-deprecation-shim 0.1.0.post0

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1.50 wrapt 1.13.3

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1.51 thrift 0.15.0

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lib/erl/src/Makefile.am

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For the aclocal/ax_boost_base.m4 and contrib/fb303/aclocal/ax_boost_base.m4 components:

```
# Copyright (c) 2007 Thomas Porschberg <thomas@randspringer.de>
#
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# modification, are permitted in any medium without royalty provided
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```

For the lib/nodejs/lib/thrift/json_parse.js:

```
/*  
  json_parse.js  
  2015-05-02  
  Public Domain.  
  NO WARRANTY EXPRESSED OR IMPLIED. USE AT YOUR OWN RISK.  
  
*/  
(By Douglas Crockford <douglas@crockford.com>)
```

For lib/cpp/src/thrift/windows/SocketPair.cpp

```
/* socketpair.c  
 * Copyright 2007 by Nathan C. Myers <ncm@cantrip.org>; some rights reserved.  
 * This code is Free Software. It may be copied freely, in original or  
 * modified form, subject only to the restrictions that (1) the author is  
 * relieved from all responsibilities for any use for any purpose, and (2)  
 * this copyright notice must  
   be retained, unchanged, in its entirety. If  
 * for any reason the author might be held responsible for any consequences  
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*/
```

For lib/py/compat/win32/stdint.h

```
// ISO C9x compliantstdint.h for Microsoft Visual Studio  
// Based on ISO/IEC 9899:TC2 Committee draft (May 6, 2005) WG14/N1124  
//  
// Copyright (c) 2006-2008 Alexander Chemeris  
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//
////////////////////////////////////
```

Codegen template

in t_html_generator.h

* Bootstrap v2.0.3

*

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*

* Designed and built with all the love in the world @twitter by @mdo and @fat.

For t_cl_generator.cc

* Copyright (c) 2008- Patrick Collison <patrick@collison.ie>

* Copyright (c) 2006- Facebook

1.52 jinja2 3.0.3

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Metadata-Version: 2.1

Name: Jinja2

Version: 3.0.3

Summary: A very fast and expressive template engine.

Home-page: <https://palletsprojects.com/p/jinja/>

Author: Armin Ronacher

Author-email: armin.ronacher@active-4.com

Maintainer: Pallets

Maintainer-email: contact@palletsprojects.com

License: BSD-3-Clause

Project-URL: Donate, <https://palletsprojects.com/donate>

Project-URL: Documentation, <https://jinja.palletsprojects.com/>

Project-URL: Changes, <https://jinja.palletsprojects.com/changes/>

Project-URL: Source Code, <https://github.com/pallets/jinja/>

Project-URL: Issue Tracker, <https://github.com/pallets/jinja/issues/>

Project-URL: Twitter, <https://twitter.com/PalletsTeam>

Project-URL: Chat, <https://discord.gg/pallets>

Platform: UNKNOWN

Classifier: Development Status :: 5 - Production/Stable

Classifier: Environment :: Web Environment
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: BSD License
Classifier:
Operating System :: OS Independent
Classifier: Programming Language :: Python
Classifier: Topic :: Internet :: WWW/HTTP :: Dynamic Content
Classifier: Topic :: Text Processing :: Markup :: HTML
Requires-Python: >=3.6
Description-Content-Type: text/x-rst
Provides-Extra: i18n
License-File: LICENSE.rst

Jinja

=====

Jinja is a fast, expressive, extensible templating engine. Special placeholders in the template allow writing code similar to Python syntax. Then the template is passed data to render the final document.

It includes:

- Template inheritance and inclusion.
- Define and import macros within templates.
- HTML templates can use autoescaping to prevent XSS from untrusted user input.
- A sandboxed environment can safely render untrusted templates.
- AsyncIO support for generating templates and calling async functions.
- I18N support with Babel.
- Templates are compiled to optimized Python code just-in-time and cached, or can be compiled ahead-of-time.
-
- Exceptions point to the correct line in templates to make debugging easier.
- Extensible filters, tests, functions, and even syntax.

Jinja's philosophy is that while application logic belongs in Python if possible, it shouldn't make the template designer's job difficult by restricting functionality too much.

Installing

Install and update using `pip`_:

.. code-block:: text

```
$ pip install -U Jinja2
```

```
.. _pip: https://pip.pypa.io/en/stable/getting-started/
```

In A Nutshell

```
.. code-block:: jinja
```

```
{% extends "base.html" % }
{% block title % }Members{% endblock % }
{% block content % }
<ul>
  {% for user in users % }
    <li><a href="{{ user.url }}">{{ user.username }}</a></li>
  {% endfor % }
</ul>
{% endblock % }
```

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```
.. _please donate today: https://palletsprojects.com/donate
```

Links

- Documentation: <https://jinja.palletsprojects.com/>
- Changes: <https://jinja.palletsprojects.com/changes/>
- PyPI Releases: <https://pypi.org/project/Jinja2/>
- Source Code: <https://github.com/pallets/jinja/>
- Issue Tracker: <https://github.com/pallets/jinja/issues/>
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```
* /opt/cola/permits/1226387220_1636997006.25/0/jinja2-3-0-3-tar-gz/Jinja2-3.0.3/src/Jinja2.egg-info/PKG-INFO
```


* /opt/cola/permits/1226387220_1636997006.25/0/jinja2-3-0-3-tar-gz/Jinja2-3.0.3/PKG-INFO

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[metadata]

name = Jinja2

version = attr: jinja2.__version__

url = <https://palletsprojects.com/p/jinja/>

project_urls =

Donate = <https://palletsprojects.com/donate>

Documentation = <https://jinja.palletsprojects.com/>

Changes = <https://jinja.palletsprojects.com/changes/>

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license_files = LICENSE.rst

author = Armin Ronacher

author_email = armin.ronacher@active-4.com

maintainer = Pallets

maintainer_email = contact@palletsprojects.com

description = A very fast and expressive template engine.

long_description = file: README.rst

long_description_content_type = text/x-rst

classifiers =

Development Status :: 5 - Production/Stable

Environment :: Web Environment

Intended Audience :: Developers

License :: OSI Approved ::

BSD License

Operating System :: OS Independent

Programming Language :: Python

Topic :: Internet :: WWW/HTTP :: Dynamic Content

Topic :: Text Processing :: Markup :: HTML

[options]

packages = find:

package_dir = = src

include_package_data = true

python_requires = >= 3.6

[options.packages.find]

where = src

[options.entry_points]

babel.extractors =

jinja2 = jinja2.ext:babel_extract[!18n]

```
[tool:pytest]
testpaths = tests
filterwarnings =
error
ignore:The loop argument:DeprecationWarning:asyncio[.]base_events:542
```

```
[coverage:run]
branch = True
source =
jinja2
tests
```

```
[coverage:paths]
source =
src
*/site-packages
```

```
[flake8]
select = B, E, F, W, B9, ISC
ignore =
E203
E501
E722
W503
max-line-length = 80
per-file-ignores =
src/jinja2/__init__.py: F401
```

