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1.2 lua 5.1.5

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1.4 minimalist 0.0.8

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1.5 mkdirp 0.5.1

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1.7 has-ansi 2.0.0

1.7.1 Available under license :

has-ansi [![Build Status](https://travis-ci.org/sindresorhus/has-ansi.svg?branch=master)](https://travis-ci.org/sindresorhus/has-ansi)

> Check if a string has [ANSI escape codes](http://en.wikipedia.org/wiki/ANSI_escape_code)

Install

\$ npm install --save has-ansi

Usage

```
```js
```

```
var hasAnsi = require('has-ansi');
```

```
hasAnsi('\u001b[4mcake\u001b[0m');
```

```
//=> true
```

```
hasAnsi('cake');
```

```
//=> false
```

```
```
```

Related

- [has-ansi-cli](https://github.com/sindresorhus/has-ansi-cli) - CLI for this module
- [strip-ansi](https://github.com/sindresorhus/strip-ansi) - Strip ANSI escape codes
- [ansi-regex](https://github.com/sindresorhus/ansi-regex) - Regular expression for matching ANSI escape codes
- [chalk](https://github.com/sindresorhus/chalk) - Terminal string styling done right

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1.8 supports-color 2.0.0

1.8.1 Available under license :

```
# supports-color [![Build Status](https://travis-ci.org/chalk/supports-color.svg?branch=master)](https://travis-ci.org/chalk/supports-color)
```

> Detect whether a terminal supports color

Install

```
$ npm install --save supports-color
```

Usage

```
```js
```

```
var supportsColor = require('supports-color');
```

```
if (supportsColor) {
 console.log('Terminal supports color');
}
```

```
```
```

It obeys the `--color` and `--no-color` CLI flags.

For situations where using `--color` is not possible, add an environment variable `FORCE_COLOR` with any value to force color. Trumps `--no-color`.

Related

- [supports-color-cli](https://github.com/chalk/supports-color-cli) - CLI for this module

- [chalk](https://github.com/chalk/chalk) - Terminal string styling done right

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1.9 unicodcsv 0.14.1

1.9.1 Available under license :

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```
license='BSD License',  
'License :: OSI Approved :: BSD License',
```

Found in path(s):

```
* /opt/cola/permits/113619482_1695287522.204296/0/unicodcsv-0-14-1-3-tar-gz/unicodcsv-0.14.1/setup.py
```

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Metadata-Version: 1.1

Name: unicodcsv

Version: 0.14.1

Summary: Python2's stdlib csv module is nice, but it doesn't support unicode. This module is a drop-in replacement which *does*.

Home-page: <https://github.com/jdunck/python-unicodcsv>

Author: Jeremy Dunck

Author-email: jdunck@gmail.com

License: BSD License

Description: unicodcsv

=====

The unicodcsv is a drop-in replacement for Python 2.7's csv module which supports unicode strings without a hassle. Supported versions are python 2.7, 3.3, 3.4, 3.5, and pypy 2.4.0.

More fully

Python 2's csv module doesn't easily deal with unicode strings, leading to the dreaded "'ascii' codec can't encode characters in position ..." exception.

You can work around it by encoding everything just before calling write (or just after read), but why not add support to the serializer?

.. code-block:: pycon

```
>>> import unicodcsv as csv  
>>> from io import BytesIO  
>>> f = BytesIO()  
>>> w = csv.writer(f, encoding='utf-8')  
>>> _ = w.writerow((u'é', u'ñ'))  
>>> _ = f.seek(0)  
>>> r = csv.reader(f, encoding='utf-8')
```

```
>>> next(r) == [u'é', u'ñ']
True
```

Note that `unicodcsv` expects a bytestream, not unicode -- so there's no need to use ``codecs.open`` or similar wrappers. Plain ``open(..., 'rb')`` will do.

(Version 0.14.0 dropped support for python 2.6, but 0.14.1 added it back. See [c0b7655248c4249](#) for the mistaken, breaking change.)

Platform: UNKNOWN

Classifier: Development Status :: 5 - Production/Stable

Classifier: Intended Audience :: Developers

Classifier: License :: OSI Approved :: BSD License

Classifier: Natural Language :: English

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

Classifier: Programming Language :: Python :: Implementation :: PyPy

Classifier: Programming Language :: Python :: Implementation :: CPython

Found in path(s):

* /opt/cola/permits/113619482_1695287522.204296/0/unicodcsv-0-14-1-3-tar-gz/unicodcsv-

0.14.1/unicodcsv.egg-info/PKG-INFO

* /opt/cola/permits/113619482_1695287522.204296/0/unicodcsv-0-14-1-3-tar-gz/unicodcsv-0.14.1/PKG-INFO

1.10 buffer-xor 1.0.3

1.10.1 Available under license :

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1.11 backbone 1.2.3

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1.12 syslinux 6.03

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*

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```
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glennrp at users.sourceforge.net

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1.13 browserify-rsa 4.0.1

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1.14 python-backports-ssl-match-hostname

3.5.0.1

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1.15 fastclick 1.0.6

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1.16 backbone 1.3.3

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1.17 backbone-computedfields 0.0.12

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```
/**
 * Sinon.JS 1.5.0, 2012/10/19
 *
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 * @author Contributors: https://github.com/cjohansen/Sinon.JS/blob/master/AUTHORS
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* /opt/cola/permits/147231139_1695304164.8714235/0/master-179-zip/backbone-computedfields-master/lib/backbone.computedfields.js

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* Bootstrap Responsive v2.1.1

*

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* mocha
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/**

* Inspects an object.
*
* @see taken from node.js `util` module (copyright Joyent, MIT license)

```
* @api private
*/
/**
 * Asserts deep equality
 *
 * @see taken from node.js `assert` module (copyright Joyent, MIT license)
 * @api private
 */
```

Found in path(s):

```
*/opt/cola/permits/147231139_1695304164.8714235/0/master-179-zip/backbone-computedfields-
master/test/lib/expect.js
```

1.18 backgrid-filter 0.3.7

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1.19 inflight 1.0.6

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1.21 wrappy 1.0.2

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Metadata-Version: 1.1

Name: cookies

Version: 2.2.1

Summary: Friendlier RFC 6265-compliant cookie parser/renderer

Home-page: <https://github.com/sashahart/cookies>

Author: Sasha Hart

Author-email: s@sashahart.net

License: UNKNOWN

Description: What is this and what is it for?

cookies.py is a Python module for working with HTTP cookies: parsing and rendering 'Cookie:' request headers and 'Set-Cookie:' response headers, and exposing a convenient API for creating and modifying cookies. It can be

used as a replacement of Python's Cookie.py (aka http.cookies).

Features

- * Rendering according to the excellent new RFC 6265 (rather than using a unique ad hoc format inconsistently relating to unrealistic, very old RFCs which everyone ignored). Uses URL encoding to represent

non-ASCII by default, like many other languages' libraries

- * Liberal parsing, incorporating many complaints about Cookie.py barfing on common cookie formats which can be reliably parsed (e.g. search 'cookie' on the Python issue tracker)
- * Well-documented code, with chapter and verse from RFCs (rather than arbitrary, undocumented decisions and huge tables of magic values, as you see in Cookie.py).
- * Test coverage at 100%, with a much more comprehensive test suite than Cookie.py
- * Single-source compatible with the following Python versions: 2.6, 2.7, 3.2, 3.3 and PyPy (2.7).
- * Cleaner, less surprising API::

```
# old Cookie.py - this code is all directly from its docstring
>>> from Cookie import SmartCookie
>>> C = SmartCookie()
>>> # n.b. it's "smart" because it automatically pickles Python objects,
>>> # which is actually
```

quite stupid for security reasons!

```
>>> C["rocky"] = "road"
>>> C["rocky"]["path"] = "/cookie"
>>> # So C["rocky"] is a string, except when it's a dict...
>>> # and why do I have to write [""] to access a fixed set of attrs?
>>> # Look at the atrocious way I render out a request header:
>>> C.output(attrs=[], header="Cookie:")
'Cookie: rocky=road'
```

```
# new cookies.py
>>> from cookies import Cookies, Cookie
>>> cookies = Cookies(rocky='road')
>>> # Can also write explicitly: cookies['rocky'] = Cookie['road']
>>> cookies['rocky'].path = "/cookie"
>>> cookies.render_request()
'rocky=road'
```

- * Friendly to customization, extension, and reuse of its parts. Unlike Cookie.py, it doesn't lock all implementation inside its own classes (forcing you to write ugly wrappers as Django, Trac, Werkzeug/Flask,

web.py

and Tornado had to do). You can suppress minor parse exceptions with

parameters rather than subclass wrappers. You can plug in your own parsers, renderers and validators for new or existing cookie attributes. You can render the data out in a dict. You can easily use the underlying imperative API or even lift the parser's regexps for your own parser or project. They are very well documented and relate directly to RFCs, so you know exactly what you are getting and why. It's MIT-licensed so do

what you want (but I'd love to know what use you are getting from it!)

- * One file, so you can just drop cookies.py into your project if you like
- * MIT license, so you can use it in whatever you want with no strings

Things this is not meant to do

While this is intended to be a good module for handling cookies, it does not even try to do any of the following:

- * Maintain backward compatibility with Cookie.py, which would mean inheriting its confusions and bugs
- * Implement RFCs 2109 or 2965, which have always been ignored by almost everyone and are now obsolete as well
- * Handle every conceivable output from terrible legacy apps, which is not possible to do without lots of silent data loss and corruption (the parser does try to be liberal as possible otherwise, though)
- * Provide a means to store pickled Python objects in cookie values (that's a big security hole)

This doesn't compete with the cookielib (<http://cookiejar>) module in the Python standard library, which is specifically for implementing cookie storage and similar behavior in an HTTP client such as a browser. Things cookielib does that this doesn't:

- * Write to or read from browsers' cookie stores
- or other proprietary
formats for storing cookie data in files
- * Handle the browser/client logic like deciding which cookies to send or discard, etc.

If you are looking for a cookie library but neither this one nor cookielib will help, you might also consider the implementations in WebOb or Bottle.

Platform: UNKNOWN

Classifier: Development Status :: 4 - Beta

Classifier: Environment :: Other Environment

Classifier: Intended Audience :: Developers

Classifier: License :: OSI Approved :: MIT License

Classifier: Programming Language :: Python :: 2.6

Classifier: Programming Language :: Python :: 2.7

Classifier: Programming Language :: Python :: 3

Classifier: Programming Language :: Python :: 3.2

Classifier: Programming Language :: Python :: 3.3
Classifier: Programming Language :: Python :: Implementation :: PyPy
Classifier: Topic :: Software Development :: Libraries :: Python Modules

Found in path(s):

```
* /opt/cola/permits/148343421_1695307977.777354/0/cookies-2-2-1-tar-gz/cookies-2.2.1/cookies.egg-info/PKG-INFO
```

```
*
```

```
/opt/cola/permits/148343421_1695307977.777354/0/cookies-2-2-1-tar-gz/cookies-2.2.1/PKG-INFO
```

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What is this and what is it for?

cookies.py is a Python module for working with HTTP cookies: parsing and rendering 'Cookie:' request headers and 'Set-Cookie:' response headers, and exposing a convenient API for creating and modifying cookies. It can be used as a replacement of Python's Cookie.py (aka http.cookies).

Features

- * Rendering according to the excellent new RFC 6265 (rather than using a unique ad hoc format inconsistently relating to unrealistic, very old RFCs which everyone ignored). Uses URL encoding to represent non-ASCII by default, like many other languages' libraries
- * Liberal parsing, incorporating many complaints about Cookie.py barfing on common cookie formats which can be reliably parsed (e.g. search 'cookie' on the Python issue tracker)
- * Well-documented code, with chapter and verse from RFCs (rather than arbitrary, undocumented decisions and huge tables of magic values, as you see in Cookie.py).
- * Test coverage at 100%, with a much more comprehensive test suite than Cookie.py
- * Single-source compatible with the following Python versions: 2.6, 2.7, 3.2, 3.3 and PyPy (2.7).
- * Cleaner, less surprising API::

```
# old Cookie.py - this code is all directly from its docstring
>>> from Cookie import SmartCookie
>>> C = SmartCookie()
>>> # n.b. it's "smart" because it automatically pickles Python objects,
>>> # which is actually quite stupid for security reasons!
>>> C["rocky"] = "road"
>>> C["rocky"]["path"] = "/cookie"
>>> # So C["rocky"] is a string, except when it's a dict...
>>> # and why do I have to write ["" ] to access a fixed set of attrs?
```

```
>>> # Look at the atrocious way I render out a request header:
```

```
>>> C.output(attrs=[], header="Cookie:")
```

```
'Cookie: rocky=road'
```

```
# new cookies.py
```

```
>>> from cookies import Cookies, Cookie
```

```
>>> cookies = Cookies(rocky='road')
```

```
>>> # Can also write explicitly: cookies['rocky'] = Cookie['road']
```

```
>>> cookies['rocky'].path = "/cookie"
```

```
>>> cookies.render_request()
```

```
'rocky=road'
```

* Friendly to customization, extension, and reuse of its parts.

Unlike Cookie.py, it doesn't lock all implementation inside its own classes (forcing you to write ugly wrappers as Django, Trac, Werkzeug/Flask, web.py and Tornado had to do). You can suppress minor parse exceptions with parameters rather than subclass wrappers. You can plug in your own parsers, renderers and validators for new or existing cookie attributes. You can render the data out in a dict. You can easily use the underlying imperative API or even lift the parser's regexps for your own parser or project. They are very well documented and relate directly to RFCs, so you know exactly what you are getting and why. It's MIT-licensed so do

what you want (but I'd love to know what use you are getting from it!)

* One file, so you can just drop

cookies.py into your project if you like

* MIT license, so you can use it in whatever you want with no strings

Things this is not meant to do

While this is intended to be a good module for handling cookies, it does not even try to do any of the following:

* Maintain backward compatibility with Cookie.py, which would mean inheriting its confusions and bugs

* Implement RFCs 2109 or 2965, which have always been ignored by almost everyone and are now obsolete as well

* Handle every conceivable output from terrible legacy apps, which is not possible to do without lots of silent data loss and corruption (the parser does try to be liberal as possible otherwise, though)

* Provide a means to store pickled Python objects in cookie values (that's a big security hole)

This doesn't compete with the cookielib (<http://cookielib>) module in the Python standard library, which is specifically for implementing cookie storage and similar behavior in an HTTP client such as a browser. Things cookielib does that this doesn't:

* Write to or read from browsers' cookie stores or other proprietary

formats for storing cookie data in files

* Handle the browser/client logic like deciding which cookies to send or discard, etc.

If you are looking for a cookie library but neither this one nor cookielib will help, you might also consider the implementations in WebOb or Bottle.

Found in path(s):

* /opt/cola/permits/148343421_1695307977.777354/0/cookies-2-2-1-tar-gz/cookies-2.2.1/README

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```
from setuptools import setup, Command
from cookies import __version__

class Test(Command):
    user_options = []

    def initialize_options(self):
        pass

    def finalize_options(self):
        pass

    def run(self):
        try:
            import pytest
        except ImportError:
            raise AssertionError("Install py.test to run the tests")
        import sys, subprocess
        errno = subprocess.call([sys.executable, '-m', 'py.test'])
        raise SystemExit(errno)

setup(
    name="cookies",
    version=__version__,
    author="Sasha Hart",
    author_email="s@sashahart.net",
    url="https://github.com/sashahart/cookies",
    py_modules=['cookies', 'test_cookies'],
    description="Friendlier RFC 6265-compliant cookie parser/renderer",
    long_description=open('README').read(),
    classifiers=[
        "Development Status :: 4 - Beta",
        "Environment :: Other Environment",
        "Intended Audience :: Developers",
        "License :: OSI Approved :: MIT License",
        "Programming Language :: Python :: 2.6",
```

```

"Programming Language :: Python :: 2.7",
"Programming Language :: Python :: 3",
"Programming Language :: Python :: 3.2",
"Programming Language :: Python :: 3.3",
"Programming Language :: Python :: Implementation :: PyPy",
"Topic :: Software Development :: Libraries :: Python Modules",
],
cmdclass = {'test': Test},
)

```

Found in path(s):

```
* /opt/cola/permits/148343421_1695307977.777354/0/cookies-2-2-1-tar-gz/cookies-2.2.1/setup.py
```

1.23 django-bulk-update 1.1.10

1.23.1 Available under license :

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Metadata-Version: 1.1

Name: django-bulk-update

Version: 1.1.10

Summary: Bulk update using one query over Django ORM.

Home-page: <https://github.com/aykut/django-bulk-update>

Author: Aykut Ozat

Author-email: aykutozat@gmail.com

License: UNKNOWN

Description: django-bulk-update

```

=====
[![Build Status](https://travis-ci.org/aykut/django-bulk-update.svg?branch=master)](https://travis-
ci.org/aykut/django-bulk-update)

```

```

[![Coverage Status](https://coveralls.io/repos/aykut/django-bulk-
update/badge.svg?branch=master)](https://coveralls.io/r/aykut/django-bulk-update?branch=master)

```

Simple bulk update over Django ORM or with helper function.

This project aims to bulk update given objects using **one query** over **Django ORM**.

Installation

```

=====
pip install django-bulk-update

```

Usage

```

=====
With manager:

```

```

```python

```

```

import random
from bulk_update.manager import BulkUpdateManager
from tests.models import Person

class Person(models.Model):
 ...
 objects = BulkUpdateManager()

random_names = ['Walter', 'The Dude', 'Donny', 'Jesus']
people = Person.objects.all()
for person in people:
 person.name = random.choice(random_names)

Person.objects.bulk_update(people, update_fields=['name']) # updates only name column
Person.objects.bulk_update(people, exclude_fields=['username']) # updates all columns except username
Person.objects.bulk_update(people) # updates all columns
Person.objects.bulk_update(people, batch_size=50000) # updates all columns by 50000 sized chunks
...

```

With helper:

```

```python

import random
from bulk_update.helper import bulk_update
from tests.models import Person

random_names = ['Walter', 'The Dude', 'Donny', 'Jesus']
people = Person.objects.all()
for person in people:
    person.name = random.choice(random_names)

bulk_update(people, update_fields=['name']) # updates only name column
bulk_update(people, exclude_fields=['username']) # updates all columns except username
bulk_update(people, using='someotherdb') # updates all columns using the given db
bulk_update(people) # updates all columns using the default db
bulk_update(people, batch_size=50000) # updates all columns by 50000 sized chunks using the default db
...

```

Note: You can consider to use `.only('name')` when you only want to update `name`, so that Django will only retrieve name data from db.

And consider to use `.defer('username')` when you don't want to update `username`, so Django won't retrieve username from db.

These optimization can improve the performance even more.

