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*/

 ifndef UV_BSD_H
 define UV_BSD_H

 define UV_PLATFORM_FS_EVENT_FIELDS
 uv__io_t event_watcher;

 define UV_IO_PRIVATE_PLATFORM_FIELDS
 int rcount;
 int wcount;

 define UV_HAVE_KQUEUE 1

 endif /* UV_BSD_H */

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============================================
gevent/libuv/_coreffi_source.c
gevent/libuv/_coreffi_cdef.c

Originally based on code from https://github.com/veegee/guv

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1.6 mock 1.0.1

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1.7 alpine-keys 2.1 r2

1.8 pexpect 3.2

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1.9 oauthlib 1.0.3

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1.10 backbone-forms 0.11.0
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1.12 idna 2.1

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```python
import sys
from setuptools import setup
import io

version = "2.1"

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

    arguments = {
        'name': 'idna',
        'packages': ['idna'],
        'version': 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',
            'Intended Audience :: System Administrators',
            'License :: OSI Approved :: BSD License',
            'Operating System :: OS Independent',
            'Programming Language :: Python',
            'Programming Language :: Python :: 2.6',
            'Programming Language :: Python :: 2.7',
            'Programming Language :: Python :: 3',
            'Programming Language :: Python :: 3.3',
            'Programming Language :: Python :: 3.4',
            'Topic :: Internet :: Name Service (DNS)',
        ]
```
1.13 vcversioner 2.16.0.0

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1.14 ssl-client 1.31.1-r9

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Julian Seward, Cambridge, UK. 
jseward@bzip.org  
bzip2/libbzip2 version 1.0.4 of 20 December 2006 
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1.24 flask-socketio 3.3.1

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1.25 websocket-client 0.44.0

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1.29 libvirt-python 5.7.0

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1.30 python-requests 2.23.0
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1.31 setuptools-scm 1.15.0

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1.32 pyopenssl 19.0.0

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1.33 ptyprocess 0.6.0
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1.34 certifi 2017.11.5

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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:
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 $ $Date: 2011/11/03 15:11:58$

1.35 python-mimeparse 1.6.0
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1.36 pam 0.1.4
1.36.1 Available under license:

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from setuptools import setup, find_packages
import sys, os

version = '0.1.4'

setup(name='pam',
      version=version,
      description="PAM interface using ctypes",
      long_description="An interface to the Pluggable Authentication Modules (PAM) library on linux, written in pure python (using ctypes)",
      classifiers="["Development Status :: 3 - Alpha",
      "Intended Audience :: Developers",
      "License :: OSI Approved :: MIT License",
      "Operating System :: POSIX :: Linux",
      "Operating System :: MacOS :: MacOS X",
      "Programming Language :: Python",
      "Topic :: Software Development :: Libraries :: Python Modules",
      "Topic :: System :: Systems Administration :: Authentication/Directory"
      ],
      keywords="",
      author='Chris AtLee',
      author_email='chris@atlee.ca',
      license="mit",
      url="https://github.com/atlee/pam")
url='http://atlee.ca/software/pam',
download_url = "http://atlee.ca/software/pam/dist/%s" % version,
license='MIT',
py_modules=['pam'],
zip_safe=True,
install_requires=[],
entry_points=""
# -*- Entry points: -*-
""
# Entry points: -*-
""
)

Found in path(s):
* /opt/cola/permits/1119811840_1609793495.63/0/pam-0-1-4-1-tar-gz/pam-0.1.4/setup.py
No license file was found, but licenses were detected in source scan.

# Licensed under the MIT license:

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* /opt/cola/permits/1119811840_1609793495.63/0/pam-0-1-4-1-tar-gz/pam-0.1.4/pam.py
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Metadata-Version: 1.0
Name: pam
Version: 0.1.4
Summary: PAM interface using ctypes
Home-page: http://atlee.ca/software/pam
Author: Chris AtLee
Author-email: chris@atlee.ca
License: MIT
Download-URL: http://atlee.ca/software/pam/dist/0.1.4
Description: An interface to the Pluggable Authentication Modules (PAM) library on linux, written in pure python (using ctypes)
Platform: UNKNOWN
Classifier: Development Status :: 3 - Alpha
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: MIT License
Classifier: Operating System :: POSIX :: Linux
Classifier: Operating System :: MacOS :: MacOS X
Classifier: Programming Language :: Python
Classifier: Topic :: Software Development :: Libraries :: Python Modules
Classifier: Topic :: System :: Systems Administration :: Authentication/Directory

Found in path(s):
* /opt/cola/permits/1119811840_1609793495.63/0/pam-0-1-4-1-tar-gz/pam-0.1.4/pam.egg-info/PKG-INFO
* /opt/cola/permits/1119811840_1609793495.63/0/pam-0-1-4-1-tar-gz/pam-0.1.4/PKG-INFO