```
[mypy]
files = src/jinja2
python_version = 3.6
disallow_subclassing_any = True
disallow_untyped_calls = True
disallow_untyped_defs = True
disallow_incomplete_defs = True
no_implicit_optional = True
local_partial_types = True
no_implicit_reexport
= True
strict_equality = True
warn_redundant_casts = True
warn_unused_configs = True
warn_unused_ignores = True
warn_return_any = True
warn_unreachable = True
```

```
[mypy-jinja2.defaults]
no_implicit_reexport = False
```

```
[mypy-markupsafe]
no_implicit_reexport = False
```

```
[egg_info]
tag_build =
tag_date = 0
```

Found in path(s):

```
* /opt/cola/permits/1226387220_1636997006.25/0/jinja2-3-0-3-tar-gz/Jinja2-3.0.3/setup.cfg
```

1.53 setuptools-rust 1.1.2

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1.54 chardet 3.0.4

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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Section 6 states terms for distribution of such executables.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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That's all there is to it!

1.55 pyopenssl 22.0.0

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1.56 future 5.1.0

1.56.1 Available under license :

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Contributor Covenant Code of Conduct

Our Pledge

We as members, contributors, and leaders pledge to make participation in our community a harassment-free experience for everyone, regardless of age, body size, visible or invisible disability, ethnicity, sex characteristics, gender identity and expression, level of experience, education, socio-economic status, nationality, personal appearance, race, religion, or sexual identity and orientation.

We pledge to act and interact in ways that contribute to an open, welcoming, diverse, inclusive, and healthy community.

Our Standards

Examples of behavior that contributes to a positive environment for our community include:

- * Demonstrating empathy and kindness toward other people
- * Being respectful of differing opinions, viewpoints, and experiences
- * Giving and gracefully accepting constructive feedback

- * Accepting responsibility and apologizing to those affected by our mistakes, and learning from the experience
- * Focusing on what is best not just for us as individuals, but for the overall community

Examples of unacceptable behavior include:

- * The use of sexualized language or imagery, and sexual attention or advances of any kind
- * Trolling, insulting or derogatory comments, and personal or political attacks
- * Public or private harassment
- * Publishing others' private information, such as a physical or email address, without their explicit permission
- * Other conduct which could reasonably be considered inappropriate in a professional setting

Enforcement Responsibilities

Community leaders are responsible for clarifying and enforcing our standards of acceptable behavior and will take appropriate and fair corrective action in response to any behavior that they deem inappropriate, threatening, offensive, or harmful.

Community leaders have the right and responsibility to remove, edit, or reject comments, commits, code, wiki edits, issues, and other contributions that are not aligned to this Code of Conduct, and will communicate reasons for moderation decisions when appropriate.

Scope

This Code of Conduct applies within all community spaces, and also applies when an individual is officially representing the community in public spaces. Examples of representing our community include using an official e-mail address, posting via an official social media account, or acting as an appointed representative at an online or offline event.

Enforcement

Instances of abusive, harassing, or otherwise unacceptable behavior may be reported to the project lead.

All complaints will be reviewed and investigated promptly and fairly.

All community leaders are obligated to respect the privacy and security of the reporter of any incident.

Enforcement Guidelines

Community leaders will follow these Community Impact Guidelines in determining the consequences for any action they deem in violation of this Code of Conduct:

###

1. Correction

****Community Impact****: Use of inappropriate language or other behavior deemed unprofessional or unwelcome in the community.

****Consequence****: A private, written warning from community leaders, providing clarity around the nature of the violation and an explanation of why the behavior was inappropriate. A public apology may be requested.

2. Warning

****Community Impact****: A violation through a single incident or series of actions.

****Consequence****: A warning with consequences for continued behavior. No interaction with the people involved, including unsolicited interaction with those enforcing the Code of Conduct, for a specified period of time. This includes avoiding interactions in community spaces as well as external channels like social media. Violating these terms may lead to a temporary or permanent ban.

3. Temporary Ban

****Community Impact****: A serious violation of community standards, including sustained inappropriate behavior.

****Consequence****: A temporary ban from any sort of interaction or public communication with the community for a specified period of time. No public or private interaction with the people involved, including unsolicited interaction with those enforcing the Code of Conduct, is allowed during this period. Violating these terms may lead to a permanent ban.

4. Permanent Ban

****Community Impact****: Demonstrating a pattern of violation of community standards, including sustained inappropriate behavior, harassment of an individual, or aggression toward or disparagement of classes of individuals.

****Consequence****: A permanent ban from any sort of public interaction within the community.

Attribution

This Code of Conduct is adapted from the [Contributor Covenant][homepage], version 2.0, available at https://www.contributor-covenant.org/version/2/0/code_of_conduct.html.

Community Impact Guidelines were inspired by [Mozilla's code of conduct enforcement ladder](<https://github.com/mozilla/diversity>).

[homepage]: <https://www.contributor-covenant.org>

For

answers to common questions about this code of conduct, see the FAQ at <https://www.contributor-covenant.org/faq>. Translations are available at <https://www.contributor-covenant.org/translations>.

Found in path(s):

* /opt/cola/permits/1271961303_1645142519.38/0/future-develop-zip/future-develop/CONDUCT.md

No license file was found, but licenses were detected in source scan.

Package: dummy

Version: 0.1

Title: A Dummy Package

Description: A package placeholder to trick 'usethis' to stop at the folder where this DESCRIPTION file lives rather than traversing higher up in the directory structure. This protects against bugs such as the one described in <https://github.com/r-lib/lifecycle/issues/52>.

Authors@R: person("Dummy", "Dummyson", role="aut", email = "dummy@dummy.org")

License: GPL (>= 3)

Imports:

lifecycle

RdMacros: lifecycle

Found in path(s):

* /opt/cola/permits/1271961303_1645142519.38/0/future-develop-zip/future-develop/revdep/DESCRIPTION

No license file was found, but licenses were detected in source scan.

Package: future

Version: 1.23.0-9006

Title: Unified Parallel and Distributed Processing in R for Everyone

Imports:

digest,

globals (>= 0.14.0),

listenv (>= 0.8.0),

parallel,

parallelly (>= 1.30.0),

tools,

utils

Suggests:

RhpcBLASctl,

R.rsp,
markdown
VignetteBuilder: R.rsp
Authors@R: c(person("Henrik", "Bengtsson", role=c("aut", "cre", "cph"),
email = "henrikb@braju.com"))
Description: The purpose of this package is to provide a lightweight and
unified Future API for sequential and parallel processing of R
expression via futures. The simplest way to evaluate an expression
in parallel is to use ``x %<-% { expression }`` with ``plan(multisession)``.
This package implements sequential, multicore, multisession, and
cluster futures. With these, R expressions can be evaluated on the
local machine, in parallel a set of local
machines, or distributed
on a mix of local and remote machines.
Extensions to this package implement additional backends for
processing futures via compute cluster schedulers, etc.
Because of its unified API, there is no need to modify any code in order
switch from sequential on the local machine to, say, distributed
processing on a remote compute cluster.
Another strength of this package is that global variables and functions
are automatically identified and exported as needed, making it
straightforward to tweak existing code to make use of futures.
License: LGPL (>= 2.1)
LazyLoad: TRUE
ByteCompile: TRUE
URL: <https://future.futureverse.org>, <https://github.com/HenrikBengtsson/future>
BugReports: <https://github.com/HenrikBengtsson/future/issues>
RoxygenNote: 7.1.2
Roxygen: list(markdown = TRUE)

Found in path(s):

* /opt/cola/permits/1271961303_1645142519.38/0/future-develop-zip/future-develop/DESCRIPTION

1.57 websocket-client 1.3.1

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1.58 oscrypto 1.3.0

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1.59 tzlocal 4.2

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1.60 pyyaml 5.4.1

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1.61 markupsafe 2.1.1

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Metadata-Version: 2.1

Name: MarkupSafe

Version: 2.1.1

Summary: Safely add untrusted strings to HTML/XML markup.

Home-page: <https://palletsprojects.com/p/markupsafe/>

Author: Armin Ronacher

Author-email: armin.ronacher@active-4.com
Maintainer: Pallets
Maintainer-email: contact@palletsprojects.com
License: BSD-3-Clause
Project-URL: Donate, <https://palletsprojects.com/donate>
Project-URL: Documentation, <https://markupsafe.palletsprojects.com/>
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Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
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:: OSI Approved :: BSD License
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python
Classifier: Topic :: Internet :: WWW/HTTP :: Dynamic Content
Classifier: Topic :: Text Processing :: Markup :: HTML
Requires-Python: >=3.7
Description-Content-Type: text/x-rst
License-File: LICENSE.rst

MarkupSafe

=====

MarkupSafe implements a text object that escapes characters so it is safe to use in HTML and XML. Characters that have special meanings are replaced so that they display as the actual characters. This mitigates injection attacks, meaning untrusted user input can safely be displayed on a page.

Installing

Install and update using `pip`_``:

.. code-block:: text