Performance Tests:

=====

Here we test the performance of the `bulk_update` function vs. simply calling
`.save()` on every object update (`dmmmy_update`). The interesting metric is the speedup using
the `bulk_update` function more than the actual raw times.

```
``python
# Note: SQLite is unable to run the `timeit` tests
# due to the max number of sql variables
In [1]: import os
In [2]: import timeit
In [3]: import django

In [4]: os.environ['DJANGO_SETTINGS_MODULE'] = 'tests.test_settings'
In [5]: django.setup()

In [6]: from tests.fixtures import create_fixtures

In [7]: django.db.connection.creation.create_test_db()
In [8]: create_fixtures(1000)

In [9]: setup="""
import random
from bulk_update import helper
from tests.models import Person
random_names = ['Walter', 'The Dude', 'Donny', 'Jesus']
ids = list(Person.objects.values_list('id', flat=True)[:1000])
people = Person.objects.filter(id__in=ids)
for p in people:
    name = random.choice(random_names)
    p.name = name
    p.email = '%s@example.com' % name
bu_update = lambda: helper.bulk_update(people, update_fields=['name', 'email'])
"""

In [10]: bu_perf = min(timeit.Timer('bu_update()', setup=setup).repeat(7, 100))

In [11]: setup="""
import random
from tests.models import Person
from django.db.models import F
random_names = ['Walter', 'The Dude', 'Donny', 'Jesus']
ids = list(Person.objects.values_list('id', flat=True)[:1000])
people = Person.objects.filter(id__in=ids)
def dmmmy_update():
    for p in people:
        name = random.choice(random_names)
```

```
p.name = name
p.email = '%s@example.com' % name
p.save(update_fields=['name', 'email'])
'''
```

```
In [12]: dmy_perf = min(timeit.Timer('dmy_update()', setup=setup).repeat(7, 100))
In [13]: print 'Bulk update performance: %.2f. Dummy update performance: %.2f. Speedup: %.2f.' % (bu_perf,
dmy_perf, dmy_perf / bu_perf)
Bulk update performance: 7.05. Dummy update performance: 373.12. Speedup: 52.90.
'''
```

Requirements

=====

- Django 1.2+

Contributors

=====

- [aykut](<https://github.com/aykut>)
- [daleobrien](<https://github.com/daleobrien>)
- [sruon](<https://github.com/sruon>)
- [HowerHell](<https://github.com/HowerHell>)
- [c-nichols](<https://github.com/c-nichols>)
- [towr](<https://github.com/towr>)
- [joshblum](<https://github.com/joshblum>)
- [luzfcb](<https://github.com/luzfcb>)
- [torchingloom](<https://github.com/torchingloom>)
- [cihann](<https://github.com/cihann>)
- [wetneb](<https://github.com/wetneb>)
- [tatterdemalion](<https://github.com/tatterdemalion>)
- [gabriel-laet](<https://github.com/gabriel-laet>)

TODO

=====

- Geometry Fields support

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=====

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Platform: UNKNOWN

Classifier: Environment :: Web Environment

Classifier: Framework :: Django

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 :: 2.7
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 3.3
Classifier: Programming Language :: Python :: 3.4
Classifier: Topic :: Internet :: WWW/HTTP
Classifier: Topic :: Internet :: WWW/HTTP :: Dynamic Content

Found in path(s):

* /opt/cola/permits/148344584_1695307979.0263047/0/django-bulk-update-1-1-10-tar-gz/django-bulk-update-1.1.10/PKG-INFO

* /opt/cola/permits/148344584_1695307979.0263047/0/django-bulk-update-1-1-10-tar-gz/django-bulk-update-1.1.10/django_bulk_update.egg-info/PKG-INFO

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1.24 brorand 1.1.0

1.24.1 Available under license :

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* /opt/cola/permits/150803033_1695308396.3979056/0/brorand-1-1-0-zip/brorand-1.1.0/README.md

1.25 browserify-sign 4.0.4

1.25.1 Available under license :

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1.26 jsesc 0.5.0

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1.27 json5 0.5.1

1.27.1 Available under license :

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1.28 xmldict 0.11.0

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1.29 appdirs 1.4.3

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1.30 strict-rfc3339 0.7

1.30.1 Available under license :

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1.39 anymatch 1.3.2

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1.42 array-unique 0.2.1

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1.43 async-each 1.0.1

1.43.1 Available under license :

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```
// async-each MIT license (by Paul Miller from http://paulmillr.com).
```

Found in path(s):

```
* /opt/cola/permits/162679260_1695313299.4595304/0/async-each-zip/async-each/index.js
```

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```
# async-each
```

No-bullshit, ultra-simple, 35-lines-of-code async parallel forEach function for JavaScript.

We don't need junky 30K async libs. Really.

For browsers and node.js.

```
## Installation
```

```
* Just include async-each before your scripts.
```

```
* `npm install async-each` if you're using node.js.
```

```
* `bower install async-each` if you're using [Bower](http://bower.io).
```

```
## Usage
```

```
* `each(array, iterator, callback);` — `Array`, `Function`, `(optional) Function`
```

```
* `iterator(item, next)` receives current item and a callback that will mark the item as done. `next` callback receives optional `error, transformedItem` arguments.
```

```
* `callback(error, transformedArray)` optionally receives first error and transformed result `Array`.
```

Node.js:

```
```javascript
var each = require('async-each');
each(['a.js', 'b.js', 'c.js'], fs.readFile, function(error, contents) {
 if (error) console.error(error);
 console.log('Contents for a, b and c:',
 contents);
});
```
```

Browser:

```
```javascript
window.asyncEach(list, fn, callback);
```
```

```
## License
```

[The MIT License](https://raw.githubusercontent.com/paulmillr/mit/master/README.md)

Found in path(s):

* /opt/cola/permits/162679260_1695313299.4595304/0/async-each-zip/async-each/README.md

1.44 babel-polyfill 6.26.0

1.44.1 Available under license :

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```
/**
```

```
* Copyright (c) 2014, Facebook, Inc.
```

```
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```

```
*
```

```
* This source code is licensed under the BSD-style license found in the
```

```
* https://raw.githubusercontent.com/facebook/regenerator/master/LICENSE file. An
```

```
* additional grant of patent rights can be found in the PATENTS file in
```

```
* the same directory.
```

```
*/
```

Found in path(s):

* /opt/cola/permits/162680167_1695313273.487567/0/babel-polyfill-4-zip/babel-polyfill/node_modules/regenerator-runtime/runtime.js

* /opt/cola/permits/162680167_1695313273.487567/0/babel-polyfill-4-zip/babel-polyfill/dist/polyfill.js

1.45 babel-runtime 6.26.0

1.46 balanced-match 1.0.0

1.46.1 Available under license :

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1.47 strip-ansi 3.0.1

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1.48 brace 1.8.5

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1.49 chalk 1.1.3

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1.50 chokidar 1.7.0

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Found in path(s):

* /opt/cola/permits/162688776_1695313339.2275658/0/chokidar-4-zip/chokidar/README.md

1.51 source-map-support 0.4.18

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1.52 set-immediate-shim 1.0.1

1.53 safe-buffer 5.1.1

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1.54 repeat-string 1.6.1

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1.55 repeat-element 1.1.2

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1.56 regex-cache 0.4.4

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1.57 core-util-is 1.0.2

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1.58 readdirp 2.1.0

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1.59 randomatic 1.1.7

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1.60 punycode 1.4.1

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1.61 preserve 0.2.0

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1.62 debug 2.6.9

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1.63 escape-string-regexp 1.0.5

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1.64 path-is-absolute 1.0.1

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1.65 expand-brackets 0.1.5

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1.66 expand-range 1.8.2

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1.67 extglob 0.3.2

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1.68 parse-glob 3.0.4

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1.69 normalize-path 2.1.1

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1.70 ms 2.0.0

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1.79 graceful-fs 4.1.11

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1.87 webcolors 1.7

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1.88 ifupdown 0.8.16

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Source: <https://anonscm.debian.org/cgit/collab-maint/ifupdown.git>

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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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1.90 babel-code-frame 6.26.0

1.91 esutils 2.0.2

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1.104 babel-helper-get-function-arity 6.24.1

1.105 babel-helper-hoist-variables 6.24.1

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1.132 babel-plugin-transform-es2015-unicode-regex 6.24.1

1.133 babel-plugin-transform-strict-mode 6.24.1

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1.138 binary-extensions 1.11.0

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1.140 detect-indent 4.0.0

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1.142 home-or-tmp 2.0.0

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1.146 regenerate 1.3.3

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1.147 regenerator-transform 0.10.1

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*/opt/cola/permits/172800841_1695317787.8567624/0/regenerator-transform-0-10-1-tar-gz/package/src/visit.js  
*/opt/cola/permits/172800841_1695317787.8567624/0/regenerator-transform-0-10-1-tar-gz/package/src/meta.js  
*/opt/cola/permits/172800841_1695317787.8567624/0/regenerator-transform-0-10-1-tar-gz/package/src/index.js  
*/opt/cola/permits/172800841_1695317787.8567624/0/regenerator-transform-0-10-1-tar-gz/package/src/emit.js  
*/opt/cola/permits/172800841_1695317787.8567624/0/regenerator-transform-0-10-1-tar-gz/package/src/leap.js  
*
```

```
/opt/cola/permits/172800841_1695317787.8567624/0/regenerator-transform-0-10-1-tar-gz/package/src/util.js  
*/opt/cola/permits/172800841_1695317787.8567624/0/regenerator-transform-0-10-1-tar-gz/package/src/hoist.js  
*/opt/cola/permits/172800841_1695317787.8567624/0/regenerator-transform-0-10-1-tar-gz/package/lib/visit.js
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1.148 regexpu-core 2.0.0

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1.152 to-fast-properties 1.0.3

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1.154 user-home 1.1.1

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1.155 v8flags 2.1.1

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1.156 cipher-base 1.0.4

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1.157 hmac-drbg 1.0.1

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Found in path(s):

* /opt/cola/permits/173222267_1695320471.5921743/0/1473-hmac-drbg-1-0-1-tgz/package/README.md

1.158 md5js 1.3.4

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1.159 miller-rabin 4.0.1

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```

```
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```

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```
* /opt/cola/permits/173223781_1695320349.2920482/0/1569-miller-rabin-4-0-1-tgz/package/README.md
```

1.160 minimalistic-crypto-utils 1.0.1

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```
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```

```
[![Build Status](https://secure.travis-ci.org/indutny/minimalistic-crypto-utils.svg)](http://travis-ci.org/indutny/minimalistic-crypto-utils)
```

```
[![NPM version](https://badge.fury.io/js/minimalistic-crypto-utils.svg)](http://badge.fury.io/js/minimalistic-crypto-
```

utils)

Very minimal utils that are required in order to write reasonable JS-only crypto module.

Usage

```
```js
const utils = require('minimalistic-crypto-utils');
```

```
utils.toArray('abcd', 'hex');
utils.encode([1, 2, 3, 4], 'hex');
utils.toHex([1, 2, 3, 4]);
```
```

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[0]: <http://tools.ietf.org/html/rfc6979>
[1]: <https://github.com/indutny/bn.js>
[2]: <https://github.com/indutny/hash.js>
[3]: <https://github.com/bitchan/eccrypto>
[4]: <https://github.com/wanderer/secp256k1-node>

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1.161 moment 2.19.1

1.161.1 Available under license :

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1.162 websocket-client 0.47.0

1.162.1 Available under license :

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Version 2.1, February 1999

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1.163 crypto-browserify 3.12.0

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1.164 brace-expansion 1.1.11

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1.165 process-nextick-args 2.0.0

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1.166 regenerator-runtime 0.11.1

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*/

Found in path(s):

* /opt/cola/permits/175074483_1695324263.486203/0/1766-regenerator-runtime-0-11-1-tgz/package/path.js

* /opt/cola/permits/175074483_1695324263.486203/0/1766-regenerator-runtime-0-11-1-tgz/package/runtime.js

* /opt/cola/permits/175074483_1695324263.486203/0/1766-regenerator-runtime-0-11-1-tgz/package/runtime-module.js

1.167 source-map 0.5.7

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1.168 coverage 4.3.4

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1.169 ipython-genutils 0.2.0

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1.170 traitlets 4.3.2

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1.172 wsaccel 0.6.2

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```
Metadata-Version: 1.1  
Name: wsaccel  
Version: 0.6.2  
Summary: Accelerator for ws4py and AutobahnPython  
Home-page: https://github.com/methane/wsaccel  
Author: INADA Naoki  
Author-email: songofacandy@gmail.com  
License: Apache  
Description: WSAccell
```

=====

WSAccell is WebSocket accelerator for `AutobahnPython` <<http://autobahn.ws/python>>`_.

`ws4py <<https://github.com/Lawouach/WebSocket-for-Python>>`_ and
`Tornado <<http://www.tornadoweb.org/>>`_.

WSAccel replaces per-byte process in them with Cython version.

AutobahnPython beginning with version 0.6 automatically uses WSAccel if available.

Otherwise you can run-time patch supported WebSocket libraries using:

```
.. code-block:: python
```

```
import wsaccel
wsaccel.patch_autobahn() # for autobahn.
wsaccel.patch_ws4py()   # for ws4py.
```

```
wsaccel.patch_tornado() # for Tornado
```

Platform: any

Classifier: Intended Audience :: Developers

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 :: 3.2

Classifier: Programming Language :: Python :: 3.3

Classifier: Programming Language :: Python :: Implementation :: CPython

Found in path(s):

* /opt/cola/permits/178634281_1695329474.5889049/0/wsaccel-0-6-2-tar-gz/wsaccel-0.6.2/PKG-INFO

1.173 diff-match-patch 20121119

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1.174 backgrid 0.3.8

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1.175 lunr 0.7.2

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1.176 pvutils 1.0.12

1.177 pkijs 2.1.10

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1.181 readable-stream 2.3.6

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1.183 babel-generator 6.26.1

1.184 i18next 7.2.3

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1.185 gsap 1.20.3

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```
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/src/uncompressed/TimelineMax.js  
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-  
tgz/package/src/uncompressed/plugins/CSSPlugin.js  
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/src/minified/TimelineLite.min.js  
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/TimelineMax.js  
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/CSSPlugin.js  
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/TimelineLite.js  
*  
/opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/TweenLite.js  
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/src/minified/TimelineMax.min.js  
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/src/minified/TweenLite.min.js  
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/src/uncompressed/TimelineLite.js  
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-  
tgz/package/src/minified/plugins/CSSPlugin.min.js  
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/src/uncompressed/TweenLite.js
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* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/PixiPlugin.js

* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-

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* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/ColorPropsPlugin.js

* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-

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* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/CSSRulePlugin.js

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```

```
tgz/package/src/uncompressed/plugins/EndArrayPlugin.js
```

```
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-
```

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tgz/package/src/minified/plugins/EndArrayPlugin.min.js
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```
*
```

```
* Includes all of the following: TweenLite, TweenMax, TimelineLite, TimelineMax, EasePack, CSSPlugin, RoundPropsPlugin, BezierPlugin, AttrPlugin, DirectionalRotationPlugin
```

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```

```
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/src/uncompressed/TweenMax.js
```

```
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* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/src/minified/plugins/DirectionalRotationPlugin.min.js

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* Requires TweenLite and CSSPlugin version 1.17.0 or later (TweenMax contains both TweenLite and CSSPlugin).

ThrowPropsPlugin is required for momentum-based continuation of movement after the mouse/touch is released (ThrowPropsPlugin is a membership benefit of Club GreenSock - <http://greensock.com/club/>).

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* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/src/minified/utills/Draggable.min.js

* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-

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* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/EasePack.js

* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-

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tgz/package/src/uncompressed/plugins/BezierPlugin.js

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* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/src/uncompressed/plugins/RoundPropsPlugin.js
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* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/src/uncompressed/plugins/RaphaelPlugin.js
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/RaphaelPlugin.js
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- * /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/ScrollToPlugin.js
- * /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/src/uncompressed/plugins/ScrollToPlugin.js
- * /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/src/minified/plugins/ScrollToPlugin.min.js

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- * /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/src/uncompressed/plugins/ModifiersPlugin.js
- * /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/src/minified/plugins/ModifiersPlugin.min.js
- * /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/ModifiersPlugin.js

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- * /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/src/minified/plugins/TextPlugin.min.js
- * /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/TextPlugin.js
- * /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/src/uncompressed/plugins/TextPlugin.js

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```
/*!  
* VERSION: 1.2.0  
* DATE: 2017-01-17  
* UPDATES AND DOCS AT: http://greensock.com  
*  
* This file is to be used as a simple template for writing your own plugin. See the  
* TweenPlugin docs for more details.  
*  
* You can start by doing a search for "yourCustomProperty" and replace it with whatever the name  
* of your property is. This way of defining a plugin was introduced in version 1.9.0 - previous versions  
* of TweenLite won't work with this.  
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```

Found in path(s):

```
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/TEMPLATE_Plugin.js  
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-  
tgz/package/src/uncompressed/plugins/TEMPLATE_Plugin.js  
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```

```
/*!  
* VERSION: 0.1.12  
* DATE: 2017-01-17  
* UPDATES AND DOCS AT: http://greensock.com/jquery-gsap-plugin/  
*  
* Requires TweenLite version 1.8.0 or higher and CSSPlugin.  
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```

Found in path(s):

```
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/jquery.gsap.js  
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/src/minified/jquery.gsap.min.js  
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/src/uncompressed/jquery.gsap.js  
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```

Found in path(s):

```
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/EaselPlugin.js
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-
tgz/package/src/minified/plugins/EaselPlugin.min.js
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-
tgz/package/src/uncompressed/plugins/EaselPlugin.js
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```

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```
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-
tgz/package/src/uncompressed/plugins/AttrPlugin.js
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/AttrPlugin.js
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-
tgz/package/src/minified/plugins/AttrPlugin.min.js
```

1.186 netns

2c9454e4fc6e2edc1a1c84e64ed3d6e662fb699

1

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1.187 netlink

dbc72376c86301bb873c332830857e73c9f701e

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1.189 gojonschema

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1.190 safe-buffer 5.1.2

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1.191 babel-cli 6.26.0

1.192 babel-plugin-transform-regenerator 6.26.0

1.193 babel-core 6.26.0

1.194 async-timeout 3.0.0

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1.195 decorator 4.3.0

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1.196 minimalist 1.2.0

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1.198 browserify-cipher 1.0.1

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1.199 create-ecdh 4.0.3

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1.200 create-hash 1.2.0

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1.201 create-hmac 1.1.7

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1.202 diffie-hellman 5.0.3

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1.203 hash-base 3.0.4

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1.204 minimalistic-assert 1.0.1

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1.205 pbkdf2 3.0.16

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1.206 public-encrypt 4.0.2

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1.207 randomfill 1.0.4

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1.209 ntlm-auth 1.2.0

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1.210 moment-duration-format 2.2.2

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1.212 backcall 0.1.0

1.213 jdcal 1.4

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1.214 django-auth-ldap 1.7.0

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1.216 automat 0.7.0

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1.217 et-xmlfile 1.0.1

1.218 txaio 18.8.1

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1.219 django-cors-headers 2.4.0

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1.220 odfpy 1.3.6

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1.222 supports-color 5.5.0

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1.227 flatpickr 4.5.2

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1.228 babel-helper-regex 6.24.1

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1.229 responses 0.10.5

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1.232 urllib3 1.24.2

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* victor.vde <<http://code.google.com/u/victor.vde/>>

* HTTPS patch (which inspired HTTPSConnectionPool)

* erikcederstrand <<http://code.google.com/u/erikcederstrand/>>

* NTLM-authenticated HTTPSConnectionPool

* Basic-authenticated HTTPSConnectionPool (merged into make_headers)

* niphlod <niphlod@gmail.com>

* Client-verified SSL certificates for HTTPSConnectionPool

* Response gzip and deflate encoding support

- * Better unicode support for filepost using StringIO buffers

- * btoconnor <brian@btoconnor.net>
 - * Non-multipart encoding for POST requests

- * p.dobrogost <<http://code.google.com/u/@WBRSRIBZDhBFXQB6/>>
 - * Code review, PEP8 compliance, benchmark fix

- * kennethreitz <me@kennethreitz.com>
 - * Bugfixes, suggestions, Requests integration

- * georgemarshall <<https://github.com/georgemarshall>>
 - * Bugfixes, Improvements and Test coverage

- * Thomas Kluyver <thomas@kluyver.me.uk>
 - * Python 3 support

- * brandon-rhodes <<http://rhodesmill.org/brandon>>
 - * Design review, bugfixes, test coverage.