1.37 jsonschema 2.5.1
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1.38 python-setuptools 32.0.0
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**1.39 pyudev 0.16**

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Version 2.1, February 1999

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1.42 alpine-baselayout 3.2.0-r3

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1.45 zlib 1.2.11 r3

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**1.47 docker 3.5.0**

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1.48 docker-pycreds 0.3.0

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1.49 libtls-standalone 2.9.1-r0

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1.50 pexpect 4.7.0

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1.51 pytest 5.2.0

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1.52 futures 2.1.6
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1.53 falcon 1.1.0

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Found in path(s):
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/README.rst

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Metadata-Version: 1.1
Name: falcon
Version: 1.1.0
Summary: An unladen web framework for building APIs and app backends.
Home-page: http://falconframework.org
Author: Kurt Griffiths
Author-email: mail@kgriffs.com
License: Apache 2.0
Description: Falcon [Docs] [Build Status] [codecov.io]
Perfection is finally attained not when there is no longer anything to add, but when there is no longer anything to take away.

*- Antoine de Saint-Exup©ry*

Falcon is a `high-performance Python framework <http://falconframework.org/index.html>`__ for building cloud APIs. It encourages the REST architectural style, and tries to do as little as possible while remaining `highly effective <http://falconframework.org/index.html#Benefits>`__.

Quick Links
-----------
* `Read the docs <https://falcon.readthedocs.io/en/stable>`__.
* `Join the discussion group <https://groups.google.com/forum/#!forum/falconframework>`__.
* `Hang out in #falconframework on freenode <https://kiwiirc.com/client/irc.freenode.net/?#falconframework>`__.

Design Goals
------------
**Fast.** Cloud APIs need to turn around requests quickly, and make efficient use of hardware. This is particularly important when serving many concurrent requests. Falcon is among the fastest WSGI frameworks available, processing requests `several times faster <http://falconframework.org/#Metrics>`__ than other Python web frameworks.

**Light.** Only the essentials are included, with *six* and *mimeparse* being the only dependencies outside the standard library. We work hard to keep the code lean, making Falcon easier to test, secure, optimize, and deploy.

**Flexible.** Falcon is not opinionated when it comes to talking to databases, rendering content, authorizing requests, etc. You are free to mix and match your own favorite libraries. Falcon apps work with any WSGI server, and run great under 'CPython 2.6-2.7, PyPy, Jython 2.7, and CPython 3.3-3.5 <https://travis-ci.org/falconry/falcon>`__.

Features
--------
- Highly-optimized, extensible code base
- Intuitive routing via URI templates and REST-inspired resource classes
- Easy access to headers and bodies through request and response classes
- DRY request processing via middleware components and hooks
- Idiomatic HTTP error responses
- Straightforward exception handling
- Snappy unit testing through WSGI helpers and mocks
- CPython 2.6-2.7, PyPy, Jython 2.7, and CPython 3.3-3.5 support
- ~20% speed boost when Cython is available

Who's Using Falcon?
-------------------

Falcon is used around the world by a growing number of organizations, including:

- 7ideas
- Cronitor
- EMC
- Hurricane Electric
- Leadpages
- OpenStack
- Rackspace
- Shiftgig
- tempfil.es
- Opera Software

If you are using the Falcon framework for a community or commercial project, please consider adding your information to our wiki under

You might also like to view our
`Add-on Catalog <https://github.com/falconry/falcon/wiki/Add-on-Catalog>`_,
where you can find a list of add-ons maintained by the community.

Installation
------------

PyPy
```bash
$ pip install falcon
```
Falcon also fully supports `CPython <https://www.python.org/downloads/>`__ 2.6-3.5.

A universal wheel is available on PyPI for the Falcon framework. Installing it is as simple as:

.. code:: bash

    $ pip install falcon

Installing the wheel is a great way to get up and running with Falcon quickly in a development environment, but for an extra speed boost when deploying your application in production, Falcon can compile itself with Cython.

The following commands tell pip to install Cython, and then to invoke Falcon's `setup.py`, which will in turn detect the presence of Cython and then compile (AKA cythonize) the Falcon framework with the system's default C compiler.

.. code:: bash

    $ pip install cython
    $ pip install --no-binary :all: falcon

**Installing on OS X**

Xcode Command Line Tools are required to compile Cython. Install them with this command:

.. code:: bash

    $ xcode-select --install

The Clang compiler treats unrecognized command-line options as errors; this can cause problems under Python 2.6, for example:

.. code:: bash


You might also see warnings about unused functions. You can work around these issues by setting additional Clang C compiler flags as follows:
.. code:: bash