```
pip install -U MarkupSafe
```

.. `_pip``: <https://pip.pypa.io/en/stable/getting-started/>

Examples

.. code-block:: pycon

```
>>> from markupsafe import Markup, escape

>>> # escape replaces special characters and wraps in Markup
>>> escape("<script>alert(document.cookie);</script>")
Markup('&lt;script&gt;alert(document.cookie);&lt;/script&gt;')

>>> # wrap in Markup to mark text "safe" and prevent escaping
>>> Markup("<strong>Hello</strong>")
Markup('<strong>hello</strong>')

>>> escape(Markup("<strong>Hello</strong>"))
Markup('<strong>hello</strong>')

>>> # Markup is a str subclass
>>> # methods and operators escape their arguments
>>> template = Markup("Hello <em>{ name }</em>")
>>> template.format(name="World")
Markup('Hello <em>&#34;World&#34;</em>')
```

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The Pallets organization develops and supports MarkupSafe and other popular packages. In order to grow the community of contributors and users, and allow the maintainers to devote more time to the projects, `please donate today`_.

.. _please donate today: <https://palletsprojects.com/donate>

Links

- Documentation: <https://markupsafe.palletsprojects.com/>
- Changes: <https://markupsafe.palletsprojects.com/changes/>
-
- PyPI Releases: <https://pypi.org/project/MarkupSafe/>
- Source Code: <https://github.com/pallets/markupsafe/>
- Issue Tracker: <https://github.com/pallets/markupsafe/issues/>
- Website: <https://palletsprojects.com/p/markupsafe/>
- Twitter: <https://twitter.com/PalletsTeam>
- Chat: <https://discord.gg/pallets>

Found in path(s):

* /opt/cola/permits/1306998841_1649871237.78/0/markupsafe-2-1-1-tar-gz/MarkupSafe-2.1.1/PKG-INFO

* /opt/cola/permits/1306998841_1649871237.78/0/markupsafe-2-1-1-tar-gz/MarkupSafe-2.1.1/src/MarkupSafe.egg-info/PKG-INFO

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[metadata]

name = MarkupSafe

version = attr: markupsafe.__version__

url = <https://palletsprojects.com/p/markupsafe/>

project_urls =

Donate = <https://palletsprojects.com/donate>

Documentation = <https://markupsafe.palletsprojects.com/>

Changes = <https://markupsafe.palletsprojects.com/changes/>

Source Code = <https://github.com/pallets/markupsafe/>

Issue Tracker = <https://github.com/pallets/markupsafe/issues/>

Twitter = <https://twitter.com/PalletsTeam>

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license = BSD-3-Clause

license_files = LICENSE.rst

author = Armin Ronacher

author_email = armin.ronacher@active-4.com

maintainer = Pallets

maintainer_email = contact@palletsprojects.com

description = Safely add untrusted strings to HTML/XML markup.

long_description = file: README.rst

long_description_content_type = text/x-rst

classifiers =

Development Status :: 5 - Production/Stable

Environment :: Web Environment

Intended Audience ::

Developers

License :: OSI Approved :: BSD License

Operating System :: OS Independent

Programming Language :: Python

Topic :: Internet :: WWW/HTTP :: Dynamic Content

Topic :: Text Processing :: Markup :: HTML

[options]

packages = find:

package_dir = = src

include_package_data = True

python_requires = >= 3.7

[options.packages.find]

where = src

[tool:pytest]


```
testpaths = tests
filterwarnings =
    error
```

```
[coverage:run]
branch = True
source =
    markupsafe
    tests
```

```
[coverage:paths]
source =
    src
    */site-packages
```

```
[flake8]
select = B, E, F, W, B9, ISC
ignore =
    E203
    E501
    E722
    W503
max-line-length = 80
```

```
[mypy]
files = src/markupsafe
python_version = 3.7
show_error_codes = True
disallow_subclassing_any = True
disallow_untyped_calls = True
disallow_untyped_defs = True
disallow_incomplete_defs = True
no_implicit_optional = True
local_partial_types = True
no_implicit_reexport = True
strict_equality = True
warn_redundant_casts = True
warn_unused_configs = True
warn_unused_ignores = True
warn_return_any
    = True
warn_unreachable = True
```

```
[egg_info]
tag_build =
tag_date = 0
```

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1.62 wrapt 1.14.1

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1.63 python3-asn1crypto 1.5.1

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1.64 opentracing 2.3.0

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1.65 pyformance 0.4

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1.66 jaeger-client 4.2.0

1.66.1 Available under license :

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How to Contribute to Jaeger

We'd love your help!

Jaeger is [Apache 2.0 licensed](LICENSE) and accepts contributions via GitHub pull requests. This document outlines some of the conventions on development workflow, commit message formatting, contact points and other resources to make it easier to get your contribution accepted.

We gratefully welcome improvements to documentation as well as to code.

Developing

This repository uses [virtualenv](https://pypi.python.org/pypi/virtualenv) and `pip` to manage dependencies. To install all dependencies, run:

1. `virtualenv env`
2. `source env/bin/activate`
3. `make bootstrap`
4. `make test`

Thrift

Thrift files are generated via `make thrift`. The IDL files are pulled from `jaeger-idl` repo which is defined as a submodule.

pycurl

On MacOS you may get an error:

```
...
```

```
ImportError: pycurl: libcurl link-time ssl backend (openssl) is different from compile-time  
ssl backend (none/other)
```

```
...
```

It can be fixed with:

```
...
```

```
pip uninstall pycurl  
export LDFLAGS="-L/usr/local/opt/openssl/lib"  
export CPPFLAGS="-I/usr/local/opt/openssl/include"  
export PYCURL_SSL_LIBRARY=openssl  
pip install --no-cache-dir --compile --ignore-installed --install-option="--with-openssl" --install-option="--openssl-dir=/usr/local/opt/openssl" pycurl
```

```
...
```

Making A Change

Before making any significant changes, please [open an issue](https://github.com/jaegertracing/jaeger-client-python/issues).

Discussing your proposed changes ahead of time will make the contribution process smooth for everyone.

Once we've discussed your changes and you've got your code ready, make sure that tests are passing (make test) and open your pull request.

Your pull request is most likely to be accepted if it:

- * Includes tests for new functionality.
- * Has a [good commit message](https://chris.beams.io/posts/git-commit/):
 - * Separate subject from body with a blank line
 - * Limit the subject line to 50 characters
 - * Capitalize the subject line
 - * Do not end the subject line with a period
 - * Use the imperative mood in the subject line
 - * Wrap the body at 72 characters
 - * Use the body to explain `_what_` and `_why_` instead of `_how_`
- * Each commit is signed by the author ([see below](#sign-your-work)).

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If you are adding a new file it should have a header like below.

...

```
# Copyright (c) 2017, The Jaeger Authors
```

```
#
```

```
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# in compliance
```

```
with the License. You may obtain a copy of the License at
```

```
#
```

```
# http://www.apache.org/licenses/LICENSE-2.0
```

```
#
```

```
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# is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either  
# express
```

```
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# the License.
```

```
...
```

Sign your work

The sign-off is a simple line at the end of the explanation for the patch, which certifies that you wrote it or otherwise have the right to pass it on as an open-source patch. The rules are pretty simple: if you

can certify the below (from
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- (b) The contribution is based upon previous work that, to the best
of my knowledge, is covered under an appropriate open source
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permitted to submit under a different license), as indicated
in the file; or
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are public and that a record of the contribution (including all
personal information
I submit with it, including my sign-off) is
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this project or the open source license(s) involved.

then you just add a line to every git commit message:

Signed-off-by: Joe Smith <joe@gmail.com>

using your real name (sorry, no pseudonyms or anonymous contributions.)

You can add the sign off when creating the git commit via `git commit -s`.

If you want this to be automatic you can set up some aliases:

```
...  
git config --add alias.amend "commit -s --amend"  
git config --add alias.c "commit -s"  
...
```

Found in path(s):

```
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/CONTRIBUTING.md
```

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update-license:

Found in path(s):

```
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/Makefile
```

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license='Apache License 2.0',

Found in path(s):

```
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/setup.py
```

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```
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```

Found in path(s):

```
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/span_context.py
```

```
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/metrics/metrics.py
```

```
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_tracer.py
```

```
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/conftest.py
```

```
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_local_agent_net.py
```

```
*
```

```
/opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_metrics.py
```

- * /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_tracer_benchmark.py
- * /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/__init__.py
- * /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/codecs.py
- * /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/crossdock/server/server.py
- * /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_codecs.py
- * /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/tracer.py
- * /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_config.py
- * /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/config.py
- *
- /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_api.py
- * /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/ioloop_util.py
- * /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/reporter.py
- * /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/crossdock/server/thriftw_serializer.py
- * /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/sampler.py
- * /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/crossdock/server/constants.py
- * /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/__init__.py
- * /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_sampler.py
- *
- /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_span.py
- * /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_span_context.py
- * /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_throttler.py
- * /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_rate_limiter.py
- * /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_reporter.py
- * /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/span.py
- * /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/TUDPTTransport.py

* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/local_agent_net.py
*
/opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_crossdock.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_thrift.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/crossdock/server/serializer.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/crossdock/server/__init__.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/thrift.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/constants.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_TUDPTTransport.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_prometheus.py
*
/opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_noop_tracer.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_utils.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/metrics/prometheus.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/rate_limiter.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_traceback_log.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/crossdock/server/endtoend.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/utils.py
*
/opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/metrics/__init__.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/throttler.py
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Metadata-Version: 2.1

Name: jaeger-client

Version: 4.2.0

Summary: Jaeger Python OpenTracing Tracer implementation

Home-page: <https://github.com/jaegertracing/jaeger-client-python>

Author: Yuri Shkuro

Author-email: ys@uber.com

License: Apache License 2.0
Description: UNKNOWN
Keywords: jaeger,tracing,opentracing
Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: Apache Software License
Classifier: Natural Language :: English
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3.5
Classifier: Programming Language :: Python :: 3.6
Provides-Extra: tests

Found in path(s):

* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/PKG-INFO
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client.egg-info/PKG-INFO

1.67 opentracing-instrumentation 3.3.1

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1.68 semantic-version 2.10.0

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1.69 motor 2.4.0

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1.70 thrift 0.16.0

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```
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/ext/memory_buffer.c
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/ext/binary_protocol_accelerated.c
*
/opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/ext/bytes.h
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/ext/bytes.c
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/ext/thrift_native.c
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/ext/strlcpy.c
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/ext/struct.c
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/ext/compact_protocol.c
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Found in path(s):

* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/ext/macros.h
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/ext/binary_protocol_accelerated.h
*
/opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/ext/struct.h
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/ext/constants.h
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/ext/compact_protocol.h
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/ext/strncpy.h
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/ext/memory_buffer.h

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* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/ThriftSpec.thrift

```
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/Referenced.thrift
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/ThriftNamespacedSpec.thrift
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```
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/protocol/protocol_decorator.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/union_spec.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/binary_protocol_spec.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/spec_helper.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/ssl_server_socket_spec.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/core_ext.rb
*
/opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/transport/socket.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/processor_spec.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/http_client_spec.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/multiplexed_processor.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/protocol/multiplexed_protocol.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/server/thread_pool_server.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/flat_spec.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/transport/framed_transport.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/struct_nested_containers_spec.rb
*
/opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/serializer/deserializer.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/server_socket_spec.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/socket_spec_shared.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/types.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/transport/unix_socket.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/core_ext/fixnum.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/benchmark/server.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/nonblocking_server_spec.rb
```