- * studer <theo.studer@gmail.com>
 - * IPv6 url support and test coverage

- * Shivaram Lingamneni <slingamn@cs.stanford.edu>
 - * Support for explicitly closing pooled connections

- * hartator <hartator@gmail.com>
 - * Corrected multipart behavior for params

- * Thomas Weischuh <thomas@t-8ch.de>
 - * Support for TLS SNI
 - * API unification of ssl_version/cert_reqs
 - * SSL fingerprint and alternative hostname verification
 - * Bugfixes in testsuite

- * Sune Kirkeby <mig@ibofobi.dk>
 - * Optional SNI-support for Python 2 via PyOpenSSL.

- * Marc Schlaich <marc.schlaich@gmail.com>
 - * Various bugfixes and test improvements.

- * Bryce Boe <bbzbryce@gmail.com>
 - * Correct six.moves conflict
 - * Fixed pickle support of some exceptions

- * Boris Figovsky <boris.figovsky@ravello.com>
 - * Allowed to skip SSL hostname verification

- * Cory Benfield
<<https://lukasa.co.uk/about/>>
 - * Stream method for Response objects.
 - * Return native strings in header values.
 - * Generate 'Host' header when using proxies.

- * Jason Robinson <jaywink@basshero.org>
 - * Add missing WrappedSocket.fileno method in PyOpenSSL

- * Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
 - * Fixed a race condition

- * Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
 - * Added HTTPS (CONNECT) proxy support

- * Stephen Holsapple <sholsapp@gmail.com>
 - * Added abstraction for granular control of request fields

- * Martin von Gagern <Martin.vGagern@gmx.net>
 - * Support for non-ASCII header parameters

- * Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
 - * Support for separate connect and request timeouts

- * Peter Waller <p@pwaller.net>
 - * HTTPResponse.tell() for determining amount received over the wire

- * Nipunn Koorapati <nipunn1313@gmail.com>
 - * Ignore default ports when comparing hosts for equality

- * Danilo @dbrgn <<https://dbrgn.ch/>>
 - * Disabled TLS compression by default on Python 3.2+
 - * Disabled TLS compression in pyopenssl contrib module
 - * Configurable cipher suites in pyopenssl contrib module

- * Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
 - * Account retries on proxy errors

- * Nicolas Delaby <nicolas.delaby@ezeep.com>
 - * Use the platform-specific CA certificate locations

- * Josh Schneier <<https://github.com/jschneier>>
 - * HTTPHeaderDict and associated tests and docs
 - * Bugfixes, docs, test coverage

- * Tahia Khan <<http://tahia.tk/>>
 - * Added Timeout examples in docs

- * Arthur Grunseid <<https://grunseid.com>>
- * source_address support and tests (with <https://github.com/bui>)

- * Ian Cordasco <graffatcolmingov@gmail.com>
- * PEP8 Compliance and Linting
- * Add ability to pass socket options to an HTTP Connection

- * Erik Tollerud <erik.tollerud@gmail.com>
- * Support for standard library io module.

- * Krishna Prasad <kprasad.iitd@gmail.com>
- * Google App Engine documentation

- * Aaron Meurer
<asmeurer@gmail.com>
- * Added Url.url, which unparses a Url

- * Evgeny Kapun <abacabadabacaba@gmail.com>
- * Bugfixes

- * Benjamin Meyer <bm_witness@yahoo.com>
- * Security Warning Documentation update for proper capture

- * Shivan Sornarajah <github@sornars.com>
- * Support for using ConnectionPool and PoolManager as context managers.

- * Alex Gaynor <alex.gaynor@gmail.com>
- * Updates to the default SSL configuration

- * Tomas Tomecek <ttomecek@redhat.com>
- * Implemented generator for getting chunks from chunked responses.

- * tlynn <<https://github.com/tlynn>>
- * Respect the warning preferences at import.

- * David D. Riddle <ddriddle@illinois.edu>
- * IPv6 bugfixes in testsuite

- * Thea Flowers <magicalgirl@google.com>
- * App Engine environment tests.
- * Documentation re-write.

- * John Krauss <<https://github.com/talos>>
- * Clues to debugging problems with `cryptography` dependency in docs

- * Disassem <<https://github.com/Disassem>>
- * Fix pool-default headers not applying for url-encoded

requests like GET.

* James Atherfold <jlatherfold@hotmail.com>

* Bugfixes relating to cleanup of connections during errors.

* Christian Pedersen <https://github.com/chripede>

* IPv6 HTTPS proxy bugfix

* Jordan Moldow <https://github.com/jmoldow>

* Fix low-level exceptions leaking from ``HTTPResponse.stream()``.

* Bugfix for ``ConnectionPool.urlopen(release_conn=False)``.

* Creation of ``HTTPConnectionPool.ResponseCls``.

* Predrag Gruevski <https://github.com/obi1kenobi>

* Made cert digest comparison use a constant-time algorithm.

* Adam Talsma <https://github.com/a-tal>

* Bugfix to ca_cert file paths.

* Evan Meagher <https://evanmeagher.net>

* Bugfix related to `memoryview` usage in PyOpenSSL adapter

* John Vandenberg <jayvdb@gmail.com>

* Python 2.6 fixes; pyflakes and pep8 compliance

* Andy Caldwell <andy.m.caldwell@googlemail.com>

* Bugfix related to reusing connections in indeterminate states.

* Ville Skytt <ville.skytta@iki.fi>

* Logging efficiency

improvements, spelling fixes, Travis config.

* Shige Takeda <smtakeda@gmail.com>

* Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response

* Jesse Shapiro <jesse@jesseshapiro.net>

* Various character-encoding fixes/tweaks

* Disabling IPv6 DNS when IPv6 connections not supported

* David Foster <http://dafoster.net/>

* Ensure order of request and response headers are preserved.

* Jeremy Cline <jeremy@jcline.org>

* Added connection pool keys by scheme

* Aviv Palivoda <palaviv@gmail.com>

* History list to Retry object.

* HTTPResponse contains the last Retry object.

- * Nate Prewitt <nate.prewitt@gmail.com>
- * Ensure timeouts are not booleans and greater than zero.
- * Fixed infinite loop in ``stream`` when amt=None.
- * Added length_remaining to determine remaining data to be read.
- * Added enforce_content_length to raise exception when incorrect content-length received.

- * Seth Michael Larson <sethmichaellarson@protonmail.com>
- * Created selectors backport that supports PEP 475.

- * Alexandre Dias <alex.dias@smarkets.com>
- * Don't retry on timeout if method not in whitelist

- * Moinuddin Quadri <moin18@gmail.com>
- * Lazily load idna package

- * Tom White <s6yg1ez3@mail2tor.com>
- * Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

- * Tim Burke <tim.burke@gmail.com>
- * Stop buffering entire deflate-encoded responses.

- * Tuukka Mustonen <tuukka.mustonen@gmail.com>
- * Add counter for status_forcelist retries.

- * Erik Rose <erik@mozilla.com>
- * Bugfix to pyopenssl vendoring

- * Wolfgang Richter <wolfgang.richter@gmail.com>
- * Bugfix related to loading full certificate chains with PyOpenSSL backend.

- * Mike Miller <github@mikeage.net>
- * Logging improvements to include the HTTP(S) port when opening a new connection

- * Ioannis Tziakos <mail@itziakos.gr>
- * Fix ``util.selectors._fileobj_to_fd`` to accept ``long``.
- * Update appveyor tox setup to use the 64bit python.

- * Akamai
(through Jesse Shapiro) <jshapiro@akamai.com>
- * Ongoing maintenance

- * Dominique Leuenberger <dimstar@opensuse.org>
- * Minor fixes in the test suite

- * Will Bond <will@wbond.net>
- * Add Python 2.6 support to ``contrib.securetransport``

- * Aleksei Alekseev <alekseev.yeskela@gmail.com>
- * using auth info for socks proxy

- * Chris Wilcox <git@crwilcox.com>
- * Improve contribution guide
- * Add ``HTTPResponse.geturl`` method to provide ``urllib2.urlopen().geturl()`` behavior

- * Bruce Merry <https://www.brucemerry.org.za>
- * Fix leaking exceptions when system calls are interrupted with zero timeout

- * Hugo van Kemenade <https://github.com/hugovk>
- * Drop support for EOL Python 2.6

- * Tim Bell <https://github.com/timb07>
- * Bugfix for responses with Content-Type: message/* logging warnings

- * Justin Bramley <https://github.com/jbramleycl>
- * Add ability to handle multiple Content-Encodings

- * Katsuhiko YOSHIDA <https://github.com/kyoshidajp>
- * Remove Authorization header regardless of case when redirecting to cross-site

- * [Your name or handle] <[email or website]>
- * [Brief summary of your changes]

1.233 webpack-jquery-ui 2.0.1

1.234 bzip2 1.0.8

1.235 iptables 1.8.3

1.236 open-ldap 2.4.48

1.237 select2 4.0.8

1.237.1 Available under license :

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1.238 sqlite 3.30.1

1.239 json-c 0.99.8

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1.240 gmp 6.1.2

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1.241 ncurses 6.1

1.241.1 Available under license :

Upstream source <https://invisible-island.net/ncurses/ncurses-examples.html>

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

Files: *

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Files: aclocal.m4 package

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Calling this script install-sh is preferred over install.sh, to prevent `make' implicit rules from creating a file called install from it when there is no Makefile.

This script is compatible with the BSD install script, but was written from scratch. It can only install one file at a time, a restriction shared with many OS's install programs.

On Debian systems, the complete text of the GNU General
Public License can be found in '/usr/share/common-licenses/GPL-2'

-- vile: txtmode file-encoding=utf-8

Upstream source <https://invisible-island.net/ncurses/ncurses.html>

This package is used for testing builds of ncurses.

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

Files: *

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Files: alocal.m4 package

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-- $Id: COPYING,v 1.6 2018/01/01 12:00:00 tom Exp $
```

1.242 python-requests 2.22.0

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1.243 popt 1.16

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1.244 python-lxml 4.4.1

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1.245 pyparsing 2.4.2

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1.246 packaging 19.1

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Contributions to the urllib3 project

Creator & Maintainer

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Contributors

In chronological order:

* victor.vde <<http://code.google.com/u/victor.vde/>>

- * HTTPS patch (which inspired HTTPSConnectionPool)

- * erikcederstrand <<http://code.google.com/u/erikcederstrand/>>
- * NTLM-authenticated HTTPSConnectionPool
- * Basic-authenticated HTTPSConnectionPool (merged into make_headers)

- * niphlod <niphlod@gmail.com>
- * Client-verified SSL certificates for HTTPSConnectionPool
- * Response gzip and deflate encoding support
- * Better unicode support for filepost using StringIO buffers

- * btoconnor <brian@btoconnor.net>
- * Non-multipart encoding for POST requests

- * p.dobrogost <<http://code.google.com/u/@WBRSRIBZDhBFXQB6/>>
- * Code review, PEP8 compliance, benchmark fix

- * kennethreitz <me@kennethreitz.com>
- * Bugfixes, suggestions, Requests integration

- * georgemarshal <<https://github.com/georgemarshal>>
- * Bugfixes, Improvements and Test coverage

- * Thomas Kluyver <thomas@kluyver.me.uk>
- * Python 3 support

- * brandon-rhodes <<http://rhodesmill.org/brandon>>
- * Design review, bugfixes, test coverage.

- * studer <theo.studer@gmail.com>
- * IPv6 url support and test coverage

- * Shivaram Lingamneni <slingamn@cs.stanford.edu>
- * Support for explicitly closing pooled connections

- * hartator <hartator@gmail.com>
- * Corrected multipart behavior for params

- * Thomas Weischuh <thomas@t-8ch.de>
- * Support for TLS SNI
- * API unification of ssl_version/cert_reqs
- * SSL fingerprint and alternative hostname verification
- * Bugfixes in testsuite

- * Sune Kirkeby <mig@ibofobi.dk>
- * Optional SNI-support for Python 2 via PyOpenSSL.

- * Marc Schlaich <marc.schlaich@gmail.com>
- * Various bugfixes and test improvements.

- * Bryce Boe <bbzbryce@gmail.com>
- * Correct six.moves conflict
- * Fixed pickle support of some exceptions

- * Boris Figovsky <boris.figovsky@ravellosystems.com>
- * Allowed to skip SSL hostname verification

- * Cory Benfield
- <<https://lukasa.co.uk/about/>>
- * Stream method for Response objects.
- * Return native strings in header values.
- * Generate 'Host' header when using proxies.

- * Jason Robinson <jaywink@basshero.org>
- * Add missing WrappedSocket.fileno method in PyOpenSSL

- * Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
- * Fixed a race condition

- * Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
- * Added HTTPS (CONNECT) proxy support

- * Stephen Holsapple <sholsapp@gmail.com>
- * Added abstraction for granular control of request fields

- * Martin von Gagern <Martin.vGagern@gmx.net>
- * Support for non-ASCII header parameters

- * Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
- * Support for separate connect and request timeouts

- * Peter Waller <p@pwaller.net>
- * HTTPResponse.tell() for determining amount received over the wire

- * Nipunn Koorapati <nipunn1313@gmail.com>
- * Ignore default ports when comparing hosts for equality

- * Danilo @dbrgn <<https://dbrgn.ch/>>
- * Disabled TLS compression by default on Python 3.2+
- * Disabled TLS compression in pyopenssl contrib module
- * Configurable cipher suites in pyopenssl contrib module

- * Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
- * Account retries on proxy errors

- * Nicolas Delaby <nicolas.delaby@ezeep.com>
- * Use the platform-specific CA certificate locations

- * Josh Schneier <https://github.com/jschneier>
- * HTTPHeaderDict and associated tests and docs
- * Bugfixes, docs, test coverage

- * Tahia Khan <http://tahia.tk/>
- * Added Timeout examples in docs

- * Arthur Grunseid <https://grunseid.com>
- * source_address support and tests (with https://github.com/bui)

- * Ian Cordasco <graffatcolmingov@gmail.com>
- * PEP8 Compliance and Linting
- * Add ability to pass socket options to an HTTP Connection

- * Erik Tollerud <erik.tollerud@gmail.com>
- * Support for standard library io module.

- * Krishna Prasad <kprasad.iitd@gmail.com>
- * Google App Engine documentation

- * Aaron Meurer
<asmeurer@gmail.com>
- * Added Url.url, which unparses a Url

- * Evgeny Kapun <abacabadabacaba@gmail.com>
- * Bugfixes

- * Benjamin Meyer <bm_witness@yahoo.com>
- * Security Warning Documentation update for proper capture

- * Shivan Sornarajah <github@sornars.com>
- * Support for using ConnectionPool and PoolManager as context managers.

- * Alex Gaynor <alex.gaynor@gmail.com>
- * Updates to the default SSL configuration

- * Tomas Tomecek <ttomecek@redhat.com>
- * Implemented generator for getting chunks from chunked responses.

- * tlynn <https://github.com/tlynn>
- * Respect the warning preferences at import.

- * David D. Riddle <ddriddle@illinois.edu>
- * IPv6 bugfixes in testsuite

- * Thea Flowers <magicalgirl@google.com>
- * App Engine environment tests.
- * Documentation re-write.

- * John Krauss <https://github.com/talos>
- * Clues to debugging problems with `cryptography` dependency in docs

- * Disassem <https://github.com/Disassem>
- * Fix pool-default headers not applying for url-encoded requests like GET.

- * James Atherfold <jlatherfold@hotmail.com>
- * Bugfixes relating to cleanup of connections during errors.

- * Christian Pedersen <https://github.com/chripede>
- * IPv6 HTTPS proxy bugfix

- * Jordan Moldow <https://github.com/jmoldow>
- * Fix low-level exceptions leaking from ``HTTPResponse.stream()``.
- * Bugfix for ``ConnectionPool.urlopen(release_conn=False)``.
- * Creation of ``HTTPConnectionPool.ResponseCls``.

- * Predrag Gruevski <https://github.com/obi1kenobi>
- * Made cert digest comparison use a constant-time algorithm.

- * Adam Talsma <https://github.com/a-tal>
- * Bugfix to ca_cert file paths.

- * Evan Meagher <https://evanmeagher.net>
- * Bugfix related to `memoryview` usage in PyOpenSSL adapter

- * John Vandenberg <jayvdb@gmail.com>
- * Python 2.6 fixes; pyflakes and pep8 compliance

- * Andy Caldwell <andy.m.caldwell@googlemail.com>
- * Bugfix related to reusing connections in indeterminate states.

- * Ville Skytt <ville.skytta@iki.fi>
- * Logging efficiency improvements, spelling fixes, Travis config.

- * Shige Takeda <smtakeda@gmail.com>
- * Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response

- * Jess Shapiro <jesse@jesseshapiro.net>
- * Various character-encoding fixes/tweaks
- * Disabling IPv6 DNS when IPv6 connections not supported

- * David Foster <<http://dafoster.net/>>
- * Ensure order of request and response headers are preserved.

- * Jeremy Cline <jeremy@jcline.org>
- * Added connection pool keys by scheme

- * Aviv Palivoda <palaviv@gmail.com>
- * History list to Retry object.
- * HTTPResponse contains the last Retry object.

- * Nate Prewitt <nate.prewitt@gmail.com>
- * Ensure timeouts are not booleans and greater than zero.
- * Fixed infinite loop in ``stream`` when amt=None.
- * Added length_remaining to determine remaining data to be read.
- * Added enforce_content_length to raise exception when incorrect content-length received.

- * Seth Michael Larson <sethmichaellarson@protonmail.com>
- * Created selectors backport that supports PEP 475.

- * Alexandre Dias <alex.dias@smarkets.com>
- * Don't retry on timeout if method not in whitelist

- * Moinuddin Quadri <moin18@gmail.com>
- * Lazily load idna package

- * Tom White <s6yg1ez3@mail2tor.com>
- * Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

- * Tim Burke <tim.burke@gmail.com>
- * Stop buffering entire deflate-encoded responses.

- * Tuukka Mustonen <tuukka.mustonen@gmail.com>
- * Add counter for status_forcelist retries.

- * Erik Rose <erik@mozilla.com>
- * Bugfix to pyopenssl vendoring

- * Wolfgang Richter <wolfgang.richter@gmail.com>
- * Bugfix related to loading full certificate chains with PyOpenSSL backend.

- * Mike Miller <github@mikeage.net>
- * Logging improvements to include the HTTP(S) port when opening a new connection

- * Ioannis Tziakos <mail@itziakos.gr>
- * Fix ``util.selectors._fileobj_to_fd`` to accept ``long``.
- * Update appveyor tox setup to use the 64bit python.

- * Akamai

- (through Jess Shapiro) <jshapiro@akamai.com>
- * Ongoing maintenance; 2017-2018

- * Dominique Leuenberger <dimstar@opensuse.org>
- * Minor fixes in the test suite

- * Will Bond <will@wbond.net>
- * Add Python 2.6 support to ``contrib.securetransport``

- * Aleksei Alekseev <alekseev.yeskela@gmail.com>
- * using auth info for socks proxy

- * Chris Wilcox <git@crwilcox.com>
- * Improve contribution guide
- * Add ``HTTPResponse.geturl`` method to provide ``urllib2.urlopen().geturl()`` behavior

- * Bruce Merry <https://www.brucemerry.org.za>
- * Fix leaking exceptions when system calls are interrupted with zero timeout

- * Hugo van Kemenade <https://github.com/hugovk>
- * Drop support for EOL Python 2.6

- * Tim Bell <https://github.com/timb07>
- * Bugfix for responses with Content-Type: message/* logging warnings

- * Justin Bramley <https://github.com/jbramleycl>
- * Add ability to handle multiple Content-Encodings

- * Katsuhiko YOSHIDA <https://github.com/kyoshidajp>
- * Remove Authorization header
regardless of case when redirecting to cross-site

- * James Meickle <https://permadeath.com/>
- * Improve handling of Retry-After header

- * Chris Jerdonek <chris.jerdonek@gmail.com>
- * Remove a spurious TypeError from the exception chain inside
HTTPConnectionPool._make_request(), also for BaseExceptions.

- * [Your name or handle] <[email or website]>
- * [Brief summary of your changes]

1.248 jsonref 0.2

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1.249 cryptography 2.8

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1.250 xz 5.2.4

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1.251 libpcap 1.9.1

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1.266 libyami 0.2.2

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1.267 dhcp 4.4.1

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* `configure.ac`, `Makefile.am`: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* `atf-c/ui.c`: The `format_paragraph` and `format_text` functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* `atf-c++/detail/io.hpp`, `atf-c++/detail/io.cpp`, `atf-c++/detail/io_test.cpp`: These files were derived from the `file_handle`, `systembuf`, `pipe` and `pistream` classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* `admin/check-style.sh`,
`admin/check-style-common.awk`,
`admin/check-style-cpp.awk`, `admin/check-style-shell.awk`: These files, except the first one, were first implemented in the Buildtool project.

They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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```