```bash
$ export CFLAGS="-Qunused-arguments -Wno-unused-function"
```

Dependencies
^^^^^^^^^^^^

Falcon depends on `six` and `python-mimeparse`. `python-mimeparse` is a better-maintained fork of the similarly named `mimeparse` project. Normally the correct package will be selected by Falcon's `setup.py`. However, if you are using an alternate strategy to manage dependencies, please take care to install the correct package in order to avoid errors.

WSGI Server
------------

Falcon speaks WSGI, and so in order to serve a Falcon app, you will need a WSGI server. Gunicorn and uWSGI are some of the more popular ones out there, but anything that can load a WSGI app will do.

.. code:: bash

```bash
$ pip install [gunicorn|uwsgi]
```

Source Code
-----------

Falcon `lives on GitHub <https://github.com/falconry/falcon>`_, making the code easy to browse, download, fork, etc. Pull requests are always welcome! Also, please remember to star the project if it makes you happy. :) Once you have cloned the repo or downloaded a tarball from GitHub, you can install Falcon like this:

.. code:: bash

```bash
$ cd falcon
$ pip install .
```

Or, if you want to edit the code, first fork the main repo, clone the fork to your desktop, and then run the following to install it using symbolic linking, so that when you change your code, the changes will be automagically available to your app without having to reinstall the package:

.. code:: bash

```bash
$ cd falcon
```
You can manually test changes to the Falcon framework by switching to the directory of the cloned repo and then running pytest:

```
$ cd falcon
$ pip install -r tools/test-requires
$ pytest tests
```

Or, to run the default set of tests:

```
$ pip install tox & tox
```

See also the `.tox.ini <https://github.com/falconry/falcon/blob/master/tox.ini>`_ file for a full list of available environments.

Read the docs
--------------

The docstrings in the Falcon code base are quite extensive, and we recommend keeping a REPL running while learning the framework so that you can query the various modules and classes as you have questions.

Online docs are available at: https://falcon.readthedocs.io

You can build the same docs locally as follows:

```
$ pip install tox & tox -e docs
```

Once the docs have been built, you can view them by opening the following index page in your browser. On OS X it's as simple as:

```
$ open docs/_build/html/index.html
```

Or on Linux:

```
$ xdg-open docs/_build/html/index.html
```

Getting started
---------------

Here is a simple, contrived example showing how to create a Falcon-based...
.. code:: python

    # things.py
    # Let's get this party started!
    import falcon

    # Falcon follows the REST architectural style, meaning (among
    # other things) that you think in terms of resources and state
    # transitions, which map to HTTP verbs.
    class ThingsResource(object):
        def on_get(self, req, resp):
            '''Handles GET requests'''
            resp.status = falcon.HTTP_200  # This is the default status
            resp.body = ('\nTwo things awe me most, the starry sky ’
                 'above me and the moral law within me.\n'\n            ' ~ Immanuel Kant\n\n    # falcon.API instances are callable WSGI apps
    app = falcon.API()

    # Resources are represented by long-lived class instances
    things = ThingsResource()

    # things will handle all requests to the '/things' URL path
    app.add_route('/things', things)

You can run the above example using any WSGI server, such as uWSGI or Gunicorn. For example:

.. code:: bash

    $ pip install gunicorn
    $ gunicorn things:app

    Then, in another terminal:

.. code:: bash

    $ curl localhost:8000/things

A more complex example

------------------------
Here is a more involved example that demonstrates reading headers and query parameters, handling errors, and working with request and response bodies.