```

* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/client.rb
*
/opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/struct.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/lib/thrift/transport/http_client_transport.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/json_protocol_spec.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/lib/thrift/transport/base_server_transport.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/base_transport_spec.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/lib/thrift/server/base_server.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/spec/thin_http_server_spec.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/lib/thrift/transport/memory_buffer_transport.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/lib/thrift/transport/server_socket.rb
*
/opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/socket_spec.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/lib/thrift/protocol/binary_protocol.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/base_protocol_spec.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/spec/binary_protocol_accelerated_spec.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/lib/thrift/transport/unix_server_socket.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/spec/compact_protocol_spec.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/lib/thrift/protocol/json_protocol.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/lib/thrift/protocol/binary_protocol_accelerated.rb
*
/opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/lib/thrift/transport/buffered_transport.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/server_spec.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/thrift_native.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/BaseService.thrift
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/exceptions.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/ssl_socket_spec.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/lib/thrift/server/nonblocking_server.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/lib/thrift/transport/ssl_socket.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/ExtendedService.thrift
*
/opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/lib/thrift/server/thin_http_server.rb

```


* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/processor.rb
 * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/namespaced_spec.rb
 * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/protocol/compact_protocol.rb
 * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/server/mongrel_http_server.rb
 * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift.rb
 * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/protocol/base_protocol.rb
 * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/union.rb
 * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/transport/io_stream_transport.rb
 *
 /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/transport/base_transport.rb
 * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/serializer/serializer.rb
 * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/ext/extconf.rb
 * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/struct_union.rb
 * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/unix_socket_spec.rb
 * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/exception_spec.rb
 * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/benchmark/benchmark.rb
 * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/server/simple_server.rb
 * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/bytes.rb
 *
 /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/server/threaded_server.rb
 * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/types_spec.rb
 * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/struct_spec.rb
 * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/benchmark/client.rb
 * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/transport/ssl_server_socket.rb
 * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/serializer_spec.rb
 * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/bytes_spec.rb
 * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/benchmark/Benchmark.thrift
 * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/client_spec.rb
 *
 /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/binary_protocol_spec_shared.rb
 * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/benchmark/thin_server.rb
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== DESCRIPTION:

Thrift is a strongly-typed language-agnostic RPC system. This library is the ruby implementation for both clients and servers.

== INSTALL:

```
$ gem install thrift
```

== CAVEATS:

This library provides the client and server implementations of thrift. It does *not* provide the compiler for the .thrift files. To compile .thrift files into language-specific implementations, please download the full thrift software package.

== USAGE:

This section should get written by someone with the time and inclination. In the meantime, look at existing code, such as the benchmark or the tutorial in the full thrift distribution.

Found in path(s):

```
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/README.md
```

1.71 python-requests 2.28.1

1.71.1 Available under license :

Requests

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1.72 cffi 1.15.1

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1.73 pymongo[srv] 3.11.4

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1.76 yarl 1.8.1

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1.78 urllib3 1.26.12

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1.80 pycparser 2.21

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1.81 python-dateutil 2.8.2

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1.82 pyrsistent 0.18.1

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1.83 requests-oauthlib 1.3.1

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1.85 pyjwt 2.4.0

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1.86 multidict 6.0.2

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1.87 typing-extensions 4.1.1

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software

Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above				
2.1.1	2001-now	PSF		yes

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This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php_curl, or with an Apache+mod_ssl webserver for SSL client authentication.

Just configure this file as the SSLCACertificateFile.#

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@(#) \$RCSfile: certdata.txt,v \$

\$Revision: 1.80 \$ \$Date: 2011/11/03 15:11:58 \$

1.89 aiohttp-swagger 1.0.16

1.89.1 Available under license :

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Project home: <https://github.com/cr0hn/aiohttp-swagger>

Project contact: [cr0hn\[at\]cr0hn.com](mailto:cr0hn[at]cr0hn.com)

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1.90 pyyaml 6.0

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1.91 idna 3.4

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1.92 python-certifi 2022.9.24

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ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt>

It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php_curl, or with an Apache+mod_ssl webserver for SSL client authentication.

Just configure this file as the SSLCACertificateFile.#

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1.93 typing-extensions 4.4.0

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=====

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as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
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2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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2.2 and above	2.1.1	2001-now	PSF	yes

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1.94 zipp 3.9.0

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1.95 oauthlib 3.2.2

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1.96 httplib 0.22.0

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1.97 tzdata 2023.3

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1.98 pyasn1 0.5.0

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[metadata]

name = pyasn1

version = attr: pyasn1.__version__

description = Pure-Python implementation of ASN.1 types and DER/BER/CER codecs (X.208)

long_description = file: README.md

long_description_content_type = text/markdown

license = BSD-2-Clause

license_files = LICENSE.rst

url = <https://github.com/pyasn1/pyasn1>

author = Ilya Etingof

author_email = etingof@gmail.com

maintainer = pyasn1 maintenance organization

maintainer_email = Christian Heimes <christian@python.org>

project_urls =

Documentation=<https://pyasn1.readthedocs.io>

Source=<https://github.com/pyasn1/pyasn1>

Issues=<https://github.com/pyasn1/pyasn1/issues>

Changelog=<https://pyasn1.readthedocs.io/en/latest/changelog.html>

platforms = any

classifiers =

Development Status :: 5 - Production/Stable

Environment :: Console

Intended Audience :: Developers

Intended Audience :: Education

Intended Audience :: Information Technology

Intended Audience :: System Administrators

Administrators

Intended Audience :: Telecommunications Industry

License :: OSI Approved :: BSD License

Natural Language :: English

Operating System :: OS Independent

Programming Language :: Python :: 2

Programming Language :: Python :: 2.7

Programming Language :: Python :: 3

Programming Language :: Python :: 3.6

Programming Language :: Python :: 3.7

Programming Language :: Python :: 3.8

Programming Language :: Python :: 3.9

Programming Language :: Python :: 3.10

Programming Language :: Python :: 3.11
Programming Language :: Python :: Implementation :: CPython
Programming Language :: Python :: Implementation :: PyPy
Topic :: Communications
Topic :: Software Development :: Libraries :: Python Modules

[options]

```
python_requires = >=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*, !=3.4.*, !=3.5.*
zip_safe = True
setup_requires = setuptools
packages =
  pyasn1
  pyasn1.type
  pyasn1.compat
  pyasn1.codec
  pyasn1.codec.ber
  pyasn1.codec.cer
  pyasn1.codec.der
  pyasn1.codec.native
```

[bdist_wheel]

```
universal
= 1
```

[egg_info]

```
tag_build =
tag_date = 0
```

Found in path(s):

```
* /opt/cola/permits/1646745104_1682526286.3746493/0/pyasn1-0-5-0-tar-gz/pyasn1-0.5.0/setup.cfg
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```

ASN.1 library for Python

```
[![PyPI](https://img.shields.io/pypi/v/pyasn1.svg?maxAge=2592000)](https://pypi.org/project/pyasn1)
[![Python Versions](https://img.shields.io/pypi/pyversions/pyasn1.svg)](https://pypi.org/project/pyasn1/)
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[![GitHub license](https://img.shields.io/badge/license-BSD-blue.svg)](https://raw.githubusercontent.com/pyasn1/pyasn1/master/LICENSE.txt)
```

This is a free and open source implementation of ASN.1 types and codecs as a Python package. It has been first written to support particular protocol (SNMP) but then generalized to be suitable for a wide range of protocols based on

[ASN.1 specification](https://www.itu.int/rec/dologin_pub.asp?lang=e&id=T-REC-X.208-198811-W!!PDF-E&type=items).

****NOTE:****

The package is now maintained by **Christian Heimes** and **Simon Pichugin** in project <https://github.com/pyasn1/pyasn1>.

Features

- * Generic implementation of ASN.1 types (X.208)
- * Standards compliant BER/CER/DER codecs
- * Can operate on streams of serialized data
- * Dumps/loads ASN.1 structures from Python types
- * 100% Python, works with Python 2.7 and 3.6+
- * MT-safe
- * Contributed ASN.1 compiler [Asn1ate](<https://github.com/kimgr/asn1ate>)

Why using pyasn1

ASN.1 solves the data serialisation problem. This solution was designed long ago by the wise Ancients. Back then, they did not have the luxury of wasting bits. That is why ASN.1 is designed to serialise data structures of unbounded complexity into something compact and efficient when it comes to processing the data.