```
<!-- $Id$ -->
```

```
<!-- Generate ISC copyright comments from Docbook copyright metadata. -->
```

```

<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
xmlns:xi="http://www.w3.org/2001/XInclude"
xmlns:db="http://docbook.org/ns/docbook">

<xsl:template name="isc.copyright.format">
  <xsl:param name="text"/>
  <xsl:value-of select="$isc.copyright.leader"/>
  <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
  <xsl:text>&#10;</xsl:text>
  <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
  <xsl:if test="translate($rest, '&#9;&#32;', '')">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param
name="text" select="$rest"/>
    </xsl:call-template>
  </xsl:if>
</xsl:template>

<xsl:variable name="isc.copyright.text">
  <xsl:text>
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    License, v. 2.0. If a copy of the MPL was not distributed with this
    file, You can obtain one at http://mozilla.org/MPL/2.0/.
  </xsl:text>
</xsl:variable>

<xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text">
      <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
        <xsl:text>Copyright (C) </xsl:text>
        <xsl:call-template name="copyright.years">
          <xsl:with-param name="years" select="year"/>
        </xsl:call-template>
      </xsl:for-each>
    </xsl:with-param>
  </xsl:call-template>

```

```
<xsl:text> </xsl:text>
<xsl:value-of select="holder"/>
  <xsl:value-of select="$isc.copyright.breakline"/>
<xsl:text>#10;</xsl:text>
</xsl:for-each>
<xsl:value-of select="$isc.copyright.text"/>
  </xsl:with-param>
  </xsl:call-template>
</xsl:variable>
</xsl:stylesheet>

<!--
- Local variables:
- mode: sgml
- End:
-->
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1.268 fs.realpath 1.0.0

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1.269 evp_bytestokey 1.0.3

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1.270 backbone.radio 2.0.0

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1.271 randombytes 2.0.6

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1.272 bn.js 4.11.8

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1.273 hash.js 1.1.5

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1.274 string_decoder 1.1.1

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1.275 asn1.js 4.10.1

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1.276 object.assign 4.1.1

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1.277 des.js 1.0.0

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1.278 Idap-filters 2.2.2

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1.279 object.omit 2.0.1

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1.280 sha.js 2.4.11

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1.281 backbone.marionette 3.4.4

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1.282 Idap-filter 0.2.1

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1.283 pendulum 2.0.4

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1.284 postcss 6.0.21

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1.285 pyasn 0.1.9

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1.286 soundex 0.2.1

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1.287 start-stop-daemon 1.18.10

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```
WEV @@ WEV[B "1
```

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 WEV[B "1

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1.291 libffi 3.3

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<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet version="1.0"

xmlns:xsl="http://www.w3.org/1999/XSL/Transform"

xmlns:xi="http://www.w3.org/2001/XInclude"

xmlns:db="http://docbook.org/ns/docbook">

<xsl:template name="isc.copyright.format">

<xsl:param name="text"/>

<xsl:value-of select="\$isc.copyright.leader"/>

<xsl:value-of select="normalize-space(substring-before(\$text, '
'))"/>

<xsl:text>
</xsl:text>

<xsl:variable name="rest" select="substring-after(\$text, '
')"/>

<xsl:if test="translate(\$rest, '	 ', '')">

<xsl:call-template name="isc.copyright.format">

<xsl:with-param name="text" select="\$rest"/>

</xsl:call-template>

</xsl:if>

</xsl:template>

```

<xsl:variable name="isc.copyright.text">
  <xsl:text>
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    License, v. 2.0. If a copy of the MPL was not distributed with this
    file, You can obtain one at http://mozilla.org/MPL/2.0/.
  </xsl:text>
</xsl:variable>

<xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text">
      <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
        <xsl:text>Copyright (C) </xsl:text>
        <xsl:call-template name="copyright.years">
          <xsl:with-param name="years" select="year"/>
        </xsl:call-template>
        <xsl:text> </xsl:text>
        <xsl:value-of select="holder"/>
        <xsl:value-of select="$isc.copyright.breakline"/>
        <xsl:text>&#10;</xsl:text>
      </xsl:for-each>
      <xsl:value-of
        select="$isc.copyright.text"/>
    </xsl:with-param>
  </xsl:call-template>
</xsl:variable>
</xsl:stylesheet>

```

```

<!--
- Local variables:
- mode: sgml
- End:
-->
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```

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1.296 jquery 3.5.1

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1.297 redis 5.0.7

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* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/compat/string.py

* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/type/test_tag.py

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* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
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* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
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* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
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* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
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* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/setup.py
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* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
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* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
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* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
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* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
0.4.4/pyasn1/codec/ber/eoo.py

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ASN.1 library for Python

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   :maxdepth: 1

```

Abstract Syntax Notation One (ASN.1

<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::
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/example-use-case

Download & Install

```
.. toctree::
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```

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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::
    :maxdepth: 1
```

[/changelog](#)

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

```
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    :maxdepth: 2
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Getting help

Please, file your `issues` <<https://github.com/etingof/pyasn1/issues>>` _ and `PRs` <<https://github.com/etingof/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.

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/docs/source/contents.rst

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

ASN.1 library for Python

[![PyPI](<https://img.shields.io/pypi/v/pyasn1.svg?maxAge=2592000>)](<https://pypi.org/project/pyasn1>)
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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).

Features

- *
Generic implementation of ASN.1 types (X.208)
- * Standards compliant BER/CER/DER codecs
- * Dumps/loads ASN.1 structures from Python types
- * 100% Python, works with Python 2.4 up to Python 3.7
- * 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)
)
)
)
```
```



```

>>> 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](<http://snmplabs.com/pyasn1/>), compiled ASN.1 modules for different protocols and file formats could be found in the pyasn1-modules

[repo](https://github.com/etingof/pyasn1-modules).

How to get pyasn1

The pyasn1 package is distributed under terms and conditions of 2-clause BSD [license](http://snmplabs.com/pyasn1/license.html). Source code is freely available as a GitHub [repo](https://github.com/etingof/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/etingof/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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1.299 jsonschema 2.5.1

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1.300 pycparser 2.19

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pycparser -- A C parser in Python

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1.301 pyasn1 0.1.9

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1.302 ntp 4.2.8p15

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52. [56]Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)
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Version 3, 29 June 2007

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1.303 libtirpc 1.2.5

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1.308 paramiko 2.7.2

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1.310 asgiref 3.2.3

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1.313 channels 2.3.1

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1.314 channels-redis 2.4.2

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1.316 django-redis 4.11.0

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1.317 docker 4.1.0

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1.319 libglib 2.62.4

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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1.325 pyasn1 0.4.7

1.325.1 Available under license :

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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/etingof/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).

Features

*

Generic implementation of ASN.1 types (X.208)

* Standards compliant BER/CER/DER codecs

* Dumps/loads ASN.1 structures from Python types

* 100% Python, works with Python 2.4 up to Python 3.7

* 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](<http://snmplabs.com/pyasn1/>), compiled ASN.1 modules for different protocols and file formats could be found in the pyasn1-modules [repo](<https://github.com/etingof/pyasn1-modules>).

How to get pyasn1

The pyasn1 package is distributed under terms and conditions of 2-clause BSD [license](<http://snmplabs.com/pyasn1/license.html>). Source code is freely available as a GitHub [repo](<https://github.com/etingof/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/etingof/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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ASN.1 library for Python

=====

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    :maxdepth: 1
```

Abstract Syntax Notation One (ASN.1

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) <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

```
.. 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

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Getting help

Please, file your `issues` <<https://github.com/etingof/pyasn1/issues>>`_` and `PRs` <<https://github.com/etingof/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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1.326 python-blessed 1.17.5

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1.327 python-setuptools 41.4.0

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1.328 text-table 1.6.2

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1.329 tzdata 2019c

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1.330 zope-interface 4.6.0

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1.331 docker-containerd 1.2.12

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Go support for Protocol Buffers - Google's data interchange format

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1.332 docker-proxy

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Protocol Buffers for Go with Gadgets

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<http://github.com/gogo/protobuf>

Go support for Protocol Buffers - Google's data interchange format

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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1.334 libatomic-ops 7.6.10

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1.335 setuptools-scm 3.3.3

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1.336 fast-deep-equal 2.0.1

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1.338 source-map 0.6.1

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1.339 postcss-modules-extract-imports 1.2.1

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1.340 postcss 6.0.23

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1.341 css-selector-tokenizer 0.7.1

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1.342 remove-trailing-separator 1.1.0

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1.343 json-schema-traverse 0.4.1

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1.344 fast-json-stable-stringify 2.0.0

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1.345 babel-helper-regex 6.26.0

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1.346 postcss-modules-values 1.3.0

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1.347 regexpu-core 1.0.0

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1.348 postcss-modules-local-by-default 1.2.0

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1.349 postcss-modules-scope 1.1.0

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1.350 color-convert 1.9.1

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1.351 docopt 0.6.2

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1.352 python-dateutil 2.8.1

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dateutil - Extensions to the standard Python datetime module.

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1.353 cryptography 2.8

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1.354 python3-asn1crypto 0.24.0

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```
* /opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/src/isodate/__init__.py
```

```

* /opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-
0.6.0/src/isodate/tests/test_datetime.py
* /opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/src/isodate/tests/test_strf.py
*
/opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/setup.py
* /opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/src/isodate/tests/__init__.py
* /opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/src/isodate/duration.py
* /opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/src/isodate/isoduration.py
* /opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/src/isodate/isostrf.py
* /opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/src/isodate/isotime.py
* /opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/src/isodate/tests/test_date.py
* /opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/src/isodate/isodates.py
* /opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/src/isodate/isodatetime.py
* /opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/src/isodate/isotzinfo.py
*
/opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/src/isodate/isoerror.py
* /opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/src/isodate/tests/test_time.py
* /opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-
0.6.0/src/isodate/tests/test_duration.py

```

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Metadata-Version: 1.1

Name: isodate

Version: 0.6.0

Summary: An ISO 8601 date/time/duration parser and formatter

Home-page: <https://github.com/gweis/isodate/>

Author: Gerhard Weis

Author-email: gerhard.weis@proclos.com

License: BSD

Description:

ISO 8601 date/time parser

=====

.. image:: <https://travis-ci.org/gweis/isodate.svg?branch=master>

:target: <https://travis-ci.org/gweis/isodate>

:alt: Travis-CI

.. image:: <https://coveralls.io/repos/gweis/isodate/badge.svg?branch=master>

:target: <https://coveralls.io/r/gweis/isodate?branch=master>

:alt: Coveralls

.. image:: <https://img.shields.io/pypi/v/isodate.svg>

:target: <https://pypi.python.org/pypi/isodate/>

:alt: Latest Version

.. image:: <https://img.shields.io/pypi/l/isodate.svg>

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This module implements ISO 8601 date, time and duration parsing. The implementation follows ISO8601:2004 standard, and implements only date/time representations mentioned in the standard. If something is not mentioned there, then it is treated as non existent, and not as an allowed option.

For instance, ISO8601:2004 never mentions 2 digit years. So, it is not intended by this module to support 2 digit years. (while it may still be valid as ISO date, because it is not explicitly forbidden.) Another example is, when no time zone information is given for a time, then it should be interpreted as local time, and not UTC.

As this module maps ISO 8601 dates/times to standard Python data types, like `*date*`, `*time*`, `*datetime*` and `*timedelta*`, it is not possible to convert all possible ISO 8601 dates/times.

For instance, dates before 0001-01-01 are not allowed by the Python `*date*` and `*datetime*` classes. Additionally fractional seconds are limited to microseconds. That means if the parser finds for instance nanoseconds it will round it to microseconds.

Documentation

Currently there are four parsing methods available.

- `* parse_time:`
parses an ISO 8601 time string into a `*time*` object
- `* parse_date:`
parses an ISO 8601 date string into a `*date*` object
- `* parse_datetime:`
parses an ISO 8601 date-time string into a `*datetime*` object
- `* parse_duration:`
parses an ISO 8601 duration string into a `*timedelta*` or `*Duration*` object.
- `* parse_tzinfo:`
parses the time zone info part of an ISO 8601 string into a `*tzinfo*` object.

As ISO 8601 allows to define durations in years and months, and `*timedelta*` does not handle years and months, this module provides a `*Duration*` class, which can be used almost like a `*timedelta*` object (with some limitations). However, a `*Duration*` object can be converted into a `*timedelta*` object.

There are also ISO formatting methods for all supported data types. Each `*xxx_isoformat*` method accepts a format parameter. The default format is always the ISO 8601 expanded format. This is the same format used by `*datetime.isoformat*`:

- * `time_isoformat`:
Intended to create ISO time strings with default format
`*hh:mm:ssZ*`.
- * `date_isoformat`:
Intended to create ISO date strings with default format
`*yyyy-mm-dd*`.
- * `datetime_isoformat`:
Intended to create ISO date-time strings with default format
`*yyyy-mm-ddThh:mm:ssZ*`.
- * `duration_isoformat`:
Intended to create ISO duration strings with default format
`*PnnYnnMnnDTnnHnnMnnS*`.
- * `tz_isoformat`:
Intended to create ISO time zone strings with default format
`*hh:mm*`.
- * `strftime`:
A re-implementation mostly compatible with Python's `*strftime*`, but supports only those format strings, which can also be used for dates prior 1900. This method also understands how to format `*datetime*` and `*Duration*` instances.

Installation:

This module can easily be installed with Python standard installation methods.

Either use `*python setup.py install*` or in case you have `*setuptools*` or `*distribute*` available, you can also use `*easy_install*`.

Limitations:

* The parser accepts several date/time representation which should be invalid according to ISO 8601 standard.

1. for date and time together, this parser accepts a mixture of basic and extended format. e.g. the date could be in basic format, while the time is accepted in extended format. It also allows short dates and times in date-time strings.
2. For incomplete dates, the first day is chosen. e.g. 19th century results in a date of 1901-01-01.
3. negative `*Duration*` and `*timedelta*` value are not fully supported yet.

Further information:

The doc strings and unit tests should provide rather detailed information about the methods and their limitations.

The source release provides a `*setup.py*` script, which can be used to run the unit tests included.

Source code is available at `<http://github.com/gweis/isodate>`_.`

CHANGES

=====

0.6.0 (2017-10-13)

- support incomplete month date (Fabien Loffredo)
- rely on duck typing when doing duration maths
- support ':' as separator in fractional time zones (usrenmae)

0.5.4 (2015-08-06)

- Fix parsing of Periods (Fabien Bochu)
- Make Duration objects hashable (Geoffrey Fairchild)
- Add multiplication to duration (Reinoud Elhorst)

0.5.1 (2014-11-07)

- fixed pickling of Duration objects
- raise ISO8601Error when there is no 'T' separator in datetime strings (Adrian Coveney)

0.5.0 (2014-02-23)

- ISO8601Error are subclasses of ValueError now (Michael Hrivnak)
- improve compatibility across various python

variants and versions

- raise exceptions when using fractional years and months in date maths with durations
- renamed method `todatetime` on Duration objects to `totimedelta`

0.4.9 (2012-10-30)

- support pickling FixedOffset instances
- make sure parsed fractional seconds are in microseconds

- add leading zeros when formatting microseconds (Jarom Loveridge)

0.4.8 (2012-05-04)

- fixed incompatibility of unittests with python 2.5 and 2.6 (runs fine on 2.7 and 3.2)

0.4.7 (2012-01-26)

- fixed tzinfo formatting (never pass None into tzinfo.utcoffset())

0.4.6 (2012-01-06)

- added Python 3 compatibility via 2to3

0.4.5 (2012-01-06)

- made setuptools dependency optional

0.4.4 (2011-04-16)

- Fixed formatting of microseconds for datetime objects

0.4.3 (2010-10-29)

- Fixed problem with %P formatting and fractions (supplied by David Brooks)

0.4.2 (2010-10-28)

- Implemented unary - for Duration (supplied by David Brooks)
- Output fractional seconds with '%P' format. (partly supplied by David Brooks)

0.4.1 (2010-10-13)

- fixed bug in comparison between timedelta and Duration.
- fixed precision problem with microseconds (reported by Tommi Virtanen)

0.4.0 (2009-02-09)

- added method to parse ISO 8601 time zone strings
- added methods to create ISO 8601 conforming strings

0.3.0 (2009-1-05)

- Initial release

TODOs

=====

This to do list contains some thoughts and ideas about missing features, and parts to think about, whether to implement them or not. This list is probably not complete.

Missing features:

- * time formatting does not allow to create fractional representations.
- * parser for ISO intervals.
- * currently microseconds are always padded to a length of 6 characters. trailing 0s should be optional

Documentation:

- * parse_datetime:
 - complete documentation to show what this function allows, but ISO forbids. and vice versa.
 - support other separators between date and time than "T"
- * parse_date:
 - yeardigitsshould be always greater than 4
 - dates before 0001-01-01 are not supported
- * parse_duration:
 - alternative formats are not fully supported due to parse_date restrictions
 - standard duration format is fully supported but not very restrictive.
- * Duration:
 - support fractional years and month in calculations
 - implement w3c order relation? (`<http://www.w3.org/TR/xmlschema-2/#duration-order>`)
 - refactor to have duration mathematics only at one place.

- localize `__str__` method (does `timedelta` do this?)
- when is a `Duration` negative?
- normalize `Durations`. months [00-12] and years]-inf,+inf[

Platform: UNKNOWN

Classifier: Development Status :: 4 - Beta

Classifier: Intended Audience :: Developers

Classifier: License :: OSI Approved :: BSD License

Classifier: Operating System :: OS Independent

Classifier:

Programming Language :: Python

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

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Found in path(s):

* /opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/src/isodate.egg-info/PKG-INFO

* /opt/cola/permits/1110810315_1606855982.37/0/isodate-0-6-0-1-tar-gz/isodate-0.6.0/PKG-INFO

1.356 bcrypt 3.1.7

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1.357 ajv 6.10.0

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1.358 cached-property 1.4.3

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1.359 incremental 17.5.0

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1.361 pyhamcrest 1.9.0

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1.362 pickleshare 0.7.4

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1.365 python-certifi 2019.9.11

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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:

<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 \$

1.366 md5.js 1.3.4

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1.367 schema-utils 0.4.7

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1.368 bridgeutils 1.6

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1.373 file-loader 1.1.11

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1.374 Iodash 4.17.4

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1.375 pyasn1-modules 0.2.2

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1.376 gojsonpointer

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1.379 icss-utils 2.1.0

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1.380 fastparse 1.1.1

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

```
/*  
MIT License http://www.opensource.org/licenses/mit-license.php  
Author Tobias Koppers @sokra  
*/
```

Found in path(s):

```
* /opt/cola/permits/1124672787_1611145753.0/0/webpack-fastparse-v1-1-1-0-g9206e09-tar-gz/webpack-fastparse-d1420f0/lib/Parser.js
```

1.381 ajv-keywords 3.4.0

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1.382 chalk 2.3.2

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1.383 pyrsistent 0.15.6

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1.384 style-loader 0.21.0

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1.385 css-loader 1.0.1

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1.386 css-selector-tokenizer 0.7.0

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1.387 coreutils 8.31

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1.388 bash 5.0

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1.390 libsodium 1.0.18

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As an exception to the Sections above, you may also combine or link a ``work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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@enumerate a

@item

Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable ``work that uses the Library'', as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

@item

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.