```python
import json
import logging
import uuid
from wsgiref import simple_server

import falcon
import requests

class StorageEngine(object):

    def get_things(self, marker, limit):
        return [{'id': str(uuid.uuid4()), 'color': 'green'}]

    def add_thing(self, thing):
        thing['id'] = str(uuid.uuid4())
        return thing

class StorageError(Exception):

    @staticmethod
    def handle(ex, req, resp, params):
        description = ('Sorry, couldn't write your thing to the ' 
                        'database. It worked on my box.')

        raise falcon.HTTPError(falcon.HTTP_725, 
                               'Database Error',
                               description)

class SinkAdapter(object):

    engines = {
        'ddg': 'https://duckduckgo.com',
        'y': 'https://search.yahoo.com/search',
    }

    def __call__(self, req, resp, engine):
        url = self.engines[engine]
        params = {'q': req.get_param('q', True)}
        result = requests.get(url, params=params)
```
resp.status = str(result.status_code) + ' ' + result.reason
resp.content_type = result.headers['content-type']
resp.body = result.text

class AuthMiddleware(object):

def process_request(self, req, resp):
    token = req.get_header('Authorization')
    account_id = req.get_header('Account-ID')

    challenges = ['Token type="Fernet"']

    if token is None:
        description = ('Please provide an auth token ' +
                       'as part of the request. '')

        raise falcon.HTTPUnauthorized('Auth token required',
                                      description,
                                      challenges,
                                      href='http://docs.example.com/auth')

    if not self._token_is_valid(token, account_id):
        description = ('The provided auth token is not valid. ' +
                       'Please request a new token and try again. ')

        raise falcon.HTTPUnauthorized('Authentication required',
                                      description,
                                      challenges,
                                      href='http://docs.example.com/auth')

    def _token_is_valid(self, token, account_id):
        return True  # Suuuuuure it's valid...

class RequireJSON(object):

def process_request(self, req, resp):
    if not req.client_accepts_json:
        raise falcon.HTTPNotAcceptable(
            'This API only supports responses encoded as JSON.',
            href='http://docs.example.com/api/json')

    if req.method in ('POST', 'PUT'):
        if 'application/json' not in req.content_type:
            raise falcon.HTTPUnsupportedMediaType(
                'This API only supports requests encoded as JSON.')
class JSONTranslator(object):

    def process_request(self, req, resp):
        # req.stream corresponds to the WSGI wsgi.input environ variable,
        # and allows you to read bytes from the request body.

        # See also: PEP 3333
        if req.content_length in (None, 0):
            # Nothing to do
            return

        body = req.stream.read()
        if not body:
            raise falcon.HTTPBadRequest('Empty request body',
                                         'A valid JSON document is required."

        try:
            req.context['doc'] = json.loads(body.decode('utf-8'))

        except (ValueError, UnicodeDecodeError):
            raise falcon.HTTPError(falcon.HTTP_753,
                                     'Malformed JSON',
                                     'Could not decode the request body. The ' 
                                     'JSON was incorrect or not encoded as ' 
                                     'UTF-8."

        def process_response(self, req, resp, resource):
            if 'result' not in req.context:
                return

            resp.body = json.dumps(req.context['result'])

    def max_body(self, limit):

        def hook(req, resp, resource, params):
            length = req.content_length
            if length is not None and length > limit:
                msg = ('The size of the request is too large. The body must not ' 
                       'exceed ' + str(limit) + ' bytes in length.')

                raise falcon.HTTPRequestEntityTooLarge( 
                    'Request body is too large', msg)

            return hook
class ThingsResource(object):

def __init__(self, db):
    self.db = db
    self.logger = logging.getLogger('thingsapp.' + __name__)

def on_get(self, req, resp, user_id):
    marker = req.get_param('marker') or ''
    limit = req.get_param_as_int('limit') or 50
    try:
        result = self.db.get_things(marker, limit)
    except Exception as ex:
        self.logger.error(ex)
    description = ('Aliens have attacked our base! We will '
                    'be back as soon as we fight them off. '
                    'We appreciate your patience."

    raise falcon.HTTPServiceUnavailable('Service Outage',
                                         description,
                                         30)

# An alternative way of doing DRY serialization would be to
# create a custom class that inherits from falcon.Request. This
# class could, for example, have an additional 'doc' property
# that would serialize to JSON under the covers.
req.context['result'] = result

    resp.set_header('Powered-By', 'Falcon')