That probably explains why many network protocols and file formats still rely on the 30+ years old technology.

Including a number of high-profile Internet protocols and file formats.

Quite a number of books cover the topic of ASN.1.

[Communication between heterogeneous systems](<http://www.oss.com/asn1/dubuisson.html>) by Olivier Dubuisson is one of those high quality books freely available on the Internet.

The pyasn1 package is designed to help Python programmers tackling network protocols and file formats at the comfort of their Python prompt. The tool struggles to capture all aspects of a rather complicated ASN.1 system and to represent it on the Python terms.

How to use pyasn1

With pyasn1 you can build Python objects from ASN.1 data structures.

For example, the following ASN.1 data structure:

```

```bash
Record ::= SEQUENCE {
 id INTEGER,
 room [0] INTEGER OPTIONAL,
 house [1] INTEGER DEFAULT 0
}
```

```

Could be expressed in pyasn1 like this:

```

```python
class Record(Sequence):
 componentType = NamedTypes(
 NamedType('id', Integer()),
 OptionalNamedType(
 'room', Integer().subtype(
 implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
)
),
 DefaultedNamedType(
 'house', Integer(0).subtype(
 implicitTag=Tag(tagClassContext, tagFormatSimple, 1)
)
)
)
```

```

It is in the spirit of ASN.1 to take abstract data description and turn it into a programming language specific form.

Once you have your ASN.1 data structure expressed in Python, you can use it along the lines of similar Python type (e.g. ASN.1 `SET` is similar to Python `dict`, `SET OF` to `list`):

```

```python
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
room=321
>>>
```

```

Part of the power of ASN.1 comes from its serialisation features. You can serialise your data structure and send it over the network.

```

```python
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
00000:
 30 07 02 01 7B 80 02 01 41
...

```

Conversely, you can turn serialised ASN.1 content, as received from network or read from a file, into a Python object which you can introspect, modify, encode and send back.

```

```python
>>> from pyasn1.codec.der.decoder import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())
>>>
>>> for field in received_record:
>>>   print('{} is {}'.format(field, received_record[field]))
id is 123
room is 321
house is 0
>>>
>>> record == received_record
True
>>> received_record.update(room=123)
>>> substrate = encode(received_record)
>>> hexdump(substrate)
00000: 30 06 02 01 7B 80 01 7B
...

```

The pyasn1 classes struggle to emulate their Python prototypes (e.g. int, list, dict etc.). But ASN.1 types exhibit more complicated behaviour. To make life easier for a Pythonista, they can turn their pyasn1 classes into Python built-ins:

```

```python
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room':
 321, 'house': 0}
...

```

Or vice-versa -- you can initialize an ASN.1 structure from a tree of Python objects:

```

```python
>>> from pyasn1.codec.native.decoder import decode
>>> record = decode({'id': 123, 'room': 321, 'house': 0}, asn1Spec=Record())

```



```
>>> str(record)
Record:
id=123
room=321
>>>
...

```

With ASN.1 design, serialisation codecs are decoupled from data objects, so you could turn every single ASN.1 object into many different serialised forms. As of this moment, pyasn1 supports BER, DER, CER and Python built-ins codecs. The extremely compact PER encoding is expected to be introduced in the upcoming pyasn1 release.

More information on pyasn1 APIs can be found in the [documentation](<https://pyasn1.readthedocs.io/en/latest/pyasn1/contents.html>), compiled ASN.1 modules for different protocols and file formats could be found in the pyasn1-modules [repo](<https://github.com/pyasn1/pyasn1-modules>).

How to get pyasn1

The pyasn1 package is distributed under terms and conditions of 2-clause BSD [license](<https://pyasn1.readthedocs.io/en/latest/license.html>). Source code is freely available as a GitHub [repo](<https://github.com/pyasn1/pyasn1>).

You could `pip install pyasn1` or download it from [PyPI](<https://pypi.org/project/pyasn1>).

If something does not work as expected, [open an issue](<https://github.com/epyasn1/pyasn1/issues>) at GitHub or post your question [on Stack Overflow](<https://stackoverflow.com/questions/ask>) or try browsing pyasn1 [mailing list archives](<https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/>).

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Metadata-Version: 2.1
Name: pyasn1
Version: 0.5.0
Summary: Pure-Python implementation of ASN.1 types and DER/BER/CER codecs (X.208)
Home-page: <https://github.com/pyasn1/pyasn1>
Author: Ilya Etingof

Author-email: etingof@gmail.com
Maintainer: pyasn1 maintenance organization
Maintainer-email: Christian Heimes <christian@python.org>
License: BSD-2-Clause
Project-URL: Documentation, <https://pyasn1.readthedocs.io>
Project-URL: Source, <https://github.com/pyasn1/pyasn1>
Project-URL: Issues, <https://github.com/pyasn1/pyasn1/issues>
Project-URL: Changelog, <https://pyasn1.readthedocs.io/en/latest/changelog.html>
Platform: any
Classifier: Development Status :: 5 - Production/Stable
Classifier: Environment :: Console
Classifier: Intended Audience :: Developers
Classifier: Intended Audience :: Education
Classifier: Intended Audience :: Information Technology
Classifier: Intended Audience :: System Administrators
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Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 3.6
Classifier: Programming Language :: Python :: 3.7
Classifier: Programming Language :: Python :: 3.8
Classifier: Programming Language :: Python :: 3.9
Classifier: Programming Language :: Python :: 3.10
Classifier: Programming Language :: Python :: 3.11
Classifier: Programming Language :: Python :: Implementation :: CPython
Classifier: Programming Language :: Python :: Implementation :: PyPy
Classifier: Topic :: Communications
Classifier: Topic :: Software Development :: Libraries :: Python Modules
Requires-Python: !=3.0.*,!=3.1.*,!=3.2.*,!=3.3.*,!=3.4.*,!=3.5.*,>=2.7
Description-Content-Type: text/markdown
License-File:
LICENSE.rst

ASN.1 library for Python

[![PyPI](<https://img.shields.io/pypi/v/pyasn1.svg?maxAge=2592000>)](<https://pypi.org/project/pyasn1>)
[![Python Versions](<https://img.shields.io/pypi/pyversions/pyasn1.svg>)](<https://pypi.org/project/pyasn1/>)
[![Build
status](<https://github.com/pyasn1/pyasn1/actions/workflows/main.yml/badge.svg>)](<https://github.com/pyasn1/pyasn1/actions/workflows/main.yml>)
[![Coverage
Status](<https://img.shields.io/codecov/c/github/pyasn1/pyasn1.svg>)](<https://codecov.io/github/pyasn1/pyasn1>)

[![GitHub license](https://img.shields.io/badge/license-BSD-blue.svg)](https://raw.githubusercontent.com/pyasn1/pyasn1/master/LICENSE.txt)

This is a free and open source implementation of ASN.1 types and codecs as a Python package. It has been first written to support particular protocol (SNMP) but then generalized to be suitable for a wide range of protocols based on

[ASN.1 specification](https://www.itu.int/rec/dologin_pub.asp?lang=e&id=T-REC-X.208-198811-W!!PDF-E&type=items).