@item

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.

@item

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@item

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

@end enumerate

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@enumerate a

@item

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@end enumerate

@subheading END OF TERMS AND CONDITIONS

@page

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@smallexample

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```
@smallexample
```

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the library
`Frob' (a library for tweaking knobs) written by James Random Hacker.
```

```
@var{signature of Ty Coon}, 1 April 1990
```

```
Ty Coon, President of Vice
```

```
@end smallexample
```

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1.395 pem 21.1.0

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1.396 simplegeneric 0.8.1

1.396.1 Available under license :

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Metadata-Version: 1.0

Name: simplegeneric

Version: 0.8.1

Summary: Simple generic functions (similar to Python's own len(), pickle.dump(), etc.)

Home-page: <http://cheeseshop.python.org/pypi/simplegeneric>

Author: Phillip J. Eby

Author-email: peak@eby-sarna.com

License: ZPL 2.1

Description: * New in 0.8: Source and tests are compatible with Python 3 (w/o ``setup.py``)

* 0.8.1: setup.py is now compatible with Python 3 as well

* New in 0.7: `Multiple Types or Objects`_

* New in 0.6: `Inspection and Extension`_, and thread-safe method registration

The ``simplegeneric`` module lets you define simple single-dispatch generic functions, akin to Python's built-in generic functions like ``len()``, ``iter()`` and so on. However, instead of using specially-named methods, these generic functions use simple lookup tables, akin to those used by e.g. ``pickle.dump()`` and other generic functions found in the Python standard library.

As you can see from the above examples, generic functions are actually quite common in Python already, but there is no standard way to create simple ones. This library attempts to fill that gap, as generic functions are an `excellent alternative to the Visitor pattern`_, as well as being a great substitute for most common uses of adaptation.

This library tries to be the simplest possible implementation of generic functions, and it therefore eschews the use of multiple or predicate dispatch, as well as avoiding speedup techniques such as C dispatching or code generation. But it has absolutely no dependencies, other than Python 2.4, and the implementation is just a single Python module of less than 100 lines.

Usage

Defining and using a generic function is straightforward::

```
>>> from simplegeneric import generic
>>> @generic
... def move(item, target):
...     """Default implementation goes here"""
...     print("what you say?!")

>>> @move.when_type(int)
... def move_int(item, target):
...     print("In AD %d, %s was beginning." % (item, target))

>>> @move.when_type(str)
... def move_str(item, target):
...     print("How are you %s!!" % item)
...     print("All your %s are belong to us." % (target,))
```

```

>>> zig = object()
>>> @move.when_object(zig)
... def move_zig(item, target):
...     print("You know what you %s." % (target,))
...     print("For great justice!")

>>> move(2101, "war")
In AD 2101, war was beginning.

>>> move("gentlemen", "base")
How
are you gentlemen!!
All your base are belong to us.

>>> move(zig, "doing")
You know what you doing.
For great justice!

>>> move(27.0, 56.2)
what you say?!

```

Inheritance and Allowed Types

Defining multiple methods for the same type or object is an error::

```

>>> @move.when_type(str)
... def this_is_wrong(item, target):
...     pass
Traceback (most recent call last):
...
TypeError: <function move...> already has method for type <...'str'>

```

```

>>> @move.when_object(zig)
... def this_is_wrong(item, target): pass
Traceback (most recent call last):
...
TypeError: <function move...> already has method for object <object ...>

```

And the ``when_type()`` decorator only accepts classes or types::

```

>>> @move.when_type(23)
... def move_23(item, target):
...     print("You have no chance to survive!")
Traceback (most recent call last):
...

```

TypeError: 23 is not a type or class

Methods defined for supertypes are inherited following MRO order::

```
>>> class MyString(str):
...     """String subclass"""

>>> move(MyString("ladies"), "drinks")
How are you ladies!!
All your drinks are belong to us.
```

Classic class instances are also supported (although the lookup process is slower than for new-style instances)::

```
>>> class X: pass
>>> class Y(X): pass

>>> @move.when_type(X)
... def move_x(item, target):
...     print("Someone set us up the %s!!!" % (target,))

>>> move(X(), "bomb")
Someone set us up the bomb!!!

>>> move(Y(), "dance")
Someone set us up the dance!!!
```

Multiple Types or Objects

As a convenience, you can now pass more than one type or object to the registration methods::

```
>>> @generic
... def isbuiltin(ob):
...     return False
>>> @isbuiltin.when_type(int, str, float, complex, type)
... @isbuiltin.when_object(None, Ellipsis)
... def yes(ob):
...     return True

>>> isbuiltin(1)
True
>>> isbuiltin(object)
True
>>> isbuiltin(object())
False
```

```
>>> isbuiltin(X())
False
>>> isbuiltin(None)
True
>>> isbuiltin(Ellipsis)
True
```

Defaults and Docs

You can obtain a function's default implementation using its ``default`` attribute::

```
>>> @move.when_type(Y)
... def move_y(item, target):
...     print("Someone set us up the %s!!!" % (target,))
...     move.default(item, target)

>>> move(Y(), "dance")
Someone set us up the dance!!!
what you say?!
```

``help()`` and other documentation tools see generic functions as normal function objects, with the same name, attributes, docstring, and module as the prototype/default function::

```
>>> help(move)
Help on function move:
...
move(*args, **kw)
Default implementation goes here
...
```

Inspection and Extension

You can find out if a generic function has a method for a type or object using the ``has_object()`` and ``has_type()`` methods::

```
>>> move.has_object(zig)
True
>>> move.has_object(42)
False
```

```
>>> move.has_type(X)
True
>>> move.has_type(float)
False
```

Note that `has_type()` only queries whether there is a method registered for the *exact* type, not subtypes or supertypes::

```
>>> class Z(X): pass
>>> move.has_type(Z)
False
```

You can create a generic function that "inherits" from an existing generic function by calling `generic()` on the existing function::

```
>>> move2 = generic(move)
>>> move2(2101, "war")
In AD 2101, war was beginning.
```

Any methods added to the new generic function override *all* methods in the "base" function::

```
>>> @move2.when_type(X)
... def move2_X(item, target):
...     print("You have no chance to survive make your %s!" % (target,))

>>> move2(X(), "time")
You have no chance
to survive make your time!
```

```
>>> move2(Y(), "time")
You have no chance to survive make your time!
```

Notice that even though `move()` has a method for type `Y`, the method defined for `X` in `move2()` takes precedence. This is because the `move` function is used as the `default` method of `move2`, and `move2` has no method for type `Y`::

```
>>> move2.default is move
True
>>> move.has_type(Y)
True
>>> move2.has_type(Y)
False
```

Limitations

* The first argument is always used for dispatching, and it must always be passed *positionally* when the function is called.

* Documentation tools don't see the function's original argument signature, so you have to describe it in the docstring.

* If you have optional arguments, you must duplicate them on every method in order for them to work correctly. (On the plus side, it means you can have different defaults or required arguments for each method, although relying on that quirk probably isn't a good idea.)

These restrictions may be lifted in later releases, if I feel the need. They would require runtime code generation the way I do it in `RuleDispatch`, however, which is somewhat of a pain. (Alternately I could use the `BytecodeAssembler` package to do the code generation, as that's a lot easier to use than string-based code generation, but that would introduce more dependencies, and I'm trying to keep this simple so I can just toss it into Chandler without a big footprint increase.)

.. _excellent alternative to the Visitor pattern: <http://peak.telecommunity.com/DevCenter/VisitorRevisited>

Platform: UNKNOWN

Classifier:

Development Status :: 6 - Mature

Classifier: Development Status :: 7 - Inactive

Classifier: Intended Audience :: Developers

Classifier: License :: OSI Approved :: Zope Public License

Classifier: Programming Language :: Python

Classifier: Programming Language :: Python :: 2

Classifier: Programming Language :: Python :: 2.4

Classifier: Programming Language :: Python :: 2.5

Classifier: Programming Language :: Python :: 2.6

Classifier: Programming Language :: Python :: 2.7

Classifier: Programming Language :: Python :: 3

Classifier: Operating System :: OS Independent

Classifier: Topic :: Software Development :: Libraries :: Python Modules

Found in path(s):

* /opt/cola/permits/1156186189_1619141878.57/0/simplegeneric-0-8-1-4-zip/simplegeneric-0.8.1/PKG-INFO

* /opt/cola/permits/1156186189_1619141878.57/0/simplegeneric-0-8-1-4-zip/simplegeneric-0.8.1/simplegeneric.egg-info/PKG-INFO

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Operating System :: OS Independent
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1.397 pystache 0.5.4

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1.398 msgpack 0.6.2

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1.399 urllib3 1.25.6

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SOFTWARE.

Contributions to the urllib3 project

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Contributors

In chronological order:

- * victor.vde <<http://code.google.com/u/victor.vde/>>
 - * HTTPS patch (which inspired HTTPSConnectionPool)

- * erikcederstrand <<http://code.google.com/u/erikcederstrand/>>
 - * NTLM-authenticated HTTPSConnectionPool
 - * Basic-authenticated HTTPSConnectionPool (merged into make_headers)

- * niphlod <niphlod@gmail.com>
 - * Client-verified SSL certificates for HTTPSConnectionPool
 - * Response gzip and deflate encoding support
 - * Better unicode support for filepost using StringIO buffers

- * btoconnor <brian@btoconnor.net>
 - * Non-multipart encoding for POST requests

- * p.dobrogost <<http://code.google.com/u/@WBRSRIBZDhBFXQB6/>>
 - * Code review, PEP8 compliance, benchmark fix

- * kennethreitz <me@kennethreitz.com>
 - * Bugfixes, suggestions, Requests integration

- * georgemarshall <<https://github.com/georgemarshall>>
 - * Bugfixes, Improvements and Test coverage

- * Thomas Kluyver <thomas@kluyver.me.uk>
 - * Python 3 support

- * brandon-rhodes <<http://rhodesmill.org/brandon>>
 - * Design review, bugfixes, test coverage.

- * studer <theo.studer@gmail.com>
 - * IPv6 url support and test coverage

- * Shivaram Lingamneni <slingamn@cs.stanford.edu>
 - * Support for explicitly closing pooled connections

- * hartator <hartator@gmail.com>
 - * Corrected multipart behavior for params

- * Thomas Weischuh <thomas@t-8ch.de>
 - * Support for TLS SNI
 - * API unification of ssl_version/cert_reqs
 - * SSL fingerprint and alternative hostname verification

- * Bugfixes in testsuite

- * Sune Kirkeby <mig@ibofobi.dk>
 - * Optional SNI-support for Python 2 via PyOpenSSL.

- * Marc Schlaich <marc.schlaich@gmail.com>
 - * Various bugfixes and test improvements.

- * Bryce Boe <bbzbryce@gmail.com>
 - * Correct six.moves conflict
 - * Fixed pickle support of some exceptions

- * Boris Figovsky <boris.figovsky@ravellosystems.com>
 - * Allowed to skip SSL hostname verification

- * Cory Benfield
<<https://lukasa.co.uk/about/>>
 - * Stream method for Response objects.
 - * Return native strings in header values.
 - * Generate 'Host' header when using proxies.

- * Jason Robinson <jaywink@basshero.org>
 - * Add missing WrappedSocket.fileno method in PyOpenSSL

- * Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
 - * Fixed a race condition

- * Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
 - * Added HTTPS (CONNECT) proxy support

- * Stephen Holsapple <sholsapp@gmail.com>
 - * Added abstraction for granular control of request fields

- * Martin von Gagern <Martin.vGagern@gmx.net>
 - * Support for non-ASCII header parameters

- * Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
 - * Support for separate connect and request timeouts

- * Peter Waller <p@pwaller.net>
 - * HTTPResponse.tell() for determining amount received over the wire

- * Nipunn Koorapati <nipunn1313@gmail.com>
 - * Ignore default ports when comparing hosts for equality

- * Danilo @dbrgn <<https://dbrgn.ch/>>
 - * Disabled TLS compression by default on Python 3.2+
 - * Disabled TLS compression in pyopenssl contrib module

- * Configurable cipher suites in pyopenssl contrib module

- * Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
 - * Account retries on proxy errors

- * Nicolas Delaby <nicolas.delaby@ezeep.com>
 - * Use the platform-specific CA certificate locations

- * Josh Schneier <https://github.com/jschneier>
 - * HTTPHeaderDict and associated tests and docs
 - * Bugfixes, docs, test coverage

- * Tahia Khan <http://tahia.tk/>
 - * Added Timeout examples in docs

- * Arthur Grunseid <https://grunseid.com>
 - * source_address support and tests (with https://github.com/bui)

- * Ian Cordasco <graffatcolmingov@gmail.com>
 - * PEP8 Compliance and Linting
 - * Add ability to pass socket options to an HTTP Connection

- * Erik Tollerud <erik.tollerud@gmail.com>
 - * Support for standard library io module.

- * Krishna Prasad <kprasad.iitd@gmail.com>
 - * Google App Engine documentation

- * Aaron Meurer
<asmeurer@gmail.com>
 - * Added Url.url, which unparses a Url

- * Evgeny Kapun <abacabadabacaba@gmail.com>
 - * Bugfixes

- * Benjamin Meyer <bm_witness@yahoo.com>
 - * Security Warning Documentation update for proper capture

- * Shivan Sornarajah <github@sornars.com>
 - * Support for using ConnectionPool and PoolManager as context managers.

- * Alex Gaynor <alex.gaynor@gmail.com>
 - * Updates to the default SSL configuration

- * Tomas Tomecek <ttomecek@redhat.com>
 - * Implemented generator for getting chunks from chunked responses.

- * tlynn <https://github.com/tlynn>

- * Respect the warning preferences at import.

- * David D. Riddle <ddriddle@illinois.edu>
 - * IPv6 bugfixes in testsuite

- * Thea Flowers <magicalgirl@google.com>
 - * App Engine environment tests.
 - * Documentation re-write.

- * John Krauss <https://github.com/talos>
 - * Clues to debugging problems with `cryptography` dependency in docs

- * Disassem <https://github.com/Disassem>
 - * Fix pool-default headers not applying for url-encoded requests like GET.

- * James Atherfold <jlatherfold@hotmail.com>
 - * Bugfixes relating to cleanup of connections during errors.

- * Christian Pedersen <https://github.com/chripede>
 - * IPv6 HTTPS proxy bugfix

- * Jordan Moldow <https://github.com/jmoldow>
 - * Fix low-level exceptions leaking from ``HTTPResponse.stream()``.
 - * Bugfix for ``ConnectionPool.urlopen(release_conn=False)``.
 - * Creation of ``HTTPConnectionPool.ResponseCls``.

- * Predrag Gruevski <https://github.com/obi1kenobi>
 - * Made cert digest comparison use a constant-time algorithm.

- * Adam Talsma <https://github.com/a-tal>
 - * Bugfix to ca_cert file paths.

- * Evan Meagher <https://evanmeagher.net>
 - * Bugfix related to `memoryview` usage in PyOpenSSL adapter

- * John Vandenberg <jayvdb@gmail.com>
 - * Python 2.6 fixes; pyflakes and pep8 compliance

- * Andy Caldwell <andy.m.caldwell@googlemail.com>
 - * Bugfix related to reusing connections in indeterminate states.

- * Ville Skytt <ville.skytta@iki.fi>
 - * Logging efficiency improvements, spelling fixes, Travis config.

- * Shige Takeda <smtakeda@gmail.com>
 - * Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response

- * Jess Shapiro <jesse@jesseshapiro.net>
 - * Various character-encoding fixes/tweaks
 - * Disabling IPv6 DNS when IPv6 connections not supported

- * David Foster <http://dafoster.net/>
 - * Ensure order of request and response headers are preserved.

- * Jeremy Cline <jeremy@jcline.org>
 - * Added connection pool keys by scheme

- * Aviv Palivoda <palaviv@gmail.com>
 - * History list to Retry object.
 - * HTTPResponse contains the last Retry object.

- * Nate Prewitt <nate.prewitt@gmail.com>
 - * Ensure timeouts are not booleans and greater than zero.
 - * Fixed infinite loop in ``stream`` when amt=None.
 - * Added length_remaining to determine remaining data to be read.
 - * Added enforce_content_length to raise exception when incorrect content-length received.

- * Seth Michael Larson <sethmichaellarson@protonmail.com>
 - * Created selectors backport that supports PEP 475.

- * Alexandre Dias <alex.dias@smarkets.com>
 - * Don't retry on timeout if method not in whitelist

- * Moinuddin Quadri <moin18@gmail.com>
 - * Lazily load idna package

- * Tom White <s6yg1ez3@mail2tor.com>
 - * Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

- * Tim Burke <tim.burke@gmail.com>
 - * Stop buffering entire deflate-encoded responses.

- * Tuukka Mustonen <tuukka.mustonen@gmail.com>
 - * Add counter for status_forcelist retries.

- * Erik Rose <erik@mozilla.com>
 - * Bugfix to pyopenssl vendoring

- * Wolfgang Richter <wolfgang.richter@gmail.com>
 - * Bugfix related to loading full certificate chains with PyOpenSSL backend.

- * Mike Miller <github@mikeage.net>
 - * Logging improvements to include the HTTP(S) port when opening a new connection

- * Ioannis Tziakos <mail@itziakos.gr>
- * Fix ``util.selectors._fileobj_to_fd`` to accept ``long``.
- * Update appveyor tox setup to use the 64bit python.

- * Akamai
(through Jess Shapiro) <jshapiro@akamai.com>
- * Ongoing maintenance; 2017-2018

- * Dominique Leuenberger <dimstar@opensuse.org>
- * Minor fixes in the test suite

- * Will Bond <will@wbond.net>
- * Add Python 2.6 support to ``contrib.securetransport``

- * Aleksei Alekseev <alekseev.yeskela@gmail.com>
- * using auth info for socks proxy

- * Chris Wilcox <git@crwilcox.com>
- * Improve contribution guide
- * Add ``HTTPResponse.geturl`` method to provide ``urllib2.urlopen().geturl()`` behavior

- * Bruce Merry <https://www.brucemerry.org.za>
- * Fix leaking exceptions when system calls are interrupted with zero timeout

- * Hugo van Kemenade <https://github.com/hugovk>
- * Drop support for EOL Python 2.6

- * Tim Bell <https://github.com/timb07>
- * Bugfix for responses with Content-Type: message/* logging warnings

- * Justin Bramley <https://github.com/jbramleycl>
- * Add ability to handle multiple Content-Encodings

- * Katsuhiko YOSHIDA <https://github.com/kyoshidajp>
- * Remove Authorization header
regardless of case when redirecting to cross-site

- * James Meickle <https://permadeath.com/>
- * Improve handling of Retry-After header

- * Chris Jerdonek <chris.jerdonek@gmail.com>
- * Remove a spurious TypeError from the exception chain inside
HTTPConnectionPool._make_request(), also for BaseExceptions.

- * [Your name or handle] <[email or website]>
- * [Brief summary of your changes]

1.400 pytz 2018.5

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1.401 pyopenssl 19.1.0

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1.403 cyrus-sasl 2.1.27

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1.405 rfc3987 1.3.7

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1.406 loader-utils 1.2.3

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1.407 xlrd 1.1.0

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* /opt/cola/permits/1170785299_1622700563.86/0/python-excel-xlrd-1-1-0-0-ge1930e4-1-tar-gz/python-excel-xlrd-e1930e4/xlrd/timemachine.py

* /opt/cola/permits/1170785299_1622700563.86/0/python-excel-xlrd-1-1-0-0-ge1930e4-1-tar-gz/python-excel-xlrd-e1930e4/xlrd/examples/xlrdnameAPIdemo.py

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

'License :: OSI Approved :: BSD License',

Found in path(s):

* /opt/cola/permits/1170785299_1622700563.86/0/python-excel-xlrd-1-1-0-0-ge1930e4-1-tar-gz/python-excel-xlrd-e1930e4/setup.py

1.408 django 2.1.4

1.408.1 Available under license :

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=====
Advice for new contributors
=====

New contributor and not sure what to do? Want to help but just don't know how to get started? This is the section for you.