    resp.status = falcon.HTTP_200

@falcon.before(max_body(64 * 1024))
def on_post(self, req, resp, user_id):
    try:
        doc = req.context['doc']
    except KeyError:
        raise falcon.HTTPBadRequest('Missing thing',
                                     'A thing must be submitted in the request body."
    proper_thing = self.db.add_thing(doc)

    resp.status = falcon.HTTP_201
    resp.location = '/%s/things/%s' % (user_id, proper_thing['id'])
# Configure your WSGI server to load "things.app" (app is a WSGI callable)
app = falcon.API(middleware=[
    AuthMiddleware(),
    RequireJSON(),
    JSONTranslator(),
])

db = StorageEngine()
things = ThingsResource(db)
app.add_route('/{user_id}/things', things)

# If a responder ever raised an instance of StorageError, pass control to
# the given handler.
app.add_error_handler(StorageError, StorageError.handle)

# Proxy some things to another service; this example shows how you might
# send parts of an API off to a legacy system that hasn't been upgraded
# yet, or perhaps is a single cluster that all data centers have to share.
sink = SinkAdapter()
app.add_sink(sink, r'/search/(?P<engine>ddg|y)Z')

# Useful for debugging problems in your API; works with pdb.set_trace(). You
# can also use Gunicorn to host your app. Gunicorn can be configured to
# auto-restart workers when it detects a code change, and it also works
# with pdb.
if __name__ == '__main__':
    httpd = simple_server.make_server('127.0.0.1', 8000, app)
    httpd.serve_forever()

Community
---------

The Falcon community maintains a discussion group that you can use to
share your ideas and ask questions about the framework. To join the
discussion, please visit https://groups.google.com/d/forum/falconframework.

Per our
`Code of Conduct <https://github.com/falconry/falcon/blob/master/CODEOFCONDUCT.md>`_,
we expect everyone who participates in community discussions to act
professionally, and lead by example in encouraging constructive
discussions. Each individual in the community is responsible for
creating a positive, constructive, and productive culture.

We also hang out in
`#falconframework <https://kiwiirc.com/client/irc.freenode.net/?#falconframework>`_
on freenode, where everyone is always welcome to ask questions and share ideas.

Contributing
------------

Kurt Griffiths (kgriffs) is the creator and current maintainer of the Falcon framework, with the generous help of a number of stylish and talented contributors.

Pull requests are always welcome. We use the GitHub issue tracker to organize our work, put you do not need to open a new issue before submitting a PR.

Before submitting a pull request, please ensure you have added/updated the appropriate tests (and that all existing tests still pass with your changes), and that your coding style follows PEP 8 and doesn't cause pyflakes to complain.

Commit messages should be formatted using `AngularJS conventions <http://goo.gl/QpbS7>`__.

Comments follow `Google's style guide <https://google.github.io/styleguide/pyguide.html?showone=Comments#Comments>`__, with the additional requirement of prefixing inline comments using your GitHub nick and an appropriate prefix:

- TODO(riker): Damage report!
- NOTE(riker): Well, that's certainly good to know.
- PERF(riker): Travel time to the nearest starbase?
- APPSEC(riker): In all trust, there is the possibility for betrayal.

See also: `CONTRIBUTING.md <https://github.com/falconry/falcon/blob/master/CONTRIBUTING.md>`__

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.. |Docs| image:: https://readthedocs.org/projects/falcon/badge/?version=stable
   :alt: Falcon web framework docs

.. |Runner| image:: https://a248.e.akamai.net/assets.github.com/images/icons/emoji/runner.png
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.. |Build Status| image:: https://travis-ci.org/falconry/falcon.svg
   :target: https://travis-ci.org/falconry/falcon

.. |codecov.io| image:: http://codecov.io/github/falconry/falcon/coverage.svg?branch=master

Keywords: wsgi web api framework rest http cloud
Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Environment :: Web Environment
Classifier: Natural Language :: English
Classifier: Intended Audience :: Developers
Classifier: Intended Audience :: System Administrators
Classifier: License :: OSI Approved :: Apache Software License
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Classifier: Topic :: Internet :: WWW/HTTP :: WSGI
Classifier: Topic :: Software Development :: Libraries :: Application Frameworks
Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: Implementation :: CPython
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Classifier: Programming Language :: Python :: Implementation :: Jython
Classifier: Programming Language :: Python :: 2.6
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3.3
Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5

Found in path(s):
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/PKG-INFO
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon.egg-info/PKG-INFO
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* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/testing/helpers.py

1.54 six 1.14.0

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Jingxin Zhu

If you think you belong on this list, please let me know! --Benjamin

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