****NOTE:****

The package is now maintained by **Christian Heimes** and **Simon Pichugin** in project <https://github.com/pyasn1/pyasn1>.

Features

- * Generic implementation of ASN.1 types (X.208)
- * Standards compliant BER/CER/DER codecs
- * Can operate on streams of serialized data
- * Dumps/loads ASN.1 structures from Python types
- * 100% Python, works with Python 2.7 and 3.6+
- * MT-safe
- * Contributed ASN.1 compiler [Asn1ate](https://github.com/kimgr/asn1ate)

Why using pyasn1

ASN.1 solves the data serialisation problem. This solution was designed long ago by the wise Ancients. Back then, they did not have the luxury of wasting bits. That is why ASN.1 is designed to serialise data structures of unbounded complexity into something compact and efficient when it comes to processing the data.

That probably explains why many network protocols and file formats still rely on the 30+ years old technology. Including a number of high-profile Internet protocols and file formats.

Quite a number of books cover the topic of ASN.1.

[Communication between heterogeneous systems](http://www.oss.com/asn1/dubuisson.html) by Olivier Dubuisson is one of those high quality books freely available on the Internet.

The pyasn1 package is designed to help Python programmers tackling network protocols and file formats at the comfort of their Python prompt. The tool struggles to capture all aspects of a rather

complicated ASN.1 system and to represent it on the Python terms.

How to use pyasn1

With pyasn1 you can build Python objects from ASN.1 data structures.

For example, the following ASN.1 data structure:

```
```bash
Record ::= SEQUENCE {
 id INTEGER,
 room [0] INTEGER OPTIONAL,
 house [1] INTEGER DEFAULT 0
}
```
```

Could be expressed in pyasn1 like this:

```
```python
class Record(Sequence):
 componentType = NamedTypes(
 NamedType('id', Integer()),
 OptionalNamedType(
 'room', Integer().subtype(
 implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
)
),
 DefaultedNamedType(
 'house', Integer(0).subtype(
 implicitTag=Tag(tagClassContext, tagFormatSimple, 1)
)
)
)
```
```

It is in the spirit of ASN.1 to take abstract data description

and turn it into a programming language specific form.

Once you have your ASN.1 data structure expressed in Python, you

can use it along the lines of similar Python type (e.g. ASN.1

`SET` is similar to Python `dict`, `SET OF` to `list`):

```
```python
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
```
```

```
room=321
```

```
>>>  
...  

```

Part of the power of ASN.1 comes from its serialisation features. You can serialise your data structure and send it over the network.

```
```python  
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
00000: 30 07 02 01 7B 80 02 01 41
...

```

Conversely, you can turn serialised ASN.1 content, as received from network or read from a file, into a Python object which you can introspect, modify, encode and send back.

```
```python  
>>> from pyasn1.codec.der.decoder import decode  
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())  
>>>  
>>> for field in received_record:  
>>>     print('{} is {}'.format(field, received_record[field]))  
id is 123  
room is 321  
house is 0  
>>>  
>>> record == received_record  
True  
>>> received_record.update(room=123)  
>>> substrate = encode(received_record)  
>>> hexdump(substrate)  
00000: 30 06 02 01 7B 80 01 7B  
...  

```

The pyasn1 classes struggle to emulate their Python prototypes (e.g. int, list, dict etc.). But ASN.1 types exhibit more complicated behaviour. To make life easier for a Pythonista, they can turn their pyasn1 classes into Python built-ins:

```
```python  
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
...

```

Or vice-versa -- you can initialize  
an ASN.1 structure from a tree of  
Python objects:

```
```python
>>> from pyasn1.codec.native.decoder import decode
>>> record = decode({'id': 123, 'room': 321, 'house': 0}, asn1Spec=Record())
>>> str(record)
Record:
id=123
room=321
>>>
```
```

With ASN.1 design, serialisation codecs are decoupled from data objects,  
so you could turn every single ASN.1 object into many different  
serialised forms. As of this moment, pyasn1 supports BER, DER, CER and  
Python built-ins codecs. The extremely compact PER encoding is expected  
to be introduced in the upcoming pyasn1 release.

More information on pyasn1 APIs can be found in the  
[documentation](<https://pyasn1.readthedocs.io/en/latest/pyasn1/contents.html>),  
compiled ASN.1 modules for different protocols and file formats  
could be found in the pyasn1-modules  
[repo](<https://github.com/pyasn1/pyasn1-modules>).

How to get pyasn1

-----

The pyasn1 package is distributed under terms and conditions of 2-clause  
BSD [license](<https://pyasn1.readthedocs.io/en/latest/license.html>).  
Source code is freely  
available as a GitHub [repo](<https://github.com/pyasn1/pyasn1>).

You could `pip install pyasn1` or download it from [PyPI](<https://pypi.org/project/pyasn1>).

If something does not work as expected,  
[open an issue](<https://github.com/epyasn1/pyasn1/issues>) at GitHub or  
post your question [on Stack Overflow](<https://stackoverflow.com/questions/ask>)  
or try browsing pyasn1  
[mailing list archives](<https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/>).

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Found in path(s):

```
* /opt/cola/permits/1646745104_1682526286.3746493/0/pyasn1-0-5-0-tar-gz/pyasn1-0.5.0/PKG-INFO
* /opt/cola/permits/1646745104_1682526286.3746493/0/pyasn1-0-5-0-tar-gz/pyasn1-0.5.0/pyasn1.egg-info/PKG-
```

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.. \_license:

License

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ASN.1 library for Python

=====

.. toctree::

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Abstract Syntax Notation One (ASN.1

[http://en.wikipedia.org/wiki/Abstract\\_Syntax\\_Notation\\_1x](http://en.wikipedia.org/wiki/Abstract_Syntax_Notation_1x)) is a technology for exchanging structured data in a universally understood, hardware agnostic way. Many industrial, security and telephony applications heavily rely on ASN.1.

The `pyasn1` <https://pypi.org/project/pyasn1/> library implements ASN.1 support in pure-Python.

What is ASN.1

-----

ASN.1 is a large, arguably over-engineered and extremely old data modelling and serialisation tool. It is probably among the first serialisation protocols in the history of computer science and technology.

ASN.1 started its life over 30 years ago as a serialisation mechanism for the first electronic mail (known as X.400). Later on it was split off the e-mail application and become a stand-alone tech still being actively supported by its designers and widely used in industry and technology.

Since then ASN.1 is sort of haunted by its relations with the OSI model -- the first, unsuccessful, version of the Internet. You can read many interesting discussions <https://news.ycombinator.com/item?id=8871453> on that topic.

In the following years, generations of software engineers tackled the serialisation problem many times. We can see that in Google's `ProtoBuffers` <https://developers.google.com/protocol-buffers/> or `FlatBuffers` <https://google.github.io/flatbuffers/>, for example. Interestingly, many new takes on binary protocol design do not depart far from ASN.1 from technical perspective. It's more of a matter of striking a balance between processing overhead, wire format overhead and human readability.

Looking at what ASN.1 has to offer, it has three loosely coupled parts:

- \* Data types: the standard introduces a collection of basic data types (integers, bits, strings, arrays and records) that can be used for describing arbitrarily complex, nested data structures.
- \* Serialisation protocols: the above data structures could be converted into a series of octets for storage or transmission over the wire as well as recovered back into their structured form. The system is fully agnostic to hardware architectures differences.



\* Schema language: ASN.1 data structures could be described in terms of a schema language for ASN.1 compiler to turn it into platform-specific implementation.

## ASN.1 applications

-----

Being an old and generally successful standard, ASN.1 is widely adopted for many uses. To give you an example, these technologies use ASN.1 for their data exchange needs:

- \* Signaling standards for the public switched telephone network (SS7 family)
- \* Network management standards (SNMP, CMIP)
- \* Directory standards (X.500 family, LDAP)
- \* Public Key Infrastructure standards (X.509, etc.)
- \* PBX control (CSTA)
- \* IP-based Videoconferencing (H.323 family)
- \* Biometrics (BIP, CBEFF, ACBio)
- \* Intelligent transportation (SAE J2735)
- \* Cellular telephony (GSM, GPRS/EDGE, UMTS, LTE)

## ASN.1 gotchas

-----

Apparently, ASN.1 is hard to implement properly. Quality open-source ASN.1 tools are rare, but ad-hoc implementations are numerous. Judging from the ``statistics <http://cve.mitre.org/cgi-bin/cvekey.cgi?keyword=ASN.1>`` on discovered security vulnerabilities, many people have implemented ASN.1 parsers and oftentimes fell victim to its edge cases.

On the bright side, ASN.1 has been around for a long time, it is well understood and security reviewed.

## Documentation

-----