.. admonition:: Basic tools and workflow

If you are new to contributing to Django, the `:doc:`intro/contributing`` tutorial will give you an introduction to the tools and the workflow.

First steps
=====

Start with these easy tasks to discover Django's development process.

****Sign the Contributor License Agreement****

The code that you write belongs to you or your employer. If your contribution is more than one or two lines of code, you need to sign the ``CLA`_`. See the ``Contributor License Agreement FAQ`_` for a more thorough explanation.

****Triage tickets****

If an ``unreviewed ticket`_` reports a bug, try and reproduce it. If you can reproduce it and it seems valid, make a note that you confirmed the bug and accept the ticket. Make sure the ticket is filed under the correct component area. Consider writing a patch that adds a test for the bug's behavior, even if you don't fix the bug itself. See more at `:ref:`how-can-i-help-with-triaging``

****Look for tickets that are accepted and review patches to build familiarity**

with the codebase and the process**

Mark the appropriate flags if a patch needs docs or tests. Look through the changes a patch makes, and keep an eye out for syntax that is incompatible with older but still supported versions of Python. :doc:`Run the tests </internals/contributing/writing-code/unit-tests>` and make sure they pass. Where possible and relevant, try them out on a database other than SQLite. Leave comments and feedback!

* **Keep old patches up to date**

Oftentimes the codebase will change between a patch being submitted and the time it gets reviewed. Make sure it still applies cleanly and functions as expected. Simply updating a patch is both useful and important! See more on :doc:`writing-code/submitting-patches`.

* **Write some documentation**

Django's documentation is great but it can always be improved. Did you find a typo? Do you think that something should be clarified? Go ahead and suggest a documentation patch! See also the guide on :doc:`writing-documentation`.

.. note::

The `reports page`_ contains links to many useful Trac queries, including several that are useful for triaging tickets and reviewing patches as suggested above.

.. _reports page: <https://code.djangoproject.com/wiki/Reports>

.. _CLA: <https://www.djangoproject.com/foundation/cla/>

.. _Contributor License Agreement FAQ: <https://www.djangoproject.com/foundation/cla/faq/>

.. _unreviewed ticket: <https://code.djangoproject.com/query?status=!closed&stage=Unreviewed>

Guidelines

=====

As a newcomer on a large project, it's easy to experience frustration. Here's some advice to make your work on Django more useful and rewarding.

* **Pick a subject area that you care about, that you are familiar with, or that you want to learn about**

You don't already have to be an expert on the area you want to work on; you become an expert through your ongoing contributions to the code.

* **Analyze tickets' context and history**

Trac isn't an absolute; the context is just as important as the words.

When reading Trac, you need to take into account who says things, and when they were said. Support for an idea two years ago doesn't necessarily mean that the idea will still have support. You also need to pay attention to who *hasn't* spoken -- for example, if an experienced contributor hasn't been recently involved in a discussion, then a ticket may not have the support required to get into Django.

* **Start small**

It's easier to get feedback on a little issue than on a big one. See the ``easy pickings`_`.

* **If you're going to engage in a big task, make sure that your idea has support first**

This means getting someone else to confirm that a bug is real before you fix the issue, and ensuring that there's consensus on a proposed feature before you go implementing it.

* **Be bold! Leave feedback!**

Sometimes it can be scary to put your opinion out to the world and say "this ticket is correct" or "this patch needs work", but it's the only way the project moves forward. The contributions of the broad Django community ultimately have a much greater impact than that of any one person. We can't do it without *you*!

* **Err on the side of caution when marking things Ready For Check-in**

If you're really not certain if a ticket is ready, don't mark it as such. Leave a comment instead, letting others know your thoughts. If you're mostly certain, but not completely certain, you might also try asking on IRC to see if someone else can confirm your suspicions.

* **Wait for feedback, and respond to feedback that you receive**

Focus on one or two tickets, see them through from start to finish, and repeat. The shotgun approach of taking on lots of tickets and letting some fall by the wayside ends up doing more harm than good.

* **Be rigorous**

When we say ":pep:`8`, and must have docs and tests", we mean it. If a patch doesn't have docs and tests, there had better be a good reason. Arguments like "I couldn't find any existing tests of this feature" don't carry much weight--while it may be true, that means you have the extra-important job of writing the very first tests for that feature, not that you get a pass from writing tests altogether.

.. _easy pickings: <https://code.djangoproject.com/query?status=!closed&easy=1>

.. _new-contributors-faq:

FAQ

====

1. ****This ticket I care about has been ignored for days/weeks/months! What can I do to get it committed?***

First off, it's not personal. Django is entirely developed by volunteers (except the Django fellow), and sometimes folks just don't have time. The best thing to do is to send a gentle reminder to the |django-developers| mailing list asking for review on the ticket, or to bring it up in the `#django-dev` IRC channel.

2. ****I'm sure my ticket is absolutely 100% perfect, can I mark it as RFC myself?***

Short answer: No. It's always better to get another set of eyes on a ticket. If you're having trouble getting that second set of eyes, see question 1, above.

A. HISTORY OF THE SOFTWARE

=====

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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1.413 pexpect 4.6.0

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1.414 blessed 1.17.5

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1.415 websocket-client 0.40.0

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1.416 zeep 2.5.0

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1.418 cffi 1.13.1

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1.419 djangorestframework 3.8.2

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package licensing

```
import (  
    "context"  
    "crypto/hmac"  
    "crypto/sha256"  
    "encoding/base64"  
    "encoding/json"  
    "fmt"  
    "time"  
  
    "github.com/docker/libtrust"  
    "github.com/docker/licensing/lib/errors"  
    "github.com/docker/licensing/lib/go-clientlib"  
    "github.com/docker/licensing/model"  
)  
  
func (c *client) getLicenseFile(ctx context.Context, subID string) (*model.IssuedLicense, error) {  
    url := c.baseURI  
    url.Path += fmt.Sprintf("/api/billing/v4/subscriptions/%s/license-file", subID)  
  
    license := new(model.IssuedLicense)
```

```

if _, _, err := c.doReq(ctx, "GET", &url, clientlib.RecvJSON(license)); err != nil {
    return nil, err
}

return license, nil
}

// Check verifies that the license identified by the given key id is valid. Note that it does not
// interrogate the contents of the license.
func (c *client) check(ctx context.Context, license model.IssuedLicense) (*model.CheckResponse, error) {
    keyID := license.KeyID
    privateKey := license.PrivateKey

    authorization, err := c.getAuthorization(ctx,
        license)
    if err != nil {
        return nil, err
    }

    // TODO: Mason - replace this parseJWS with a non libtrust lib
    signature, err := libtrust.ParseJWS(authorization)
    if err != nil {
        return nil, errors.Wrapf(err, errors.Fields{
            "key_id": keyID,
        }, "license parse JWS failed")
    }

    keys, err := signature.Verify()
    if err != nil {
        return nil, errors.Wrapf(err, errors.Fields{
            "key_id": keyID,
        }, "license signature verification failed")
    }

    keyCnt := len(keys)
    if keyCnt != 1 {
        err = fmt.Errorf("unexpected number of signing keys (%d)", keyCnt)
        return nil, errors.WithStack(err).With(errors.Fields{
            "key_id": keyID,
        })
    }

    key := keys[0]

    if !c.recognizedSigningKey(key) {
        return nil, errors.New("unrecognized signing key")
    }
}

```

```

payload, err := signature.Payload()
if err != nil {
    return nil, errors.Wrapf(err, errors.Fields{
        "key_id": keyID,
    }, "malformed signature payload")
}

checkRes := new(model.CheckResponse)

err = json.Unmarshal(payload, &checkRes)
if
err != nil {
    return nil, errors.Wrapf(err, errors.Fields{
        "key_id": keyID,
    }, "license payload unmarshal failed")
}

msg := checkRes.Expiration.Format(time.RFC3339)
if err := checkToken(msg, checkRes.Token, privateKey); err != nil {
    return nil, errors.Wrap(err, errors.Fields{
        "key_id": keyID,
    })
}

return checkRes, nil
}

// recognizedSigningKey returns true if the given key is signed with a recognized signing key, false otherwise
func (c *client) recognizedSigningKey(key libtrust.PublicKey) bool {
    for _, publicKey := range c.publicKeys {
        if key.KeyID() == publicKey.KeyID() {
            return true
        }
    }
    return false
}

// getAuthorization returns the decoded license authorization
func (c *client) getAuthorization(ctx context.Context, license model.IssuedLicense) ([]byte, error) {
    decoded, err := base64.StdEncoding.DecodeString(license.Authorization)
    if err != nil {
        return nil, errors.Wrapf(err, errors.Fields{
            "key_id": license.KeyID,
        }, "decoding license authorization
failed")
    }
    return decoded, nil
}

```

```

// All of the functions in this file assume that they are receiving a properly
// formatted private key.

// checkToken performs a MAC algorithm (where token is generated by hashing the
// message with the privateKey via GenerateToken) with the purpose of authenticating
// the validity of both the message and the private key of the person who generated
// the token.
func checkToken(message, token, privateKey string) error {
    tokenBytes, err := base64.URLEncoding.DecodeString(token)
    if err != nil {
        return errors.Wrap(err, errors.Fields{"token": token})
    }

    generatedToken, err := generateToken(message, privateKey)
    if err != nil {
        return errors.Wrap(err, errors.Fields{"token": token})
    }

    generatedBytes, err := base64.URLEncoding.DecodeString(generatedToken)
    if err != nil {
        return errors.Wrap(err, errors.Fields{"token": token})
    }

    if !hmac.Equal(tokenBytes, generatedBytes) {
        return errors.Forbidden(errors.Fields{"token": token},
            "invalid token")
    }

    return nil
}

// generateToken generates a hash of the message with the privateKey via the
// sha256 algorithm.
func generateToken(message, privateKey string) (string, error) {
    key, err := base64.URLEncoding.DecodeString(privateKey)
    if err != nil {
        return "", errors.Wrap(err, errors.Fields{"msg": message})
    }

    h := hmac.New(sha256.New, key)
    h.Write([]byte(message))
    return base64.URLEncoding.EncodeToString(h.Sum(nil)), nil
}

```

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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package model

import "time"

// A CheckResponse is the internal content of the PublicCheckResponse signed
// json blob.
type CheckResponse struct {
    Expiration    time.Time `json:"expiration"`
    Token         string   `json:"token"`
    MaxEngines    int      `json:"maxEngines"`
    ScanningEnabled bool     `json:"scanningEnabled"`
    Type          string   `json:"licenseType"`
    Tier          string   `json:"tier"`
}

// IssuedLicense represents an issued license
type IssuedLicense struct {
    KeyID         string `json:"key_id"`
    PrivateKey    string `json:"private_key"`
    Authorization string `json:"authorization"`
}

// Valid returns true if the License is syntactically valid, false otherwise
func (l *IssuedLicense) Valid() (bool, string) {
    if l.KeyID == "" {
        return false, "empty key_id"
    }

    if l.PrivateKey == "" {
        return false, "empty private_key"
    }

    if l.Authorization == "" {
```

```
return false, "empty authorization"
```

```
}
```

```
return true, ""
```

```
}
```

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package engine

```
import (
    "time"

    "github.com/docker/cli/cli/command/formatter"
    "github.com/docker/cli/internal/licenseutils"
    "github.com/docker/licensing/model"
)

const (
    defaultSubscriptionsTableFormat = "table
    {{.Num}}\t{{.Owner}}\t{{.ProductID}}\t{{.Expires}}\t{{.ComponentsString}}"
    defaultSubscriptionsQuietFormat = "{{.Num}};{{.Summary}}"

    numHeader          = "NUM"
    ownerHeader        = "OWNER"
    licenseNameHeader  = "NAME"
    idHeader            = "ID"
    dockerIDHeader     = "DOCKER ID"
    productIDHeader    = "PRODUCT ID"
    productRatePlanHeader = "PRODUCT RATE PLAN"
    productRatePlanIDHeader = "PRODUCT RATE PLAN ID"
    startHeader        = "START"
    expiresHeader       = "EXPIRES"
    stateHeader        = "STATE"
    eusaHeader          = "EUSA"
    pricingComponentsHeader = "PRICING COMPONENTS"
)

// NewSubscriptionsFormat returns a Format for rendering using a license Context
```

```

func NewSubscriptionsFormat(source string, quiet bool) formatter.Format
{
switch source {
case formatter.TableFormatKey:
if quiet {
return defaultSubscriptionsQuietFormat
}
return defaultSubscriptionsTableFormat
case formatter.RawFormatKey:
if quiet {
return `license: {{.ID}}`
}
return `license: {{.ID}}\nname: {{.Name}}\nowner: {{.Owner}}\ncomponents: {{.ComponentsString}}\n`
}
return formatter.Format(source)
}

// SubscriptionsWrite writes the context
func SubscriptionsWrite(ctx formatter.Context, subs []licenseutils.LicenseDisplay) error {
render := func(format func(subContext formatter.SubContext) error) error {
for _, sub := range subs {
licenseCtx := &licenseContext{trunc: ctx.Trunc, l: sub}
if err := format(licenseCtx); err != nil {
return err
}
}
return nil
}
licenseCtx := licenseContext{ }
licenseCtx.Header = map[string]string{
"Num":      numHeader,
"Owner":    ownerHeader,
"Name":     licenseNameHeader,
"ID":       idHeader,
"DockerID": dockerIDHeader,
"ProductID":
productIDHeader,
"ProductRatePlan": productRatePlanHeader,
"ProductRatePlanID": productRatePlanIDHeader,
"Start":    startHeader,
"Expires":  expiresHeader,
"State":    stateHeader,
"Eusa":     eusaHeader,
"ComponentsString": pricingComponentsHeader,
}
return ctx.Write(&licenseCtx, render)
}

```

```

type licenseContext struct {
    formatter.HeaderContext
    trunc bool
    l licenseutils.LicenseDisplay
}

func (c *licenseContext) MarshalJSON() ([]byte, error) {
    return formatter.MarshalJSON(c)
}

func (c *licenseContext) Num() int {
    return c.l.Num
}

func (c *licenseContext) Owner() string {
    return c.l.Owner
}

func (c *licenseContext) ComponentsString() string {
    return c.l.ComponentsString
}

func (c *licenseContext) Summary() string {
    return c.l.String()
}

func (c *licenseContext) Name() string {
    return c.l.Name
}

func (c *licenseContext) ID() string {
    return c.l.ID
}

func (c *licenseContext) DockerID()
string {
    return c.l.DockerID
}

func (c *licenseContext) ProductID() string {
    return c.l.ProductID
}

func (c *licenseContext) ProductRatePlan() string {
    return c.l.ProductRatePlan
}

func (c *licenseContext) ProductRatePlanID() string {

```

```

return c.l.ProductRatePlanID
}

func (c *licenseContext) Start() *time.Time {
return c.l.Start
}

func (c *licenseContext) Expires() *time.Time {
return c.l.Expires
}

func (c *licenseContext) State() string {
return c.l.State
}

func (c *licenseContext) Eusa() *model.EusaState {
return c.l.Eusa
}

func (c *licenseContext) PricingComponents() []model.SubscriptionPricingComponent {
// Dereference the pricing component pointers in the pricing components
// so it can be rendered properly with the template formatter

var ret []model.SubscriptionPricingComponent
for _, spc := range c.l.PricingComponents {
if spc == nil {
continue
}
ret = append(ret, *spc)
}
return ret
}

```

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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package engine

```
import (  
    "bytes"  
    "encoding/json"  
    "strings"  
    "testing"  
    "time"  
  
    "github.com/docker/cli/cli/command/formatter"  
    "github.com/docker/cli/internal/licenseutils"  
    "github.com/docker/licensing/model"  
    "gotest.tools/assert"  
    is "gotest.tools/assert/cmp"  
)  
  
func TestSubscriptionContextWrite(t *testing.T) {  
    cases := []struct {  
        context formatter.Context  
        expected string
```

```

    }{
    // Errors
    {
    formatter.Context{Format: "{{InvalidFunction}}"},
    `Template parsing error: template: :1: function "InvalidFunction" not defined
    `,
    },
    {
    formatter.Context{Format: "{{nil}}"},
    `Template parsing error: template: :1:2: executing "" at <nil>: nil is not a command
    `,
    },
    // Table format
    {
    formatter.Context{Format: NewSubscriptionsFormat("table", false)},
    `NUM          OWNER          PRODUCT ID    EXPIRES          PRICING COMPONENTS
    1             owner1          productid1    2020-01-01 10:00:00 +0000 UTC  compstring
    2
                owner2          productid2    2020-01-01 10:00:00 +0000 UTC  compstring
    `,
    },
    {
    formatter.Context{Format: NewSubscriptionsFormat("table", true)},
    `1:License Name: name1 Quantity: 10 nodes Expiration date: 2020-01-01
    2:License Name: name2 Quantity: 20 nodes Expiration date: 2020-01-01
    `,
    },
    {
    formatter.Context{Format: NewSubscriptionsFormat("table {{.Owner}}", false)},
    `OWNER
    owner1
    owner2
    `,
    },
    {
    formatter.Context{Format: NewSubscriptionsFormat("table {{.Owner}}", true)},
    `OWNER
    owner1
    owner2
    `,
    },
    // Raw Format
    {
    formatter.Context{Format: NewSubscriptionsFormat("raw", false)},
    `license: id1
    name: name1
    owner: owner1
    components: compstring

```

```

license: id2
name: name2
owner: owner2
components: compstring

`,
},
{
  formatter.Context{Format: NewSubscriptionsFormat("raw", true)},
  `license: id1
license: id2
`,
},
// Custom Format
{
  formatter.Context{Format: NewSubscriptionsFormat("{{.Owner}}", false)},
  `owner1
owner2
`,
},
}

```

```

expiration,
_ := time.Parse(time.RFC822, "01 Jan 20 10:00 UTC")

```

```

for _, testcase := range cases {
  subscriptions := []licenseutils.LicenseDisplay{
    {
      Num: 1,
      Owner: "owner1",
      Subscription: model.Subscription{
        ID: "id1",
        Name: "name1",
        ProductID: "productid1",
        Expires: &expiration,
        PricingComponents: model.PricingComponents{
          &model.SubscriptionPricingComponent{
            Name: "nodes",
            Value: 10,
          },
        },
      },
      ComponentsString: "compstring",
    },
    {
      Num: 2,
      Owner: "owner2",

```

```

Subscription: model.Subscription{
  ID:    "id2",
  Name:  "name2",
  ProductID: "productid2",
  Expires: &expiration,
  PricingComponents: model.PricingComponents{
    &model.SubscriptionPricingComponent{
      Name: "nodes",
      Value: 20,
    },
  },
  ComponentsString: "compstring",
}
out := &bytes.Buffer{}
testcase.context.Output
= out
err := SubscriptionsWrite(testcase.context, subscriptions)
if err != nil {
  assert.Error(t, err, testcase.expected)
} else {
  assert.Check(t, is.Equal(testcase.expected, out.String()))
}
}

func TestSubscriptionContextWriteJSON(t *testing.T) {
  expiration, _ := time.Parse(time.RFC822, "01 Jan 20 10:00 UTC")
  subscriptions := []licenseutils.LicenseDisplay{
    {
      Num: 1,
      Owner: "owner1",
      Subscription: model.Subscription{
        ID:    "id1",
        Name:  "name1",
        ProductID: "productid1",
        Expires: &expiration,
        PricingComponents: model.PricingComponents{
          &model.SubscriptionPricingComponent{
            Name: "nodes",
            Value: 10,
          },
        },
        ComponentsString: "compstring",
      },
    },
  }
}

```

```

Num: 2,
Owner: "owner2",
Subscription: model.Subscription{
  ID:    "id2",
  Name:  "name2",
  ProductID: "productid2",
  Expires: &expiration,
  PricingComponents: model.PricingComponents{
    &model.SubscriptionPricingComponent{
      Name:
"nodes",
      Value: 20,
    },
  },
  ComponentsString: "compstring",
}
}
expectedJSONs := []map[string]interface{}{
{
  "Owner":    "owner1",
  "ComponentsString": "compstring",
  "Expires":  "2020-01-01T10:00:00Z",
  "DockerID": "",
  "Eusa":    nil,
  "ID":     "id1",
  "Start":  nil,
  "Name":   "name1",
  "Num":    float64(1),
  "PricingComponents": []interface{}{
    map[string]interface{}{
      "name": "nodes",
      "value": float64(10),
    },
  },
  "ProductID": "productid1",
  "ProductRatePlan": "",
  "ProductRatePlanID": "",
  "State": "",
  "Summary": "License Name: name1\tQuantity: 10 nodes\tExpiration date: 2020-01-01",
},
{
  "Owner":    "owner2",
  "ComponentsString": "compstring",
  "Expires":  "2020-01-01T10:00:00Z",
  "DockerID": "",
  "Eusa":    nil,
  "ID":

```

```

        "id2",
        "Start":      nil,
        "Name":      "name2",
        "Num":       float64(2),
        "PricingComponents": []interface{}{
            map[string]interface{}{
                "name": "nodes",
                "value": float64(20),
            },
        },
        "ProductID":    "productid2",
        "ProductRatePlan": "",
        "ProductRatePlanID": "",
        "State":        "",
        "Summary":      "License Name: name2\tQuantity: 20 nodes\tExpiration date: 2020-01-01",
    },
}

```

```

out := &bytes.Buffer{ }
err := SubscriptionsWrite(formatter.Context{Format: "{{json .}}", Output: out}, subscriptions)
if err != nil {
    t.Fatal(err)
}
for i, line := range strings.Split(strings.TrimSpace(out.String()), "\n") {
    var m map[string]interface{ }
    if err := json.Unmarshal([]byte(line), &m); err != nil {
        t.Fatal(err)
    }
    assert.Check(t, is.DeepEqual(expectedJSONs[i], m))
}
}

```

```

func TestSubscriptionContextWriteJSONField(t *testing.T) {
    subscriptions := []licenseutils.LicenseDisplay{
        {Num: 1, Owner:
        "owner1"},
        {Num: 2, Owner: "owner2"},
    }
    out := &bytes.Buffer{ }
    err := SubscriptionsWrite(formatter.Context{Format: "{{json .Owner}}", Output: out}, subscriptions)
    if err != nil {
        t.Fatal(err)
    }
    for i, line := range strings.Split(strings.TrimSpace(out.String()), "\n") {
        var s string
        if err := json.Unmarshal([]byte(line), &s); err != nil {
            t.Fatal(err)
        }
    }
}

```

```
assert.Check(t, is.Equal(subscriptions[i].Owner, s))
}
}
```

1.421 glib 2.62.4

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1.422 libatomic 7.6.10

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1.424 browserify-des 1.0.2

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1.425 micromatch 2.3.11

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1.426 open-vm-tools 10.3.5-10430147

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>>> frebsd-base64-4.8

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base64.c -- routines to encode/decode base64 data

\$OpenLDAP: pkg/ldap/libraries/liblutil/base64.c,v 1.15 2006/01/03 22:12:11 kurt Exp \$ /

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1.427 parse-asn1 5.1.1

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1.428 python-certifi 2019.11.28

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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 \$
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1.429 supports-color 5.3.0

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1.430 remove-trailing-separator 1.1

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1.431 procps 3.3.15

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1.432 wwidth 0.1.7

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1.433 redis 3.2.0

1.433.1 Available under license :

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* /opt/cola/permits/1207228151_1632672049.02/0/connect-redis-3-2-0-1-tgz/package/lib/connect-redis.js

1.434 golang 1.13.8

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# that the other addresses should be recognized
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1.438 json5 1.0.1

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1.445 service-identity 18.1.0

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a)

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to most
effectively convey the exclusion of warranty; and each file should
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<one line to give the library's name and a brief idea of what it
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Foundation, Inc., 59 Temple Place, Suite 330, Boston,
MA 02111-1307 USA

Also add information on how to contact you by electronic and paper
mail.

You should also get your employer (if you work as a programmer) or
your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library `Frob' (a library for tweaking knobs) written by James
Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.448 sapy 1.4.7

1.448.1 Available under license :

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

```
"_SLERUM::slerum_auth_request - send auth request for the license: %s"
```

Found in path(s):

```
* /opt/cola/permits/1331064531_1660589239.7372057/0/sapy-mirror-release-v1-4-7-zip/sapy-mirror-release-v1.4.7/test_automation/sanity/sa_ultra.py
```

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

```
:class:`TransportFatalError`: a special exception type recognized by the agent.
```

```
:class:`TransportRetryLater`: a special exception type recognized by the agent.
```

Found in path(s):

```
* /opt/cola/permits/1331064531_1660589239.7372057/0/sapy-mirror-release-v1-4-7-zip/sapy-mirror-release-v1.4.7/sapy/plugins/transport/base.py
```

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

```
// Permission to use, copy, modify, and/or distribute this software for any
```

```
// purpose with or without fee is hereby granted, provided that the above
```

```
// copyright notice and this permission notice appear in all copies.
```

Found in path(s):

```
* /opt/cola/permits/1331064531_1660589239.7372057/0/sapy-mirror-release-v1-4-7-zip/sapy-mirror-release-v1.4.7/docs/source/.static/js/renderjson.js
```

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

```
{
"cells": [
{
"cell_type": "markdown",
"metadata": {},
"source": [
"# Setup\n",
"\n",
"Parameters to be configured before running the notebook:"
]
},
{
"cell_type": "code",
"execution_count": 1,
"metadata": {},
"outputs": [],
"source": [
"SQLITE_PATH = \"/path/to/db.sqlite"\n",
```

```

"C_LIBRARY_PATH = \"/path/to/libSmartSecurity.so\"\n",
"ENTITLEMENT_TAG = \"<ent-tag>\"
]
},
{
"cell_type": "markdown",
"metadata": {},
"source": [
"# Run It"
]
},
{
"cell_type": "code",
"execution_count": 1,
"metadata": {},
"outputs": [],
"source": [
"import os\n",
"import time\n",
"\n",
"import sapy\n",
"from sapy.plugins.datastore import SQLiteDatastore"
]
},
{
"cell_type": "code",
"execution_count": 2,
"metadata": {},
"outputs": [],
"source": [
"SQLITE_PATH = \"/path/to/db.sqlite\"\n",
"C_LIBRARY_PATH
= \"/path/to/libSmartSecurity.so\"\n",
"ENTITLEMENT_TAG = \"<ent-tag>\"
]
},
{
"cell_type": "code",
"execution_count": 3,
"metadata": {},
"outputs": [],
"source": [
"def getsize():\n",
"    return os.path.getsize(SQLITE_PATH)"
]
},
{
"cell_type": "code",

```

```

"execution_count": 4,
"metadata": {},
"outputs": [],
"source": [
    "if os.path.exists(SQLITE_PATH):\n",
    "    os.remove(SQLITE_PATH)\n",
    "\n",
    "sapy.mock.settings[\"builtin_security_module.c_library_path\"] = C_LIBRARY_PATH\n",
    "sapy.mock.settings[\"datastore.filepath\"] = SQLITE_PATH\n",
    "sapy.mock.plugins[\"datastore\"] = SQLiteDatastore\n",
    "\n",
    "sapy.init_smart_agent(sapy.mock.settings, sapy.mock.plugins)\n",
    "\n",
    "agent = sapy.smart_agent()"
]
},
{
    "cell_type": "code",
    "execution_count": 5,
    "metadata": {},
    "outputs": [],
    "source": [
        "from ipywidgets import FloatProgress\n",
        "from IPython.display
import display\n",
        "\n",
        "number = 100\n",
        "progress_bar = FloatProgress(min=0, max=number)\n",
        "display(progress_bar)\n",
        "\n",
        "tcid, tenant = agent.create_tenant()\n",
        "task = tenant.register(sapy.mock.token, force=True)\n",
        "\n",
        "data_KB = []\n",
        "for i in range(number):\n",
        "    entitlement = tenant.entitlement(ENTITLEMENT_TAG)\n",
        "    entitlement.request(1)\n",
        "    time.sleep(.1)\n",
        "    size_Byte = getsize()\n",
        "    data_KB.append(size_Byte/1000.0)\n",
        "    progress_bar.value += 1\n",
        "\n",
        "print(\"Done \")"
]
},
{
    "cell_type": "markdown",
    "metadata": {},

```

```

"source": [
  "# Graph It\n",
  "\n",
  "*Note:* matplotlib is required to plot the graph. You are free to use any other plotting libraries though. For most
of the system, within the current virtual environment issuing following command should suffice to install
matplotlib.\n",
  "`bash\n",
  "$ pip install matplotlib\n",
  "`\n",
  "\n",
  "* More details at official [matplotlib](https://matplotlib.org/users/installing.html) installation page.\n"
]
},
{
  "cell_type": "code",
  "execution_count": 7,
  "metadata": {},
  "outputs": [
    {
      "data": {
        "image/png":
"iVBORw0KGgoAAAANSUhEUgAAAYgAAAEWCAYAAAB8LwAVAAAABHNCSVQICAgIfAhkiAAAAAI
wSFlzAAALEgAACxIB0t1+/AAAAD10RVh0U29mdHdhcmUAAbWF0cGxvdGxpYiB2ZXJzaW9uIDMuMC4zLC
BodHRwOi8vbWF0cGxvdGxpYi5vcmcvnQurowAAIABJREFUeJzt3X18XXWd/HXp9naJKW1TSyUVgK0gKXX
0iKbOi0VBpXFHyKIyoCD1oVBcIVRB1BBYXREnBkXQC0iUhFZOygoNCwqW8tOWWopdAGalhaSps3Wz++
P7/emt7cnNzdpbm7uzfv5eORxz3bP+XzPOfl+znax9wdERGRTCMKHYCLiAxNShAiIpJICUJERBIpQYiISCIICB
ERSaQEISliiZQghgAzczObkmX802Y2K8d5LTez9w1YcP1kZl83s6uyjD/dzO4fzJhkW2b2OTN7zcXazGx8oeORo
UcJYgfyEyrjdzOoyhj8aK/2GfsxznpldD7M3fd198YdCjaPzGyWma1MH+bu33X3T8XxDXF9IBcmwtwNIQS7o3or
h5IVAD8EjnL3WndfN3jRDZ7eDr4GMY6i+R9IpsX414ETkn1mNk7gOrChSODqj+4dNMAEYCT/flixao7hgO
3F1//fwDlGpFBB5OG/YD4BuAAw1xWCPwqbRpTgfuT+t3YAowF+gA2oEW4La05bwwdl8I3AD8DmgGFgP7ZcS
UmnYEcb7wD2AdcD0wLkt5jgEeAzYAfwpemTHfrwBPAG/E5Y8EaoBNwJYYcswsMcb5m/jdl2MZU+MPTVg
H+wB/Bl4HngNOShs3D/gJ8Mf4/b8COWM/AtYDzwIHpeO/EfgD0ERI4F9IG3dhXA+/juvvaWBmHHdNLMemuJy
vJayjWcBK4FzgVeCaHNbdAXE7Ncf1Nh+4KGlfsN8fYncVYz96GXgN+BkwKo6rAxbEZb4O3Be3edZyAHsBG
9O2yd1x+GHAW3H7PgwcIvadrRuDiuO43peLLmO+5wKpYzueAOXH4u4C/xzhfAf4HqMwo7+eBF+J3vwPsGdfj
m3F7pU/f47rOiOfeOO+Nszwn93c/j+PeEtd3E2G/WwBMyLhH34nrqBm4E6jr6X+gOPVXTnVcoQMo5r+4M70v/j
O8HSgjVB670Y8EEbvnESuPzOXE7gsJSeREoCLuzC8CFQnTng08AEwiVDQ/B67roSwHAGuAg2M5Tovzqkqb7
0OEynccsAT4bBw3C1iZMb8L2ZogGmIZy5PWASHJrAA+CZTHWNYC09LWyVpgBiEp3R3L/C8x1ouAhXHaE
cAi4HygEtgDWAb8c1pcm4EPxO9+D3ggaV33sJ5mAZ3ApXGdjsq27mIMLwFfjNvrXlJ9ck0QlWg3xnU+GrgN+F
4c9z1Cwqilf+8BLMdybLNN4vzXA6fGbXbK7B+ftg+/DOwbx1dkzG/vuA0nps1/z9g9Azgkfq+Bso+ck1HeW4Cd
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Found in path(s):

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

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"\n",
"data_KB = []\n",
"for i in range(number):\n",
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"    task = tenant.register(sapy.mock.token, force=True)\n",
"    \n",
"    time.sleep(.1)\n",
"    size_Byte = getsize()\n",
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"\n",
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"$ pip install matplotlib\n",
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Faz4o5OCgnGIWoCXg7vjdDRXKDC3WvCMn8HvJdgmI9DdS7ByLyvh6/zgakEg8Stdfel4fRXCRlcYbzfBIYABU
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"text/plain": [  
  "<Figure size 432x288 with 1 Axes>"  
]  
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"metadata": {  
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},  
"output_type": "display_data"  
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],  
"source": [  
  "# Plot showing sqlite db filesize for the entitlement requests\n",  
  "%matplotlib inline\n",  
  "\n",  
  "import matplotlib.pyplot as plt\n",  
  "\n",  
  "plt.plot(data_KB, list(range(len(data_KB))), label='linear')\n",  
  "plt.xlabel(\"Number of Tenants\")\n",  
  "plt.ylabel(\"DB filesize in KB\")\n",  
  "plt.title(\"Multiple tenant creation and registration\")\n",  
  "plt.grid(True)\n",  
  "plt.legend()\n",  
  "plt.show()"  
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},  
{  
  "cell_type": "code",  
  "execution_count": null,  
  "metadata": {},  
  "outputs": [],
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```

"source": []
}
],
"metadata": {
"kernelpec": {
"display_name": "Python 3",
"language": "python",
"name": "python3"
},
"language_info":
{
"codemirror_mode": {
"name": "ipython",
"version": 3
},
"file_extension": ".py",
"mimetype": "text/x-python",
"name": "python",
"nbconvert_exporter": "python",
"pygments_lexer": "ipython3",
"version": "3.6.8"
}
},
"nbformat": 4,
"nbformat_minor": 2
}

```

Found in path(s):

```
* /opt/cola/permits/1331064531_1660589239.7372057/0/sapy-mirror-release-v1-4-7-zip/sapy-mirror-release-v1.4.7/docs/source/materials/tenant-creation.ipynb
```

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

Smart Licensing Status

```

=====
{{get_license_status}}
Evaluation Period:
Evaluation Mode: {{get_eval_mode}}
Evaluation Period Remaining: {{get_eval_period_remaining}}

```

License Usage

```

=====
{{^get_license_usage}} {{get_line_break}} No licenses in
use {{get_line_break}} {{/get_license_usage}} {{#get_license_usage}}
License: {{#name}} {{name}} {{/name}}
Entitlement Tag: {{#name-tag}} {{name-tag}} {{/name-tag}}
Description: {{#description}} {{description}} {{/description}}
Count: {{#count}} {{count}} {{/count}}
Version: {{#version}} {{version}} {{/version}}

```

Status: {{#status}}{{status}}{/status}}
Status time: {{#status_time}}{{status_time}}{/status_time}}
Request Time: {{#request_time}}{{request_time}}{/request_time}} {{#export-status}} {{get_line_break}}
Export status: {{export-status}}{/export-status}} {{#feature}} {{get_line_break}} Feature name:
{{feature}}{/feature}} {{#feature description}} {{get_line_break}}
Feature Description: {{feature description}}{/feature description}}
{{/get_license_usage}}

Product Information

=====

{{get_license_udi}}

Agent Version

=====

Smart Agent for Licensing: {{get_agent_version}}

Upcoming Scheduled Jobs

=====

Certificate Renewal: {{get_cert_renewal}}

Certificate Expiration: {{get_cert_expiration_check}}

Authorization Renewal: {{get_auth_renewal}}

Authorization Expiration: {{get_auth_expiration_check}}

Evaluation Expiration Check: {{get_eval_expiration_check}}

Register Period Expiration Check: {{get_register_period_expiration_check}}

Ack Expiration Check: {{get_ack_expiration_check}}

License Certificates

=====

{{^get_license_certificates_default}}

Production cert: {{get_production_cert}}

PIID: {{get_piid}}

Licensing Certificates:

ID Cert Info:

Start Date: {{#get_id_cert_start_date}}{{get_id_cert_start_date}}{/get_id_cert_start_date}}

Expiry Date: {{#get_id_cert_expiry_date}}{{get_id_cert_expiry_date}}{/get_id_cert_expiry_date}}

Version: {{#get_id_cert_version_number}}{{get_id_cert_version_number}}{/get_id_cert_version_number}}

Serial Number:

{{#get_id_cert_serial_number}}{{get_id_cert_serial_number}}{/get_id_cert_serial_number}}

Common Name:

{{#get_id_cert_common_name}}{{get_id_cert_common_name}}{/get_id_cert_common_name}}

Issuer Name: {{#get_id_cert_issuer_name}}{{get_id_cert_issuer_name}}{/get_id_cert_issuer_name}}

Attributes:

CN: {{#get_id_cert_attributes_cn}}{{get_id_cert_attributes_cn}}{/get_id_cert_attributes_cn}}

Serial Number:

{{#get_id_cert_attributes_serial_number}}{{get_id_cert_attributes_serial_number}}{/get_id_cert_attributes_serial_number}}

O: {{#get_id_cert_attributes_o}}{{get_id_cert_attributes_o}}{/get_id_cert_attributes_o}}

Signing Cert Info:

```

    Start Date: {{#get_signing_cert_start_date}}{{get_signing_cert_start_date}}{/get_signing_cert_start_date}}
    Expiry
Date: {{#get_signing_cert_expiry_date}}{{get_signing_cert_expiry_date}}{/get_signing_cert_expiry_date}}
    Version:
{{#get_signing_cert_version_number}}{{get_signing_cert_version_number}}{/get_signing_cert_version_number
}}
    Serial Number:
{{#get_signing_cert_serial_number}}{{get_signing_cert_serial_number}}{/get_signing_cert_serial_number}}
    Common Name:
{{#get_signing_cert_common_name}}{{get_signing_cert_common_name}}{/get_signing_cert_common_name}}
    Issuer Name:
{{#get_signing_cert_issuer_name}}{{get_signing_cert_issuer_name}}{/get_signing_cert_issuer_name}}
    Attributes:
    CN:
{{#get_signing_cert_attributes_cn}}{{get_signing_cert_attributes_cn}}{/get_signing_cert_attributes_cn}}
    O: {{#get_signing_cert_attributes_o}}{{get_signing_cert_attributes_o}}{/get_signing_cert_attributes_o}}