```
.. toctree::
 :maxdepth: 2

 /pyasn1/contents
```

## Use case

-----

```
.. toctree::
 :maxdepth: 2
```

/example-use-case

## Download & Install

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```
.. toctree::
 :maxdepth: 2
```

/download

## Changes

-----

All changes and release history is maintained in changelog. There you could also download the latest unreleased pyasn1 tarball containing the latest fixes and improvements.

```
..
toctree::
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```

/changelog

## License

-----

The PyASN1 software is distributed under 2-clause BSD License.

```
.. toctree::
 :maxdepth: 2
```

/license

## Getting help

-----

Please, file your `issues` <<https://github.com/pyasn1/pyasn1/issues>>`\_` and `PRs` <<https://github.com/pyasn1/pyasn1/pulls>>`\_` at GitHub. Alternatively, you could ask for help at `Stack Overflow` <<http://stackoverflow.com/questions/tagged/pyasn1>>`\_` or search `pyasn1-users` <<https://lists.sourceforge.net/lists/listinfo/pyasn1-users>>`\_` mailing list archive.

## Books on ASN.1

-----

The pyasn1 implementation is largely based on reading up the following awesome

books:

\* `ASN.1 - Communication between heterogeneous systems <<http://www.oss.com/asn1/dubuisson.html>>` \_ by Olivier Dubuisson

\* `ASN.1 Complete <<http://www.oss.com/asn1/resources/books-whitepapers-pubs/larmouth-asn1-book.pdf>>` \_ by Prof John Larmouth

Here you can get the official standards which is hard to read:

\* `ITU standards

<<http://www.itu.int/ITU-T/studygroups/com17/languages/X.680-X.693-0207w.zip>>` \_

On the other end of the readability spectrum, here is a quick and sweet write up:

\* `A Layman's Guide to a Subset of ASN.1, BER, and DER <<ftp://ftp.rsasecurity.com/pub/pkcs/ascii/layman.asc>>` \_ by Burton S. Kaliski

If you are working with ASN.1, we'd highly recommend reading a proper book on the subject.

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\* /opt/cola/permits/1646745104\_1682526286.3746493/0/pyasn1-0-5-0-tar-gz/pyasn1-0.5.0/pyasn1/error.py

\* /opt/cola/permits/1646745104\_1682526286.3746493/0/pyasn1-0-5-0-tar-gz/pyasn1-0.5.0/pyasn1/type/char.py

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\*

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\* /opt/cola/permits/1646745104\_1682526286.3746493/0/pyasn1-0-5-0-tar-gz/pyasn1-0.5.0/tests/test\_debug.py

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* /opt/cola/permits/1646745104_1682526286.3746493/0/pyasn1-0-5-0-tar-gz/pyasn1-0.5.0/tests/type/test_tag.py
* /opt/cola/permits/1646745104_1682526286.3746493/0/pyasn1-0-5-0-tar-gz/pyasn1-
0.5.0/tests/type/test_constraint.py
* /opt/cola/permits/1646745104_1682526286.3746493/0/pyasn1-0-5-0-tar-gz/pyasn1-
0.5.0/pyasn1/type/constraint.py
* /opt/cola/permits/1646745104_1682526286.3746493/0/pyasn1-0-5-0-tar-gz/pyasn1-

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0.5.0/tests/codec/der/__main__.py
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0.5.0/tests/codec/der/test_decoder.py
*
/opt/cola/permits/1646745104_1682526286.3746493/0/pyasn1-0-5-0-tar-gz/pyasn1-0.5.0/pyasn1/codec/ber/eoo.py
* /opt/cola/permits/1646745104_1682526286.3746493/0/pyasn1-0-5-0-tar-gz/pyasn1-
0.5.0/pyasn1/type/opentype.py
* /opt/cola/permits/1646745104_1682526286.3746493/0/pyasn1-0-5-0-tar-gz/pyasn1-0.5.0/tests/base.py
* /opt/cola/permits/1646745104_1682526286.3746493/0/pyasn1-0-5-0-tar-gz/pyasn1-0.5.0/tests/type/test_useful.py
* /opt/cola/permits/1646745104_1682526286.3746493/0/pyasn1-0-5-0-tar-gz/pyasn1-0.5.0/tests/type/test_univ.py
* /opt/cola/permits/1646745104_1682526286.3746493/0/pyasn1-0-5-0-tar-gz/pyasn1-
0.5.0/tests/codec/test_streaming.py
* /opt/cola/permits/1646745104_1682526286.3746493/0/pyasn1-0-5-0-tar-gz/pyasn1-
0.5.0/pyasn1/codec/der/encoder.py
* /opt/cola/permits/1646745104_1682526286.3746493/0/pyasn1-0-5-0-tar-gz/pyasn1-0.5.0/pyasn1/compat/octets.py
* /opt/cola/permits/1646745104_1682526286.3746493/0/pyasn1-0-5-0-tar-gz/pyasn1-
0.5.0/pyasn1/type/namedval.py
*
/opt/cola/permits/1646745104_1682526286.3746493/0/pyasn1-0-5-0-tar-gz/pyasn1-
0.5.0/tests/codec/der/test_decoder.py
* /opt/cola/permits/1646745104_1682526286.3746493/0/pyasn1-0-5-0-tar-gz/pyasn1-0.5.0/pyasn1/debug.py

```

## 1.99 pyasn1-modules 0.3.0

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