Intermediate Cert info:
Start Date:
{{#get_intermediate_cert_start_date}}{{get_intermediate_cert_start_date}}{/get_intermediate_cert_start_date}}
    Expiry Date:
{{#get_intermediate_cert_expiry_date}}{{get_intermediate_cert_expiry_date}}{/get_intermediate_cert_expiry_da
te}}
    Version:
{{#get_intermediate_cert_version_number}}{{get_intermediate_cert_version_number}}{/get_intermediate_cert_v
ersion_number}}
    Serial Number:
{{#get_intermediate_cert_serial_number}}{{get_intermediate_cert_serial_number}}{/get_intermediate_cert_seria
l_number}}
    Common Name:
{{#get_intermediate_cert_common_name}}{{get_intermediate_cert_common_name}}{/get_intermediate_cert_co
mmon_name}}
    Issuer Name:
{{#get_intermediate_cert_issuer_name}}{{get_intermediate_cert_issuer_name}}{/get_intermediate_cert_issuer_n
ame}}
    Attributes:
    CN:
{{#get_intermediate_cert_attributes_cn}}{{get_intermediate_cert_attributes_cn}}{/get_intermediate_cert_attri
butes_cn}}
    O:
{{#get_intermediate_cert_attributes_o}}{{get_intermediate_cert_attributes_o}}{/get_intermediate_cert_attri
butes_o}}
{{/get_license_certificates_default}}{{#get_license_certificates_default}}Production
cert:
{{get_production_cert}}{{get_line_break}}{{get_license_certificates_default}}{{get_line_break}}{/get_license_
certificates_default}}
Other info
=====

```

Software ID: {{get_software_tag}}
Tenant State: {{get_tenant_state}}
Transport: {{get_transport}}
Locale: {{get_locale}}
Tenants available: {{get_list_of_tenants_created}}
Reservation enable: {{get_reservation_enable}}
{{#get_reservation_enable}}
Reservation status: {{get_reservation_status}}
Reservation Request code: {{get_reservation_request_code}}
Reservation authorization code: {{get_reservation_auth_code}}
Reservation return code: {{get_reservation_return_code}}
Reservation confirmation code: {{get_reservation_confirmation_code}}
{{/get_reservation_enable}}

Found in path(s):

* /opt/cola/permits/1331064531_1660589239.7372057/0/sapy-mirror-release-v1-4-7-zip/sapy-mirror-release-v1.4.7/clitools/cliexecuter/show_tech_support.mustache
* /opt/cola/permits/1331064531_1660589239.7372057/0/sapy-mirror-release-v1-4-7-zip/sapy-mirror-release-v1.4.7/sapy/builtins/show_api/templates/show_tech_support.mustache

1.449 Ivm2 2.02.185

1.449.1 Available under license :

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Version 2.1, February 1999

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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.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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Sections above.

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1.450 html5lib 1.1

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1.451 webencodings 0.5.1

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python-webencodings

=====

This is a Python implementation of the `WHATWG Encoding standard
<<http://encoding.spec.whatwg.org/>>` _.

- * Latest documentation: <http://packages.python.org/webencodings/>
- * Source code and issue tracker:
<https://github.com/gsnedders/python-webencodings>
- * PyPI releases: <http://pypi.python.org/pypi/webencodings>
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In order to be compatible with legacy web content

when interpreting something like ``Content-Type: text/html; charset=latin1``, tools need to use a particular set of aliases for encoding labels as well as some overriding rules. For example, ``US-ASCII`` and ``iso-8859-1`` on the web are actually aliases for ``windows-1252``, and an UTF-8 or UTF-16 BOM takes precedence over any other encoding declaration. The Encoding standard defines all such details so that implementations do not have to reverse-engineer each other.

This module has encoding labels and BOM detection, but the actual implementation for encoders and decoders is Python's.

Found in path(s):

```
* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/README.rst
```

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```
from setuptools import setup, find_packages
import io
from os import path
import re
```

```
VERSION = re.search("VERSION = '([^\s]+)'", io.open(
    path.join(path.dirname(__file__), 'webencodings', '__init__.py'),
    encoding='utf-8'
).read().strip()).group(1)
```

```
LONG_DESCRIPTION = io.open(
    path.join(path.dirname(__file__), 'README.rst'),
    encoding='utf-8'
).read()
```

```
setup(
    name='webencodings',
    version=VERSION,
    url='https://github.com/SimonSapin/python-webencodings',
    license='BSD',
    author='Simon Sapin',
    author_email='simon.sapin@exyr.org',
    maintainer='Geoffrey Sneddon',
    maintainer_email='me@gsnedders.com',
    description='Character encoding aliases for legacy web content',
    long_description=LONG_DESCRIPTION,
    classifiers=[
        'Development Status :: 4 - Beta',
```

```

    'Intended Audience :: Developers',
    'License :: OSI Approved :: BSD License',
    'Programming Language
:: Python',
    'Programming Language :: Python :: 2',
    'Programming Language :: Python :: 2.6',
    'Programming Language :: Python :: 2.7',
    'Programming Language :: Python :: 3',
    'Programming Language :: Python :: 3.3',
    'Programming Language :: Python :: 3.4',
    'Programming Language :: Python :: 3.5',
    'Programming Language :: Python :: 3.6',
    'Programming Language :: Python :: Implementation :: CPython',
    'Programming Language :: Python :: Implementation :: PyPy',
    'Topic :: Internet :: WWW/HTTP',
],
packages=find_packages(),
)

```

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```
* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/setup.py
```

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```
"""
```

```
webencodings.mklabels
```

```
~~~~~
```

Regenerate the webencodings.labels module.

```
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```

```
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```

```
"""
```

```
import json
```

```
try:
```

```
    from urllib import urlopen
```

```
except ImportError:
```

```
    from urllib.request import urlopen
```

```
def assert_lower(string):
```

```
    assert string == string.lower()
```

```
    return string
```

```

def generate(url):
    parts = ["\
    """

    webencodings.labels
    ~~~~~

    Map encoding labels to their name.

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    """

    # XXX Do not edit!
    # This file is automatically generated by mklabels.py

    LABELS = {
    ""
    labels = [
        (repr(assert_lower(label)).lstrip('u'),
         repr(encoding['name']).lstrip('u'))
        for category in json.loads(urlopen(url).read().decode('ascii'))
        for encoding in category['encodings']
        for label in encoding['labels']]
    max_len = max(len(label) for label, name in labels)
    parts.extend(
        ' %s:%s %s,\n' % (label, ' ' * (max_len - len(label)), name)
        for label, name in labels)
    parts.append('}')
    return ".join(parts)

if __name__ == '__main__':
    print(generate('http://encoding.spec.whatwg.org/encodings.json'))

Found in path(s):
* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings/mklabels.py
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Found in path(s):
* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings/labels.py
* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings/__init__.py

```

* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings/tests.py
* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings/x_user_defined.py

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

Metadata-Version: 1.1

Name: webencodings

Version: 0.5.1

Summary: Character encoding aliases for legacy web content

Home-page: <https://github.com/SimonSapin/python-webencodings>

Author: Geoffrey Sneddon

Author-email: me@gsnedders.com

License: BSD

Description: python-webencodings

=====

This is a Python implementation of the `WHATWG Encoding standard` <<http://encoding.spec.whatwg.org/>>` _.

- * Latest documentation: <http://packages.python.org/webencodings/>
- * Source code and issue tracker:
<https://github.com/gsnedders/python-webencodings>
- * PyPI releases: <http://pypi.python.org/pypi/webencodings>
- * License: BSD
- * Python 2.6+ and 3.3+

In order to be compatible with legacy web content when interpreting something like ``Content-Type: text/html; charset=latin1``, tools need to use a particular set of aliases for encoding labels as well as some overriding rules. For example, ``US-ASCII`` and ``iso-8859-1`` on the web are actually aliases for ``windows-1252``, and an UTF-8 or UTF-16 BOM takes precedence over any other encoding declaration. The Encoding standard defines all such details so that implementations do not have to reverse-engineer each other.

This module has encoding labels and BOM detection, but the actual implementation for encoders and decoders is Python's.

Platform: UNKNOWN

Classifier: Development Status :: 4 - Beta

Classifier: Intended Audience :: Developers

Classifier: License :: OSI Approved :: BSD License

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
:: 3.3
Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5
Classifier: Programming Language :: Python :: 3.6
Classifier: Programming Language :: Python :: Implementation :: CPython
Classifier: Programming Language :: Python :: Implementation :: PyPy
Classifier: Topic :: Internet :: WWW/HTTP

Found in path(s):

* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings.egg-info/PKG-INFO

* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/PKG-INFO

1.452 futures 3.3.0

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1.453 backports-ssl-match-hostname 3.5.0.1

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1.454 packaging 16.8

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1.455 python-lxml 4.6.5

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1.456 cssesc 0.1.0

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1.457 pyyami 5.3

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1.458 squashfs 4.4

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1.459 python-setuptools v40.2.0

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1.460 nginx 1.77.7

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1.461 libzlib 1.2.11

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1.462 glibc 2.33-6-

g8d4241b8976273513e72cc1c5f6b1af3

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Version 2.1, February 1999

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1.465 libfastjson 0.99.8

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1.466 linux-kernel 5.15.117

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```
/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
*
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
* interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
*
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
*
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather
  lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
*    combined, allow nicstar_free_rx_skb to be called to
*    recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
*
*
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* along with this program; if not, write to the Free Software
* Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
*
* M. Welsh, 6 July 1996
*
*
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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)

*

* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.

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* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY

* interrupts us (except possibly for removal/insertion of the cable?)

* 10/4/97 - began heavy inline documentation of the code. Corrected typos

* and spelling mistakes.

* 10/5/97 - added code to handle PHY interrupts, disable PHY on

* loss of link, and correctly re-enable PHY when link is

* re-established. (put back CFG_PHYIE)

*

* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

*

* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

*

* Linux driver for the IDT77201 NICStAR PCI ATM controller.

* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;

* see init_nicstar() for PHY initialization to change this. This driver

* expects the Linux ATM stack to support scatter-gather

lists

* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.

*

* Implementing minimal-copy of received data:

* IDT always receives data into a small buffer, then large buffers

* as needed. This means that data must always be copied to create

* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)

* Fix is simple: make large buffers large enough to hold entire

* SDU, and leave <small_buffer_data> bytes empty at the start. Then

* copy small buffer contents to head of large buffer.

* Trick is to avoid fragmenting Linux, due to need for a lot of large

* buffers. This is done by 2 things:

* 1) skb->destructor / skb->atm.recycle_buffer

* combined, allow nicstar_free_rx_skb to be called to

* recycle large data buffers

* 2) skb_clone of received buffers

* See nicstar_free_rx_skb and linearize_buffer for implementation

* details.

*

*

*

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* M. Welsh, 6 July 1996

*

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Open-vm-tools v10.3.0

The Linux kernel modules are released under the GPL v2, a majority of the user level components are released under the LGPL v2.1, and the SVGA and mouse drivers are released under the X11 license.

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Version 2, June 1991

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1.469 util-linux 2.35.1

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```
#!/usr/bin/env bash
# MIT licenses will each have a unique MD5 sum since they contain a unique copyright.
# This script will read the license file into memory, strip out the copyright, and then
# generate an MD5 that is not unique and can be matched against a known MIT MD5 sum.
set -e
```

```
calculate_md5_sum() {
  local FILE="$1"

  # Read the contents of the file into a variable
  local raw_license_text=$(<"$FILE")

  # Convert to lowercase
  local lowercase_license_text="${raw_license_text,,}"

  # Remove anything before the beginning of the license
  local stripped_license_text=$(awk '/permission is hereby granted,/{p=1} p' <<< "$lowercase_license_text")

  # Replace line breaks (Windows or Linux) with a single space
  local replaced_linebreaks=$(tr '\r\n' ' ' <<< "$stripped_license_text")

  # Replace multiple spaces with a single space
  local normalized_license_text=$(tr -s ' ' <<< "$replaced_linebreaks")

  # Strip away any non-printable, non-whitespace characters
  local clean_unprintable_license_text=$(tr
  -cd '[:print:][:space:]' <<< "$normalized_license_text")

  # Remove punctuation and special characters
  local clean_license_text=$(echo "$clean_unprintable_license_text" | sed 's/[^a-zA-Z ]//g')

  # Calculate the MD5 sum of the cleaned license text
  local MD5SUM=$(echo -n "$clean_license_text" | md5sum | awk '{print $1}')
}
```

```
# Output the MD5 sum
echo "$MD5SUM"
}

# Check if the FILE argument is provided
if [ -z "$1" ]; then
echo "Please provide a FILE as an argument."
exit 1
fi

# Invoke the function with the provided FILE argument
calculate_md5_sum "$1"
GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007
```

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A. HISTORY OF THE SOFTWARE

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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, 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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1.474 pcre 8.44

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1.475 libevent 2.1.11

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1.476 paramiko 2.7.2

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1.477 python-pip 19.3.1

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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
3.2.1	3.2	2011	PSF	yes
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3.3	3.2			
2012	PSF	yes		

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- Wichert Akkerman, 2012/02/02

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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
2.2	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
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
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
2.7	2.6	2010	PSF	yes

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A. HISTORY OF THE SOFTWARE

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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.

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
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
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
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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	2010	PSF	yes
3.2	3.1	2010	PSF	yes

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

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

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1.478 uri-js 4.2.2

1.478.1 Available under license :

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URI.js

URI.js is an [RFC 3986](<http://www.ietf.org/rfc/rfc3986.txt>) compliant, scheme extendable URI parsing/validating/resolving library for all JavaScript environments (browsers, Node.js, etc).

It is also compliant with the IRI ([RFC 3987](<http://www.ietf.org/rfc/rfc3987.txt>)), IDNA ([RFC 5890](<http://www.ietf.org/rfc/rfc5890.txt>)), IPv6 Address ([RFC 5952](<http://www.ietf.org/rfc/rfc5952.txt>)), IPv6 Zone Identifier ([RFC 6874](<http://www.ietf.org/rfc/rfc6874.txt>)) specifications.

URI.js has an extensive test suite, and works in all (Node.js, web) environments. It weighs in at 6.2kb (gzipped, 16kb deflated).

API

Parsing

```
URI.parse("uri://user:pass@example.com:123/one/two.three?q1=a1&q2=a2#body");
//returns:
//{
//  scheme : "uri",
//  userinfo : "user:pass",
//  host : "example.com",
//  port : 123,
//  path : "/one/two.three",
//  query : "q1=a1&q2=a2",
//  fragment : "body"
//}
```

Serializing

```
URI.serialize({scheme
: "http", host : "example.com", fragment : "footer"}) === "http://example.com/#footer"
```

Resolving

```
URI.resolve("uri://a/b/c/d?q", "../g") === "uri://a/g"
```

Normalizing

```
URI.normalize("HTTP://ABC.com:80/%7Esmith/home.html") === "http://abc.com/~smith/home.html"
```

Comparison

```
URI.equal("example://a/b/c/%7Bfoo%7D", "eXAMPLE://a/./b/./b/%63/%7bfoo%7d") === true
```

IP Support

```
//IPv4 normalization
URI.normalize("//192.068.001.000") === "//192.68.1.0"
```

```
//IPv6 normalization
URI.normalize("//[2001:0:0DB8::0:0001]") === "//[2001:0:db8::1]"
```

```
//IPv6 zone identifier support
URI.parse("//[2001:db8::7%25en1]");
//returns:
//{
// host : "2001:db8::7%en1"
//}
```

IRI Support

```
//convert IRI to URI
URI.serialize(URI.parse("http://exampLé.org/rosé")) === "http://xn--examl-gva.org/ros%C3%A9"
//convert URI to IRI
URI.serialize(URI.parse("http://xn--examl-gva.org/ros%C3%A9"), {iri:true}) === "http://exampLé.org/rosé"
```

Options

All of the above functions can accept an additional options argument that is an object that can contain one or more of the following properties:

* ``scheme`` (string)

Indicates the scheme that the URI should be treated as, overriding the URI's normal scheme parsing behavior.

* ``reference`` (string)

If set to ``"suffix"``, it indicates that the URI is in the suffix format, and the validator will use the option's ``scheme`` property to determine the URI's scheme.

* ``tolerant`` (boolean, false)

If set to ``true``, the parser will relax URI resolving rules.

* ``absolutePath`` (boolean, false)

If set to ``true``, the serializer will not resolve a relative ``path`` component.

* ``iri`` (boolean, false)

If set to ``true``, the serializer will unescape non-ASCII characters as per [RFC 3987](<http://www.ietf.org/rfc/rfc3987.txt>).

* `unicodeSupport` (boolean, false)

If set to `true`, the parser will unescape non-ASCII characters in the parsed output as per [RFC 3987](http://www.ietf.org/rfc/rfc3987.txt).

* `domainHost`
(boolean, false)

If set to `true`, the library will treat the `host` component as a domain name, and convert IDNs (International Domain Names) as per [RFC 5891](http://www.ietf.org/rfc/rfc5891.txt).

Scheme Extensible

URI.js supports inserting custom [scheme](http://en.wikipedia.org/wiki/URI_scheme) dependent processing rules. Currently, URI.js has built in support for the following schemes:

- * http \[[RFC 2616](http://www.ietf.org/rfc/rfc2616.txt)\]
- * https \[[RFC 2818](http://www.ietf.org/rfc/rfc2818.txt)\]
- * mailto \[[RFC 6068](http://www.ietf.org/rfc/rfc6068.txt)\]
- * urn \[[RFC 2141](http://www.ietf.org/rfc/rfc2141.txt)\]
- * urn:uuid \[[RFC 4122](http://www.ietf.org/rfc/rfc4122.txt)\]

HTTP Support

```
URI.equal("HTTP://ABC.COM:80", "http://abc.com/") === true
```

Mailto Support

```
URI.parse("mailto:alpha@example.com,bravo@example.com?subject=SUBSCRIBE&body=Sign%20me%20up!");  
//returns:  
//{  
// scheme : "mailto",  
// to : ["alpha@example.com", "bravo@example.com"],  
// subject  
// : "SUBSCRIBE",  
// body : "Sign me up!"  
//}
```

```
URI.serialize({  
  scheme : "mailto",  
  to : ["alpha@example.com"],  
  subject : "REMOVE",  
  body : "Please remove me",  
  headers : {  
    cc : "charlie@example.com"  
  }  
}) ===
```

```
"mailto:alpha@example.com?cc=charlie@example.com&subject=REMOVE&body=Please%20remove%20me"
```

URN Support

```
URI.parse("urn:example:foo");  
//returns:  
//{  
// scheme : "urn",  
// nid : "example",  
// nss : "foo",  
//}
```

URN UUID Support

```
URI.parse("urn:uuid:f81d4fae-7dec-11d0-a765-00a0c91e6bf6");  
//returns:  
//{  
// scheme : "urn",  
// nid : "example",  
// uuid : "f81d4fae-7dec-11d0-a765-00a0c91e6bf6",  
//}
```

Usage

To load in a browser, use the following tag:

```
<script type="text/javascript" src="uri-js/dist/es5/uri.all.min.js"></script>
```

To load in a CommonJS (Node.js) environment, first install with npm by running on the command line:

```
npm install uri-js
```

Then, in your code, load it using:

```
const URI = require("uri-js");
```

If you are writing your code in ES6+ (ESNEXT) or TypeScript, you would load it using:

```
import * as URI from "uri-js";
```

Or you can load just what you need using named exports:

```
import { parse, serialize, resolve, resolveComponents, normalize, equal, removeDotSegments, pctEncChar,  
pctDecChars, escapeComponent, unescapeComponent } from "uri-js";
```

Breaking changes

Breaking changes from 3.x

URN parsing has been completely changed to better align with the specification. Scheme is now always `urn`, but has two new properties: `nid` which contains the Namespace Identifier, and `nss` which contains the Namespace Specific String. The `nss` property will be removed by higher order scheme handlers, such as the UUID URN scheme handler.

The UUID of a URN can now be found in the `uuid` property.

Breaking changes from 2.x

URI validation has been removed as it was slow, exposed a vulnerability, and was generally not useful.

Breaking changes from 1.x

The `errors` array on parsed components is now an `error` string.

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Found in path(s):

* /opt/cola/permits/1827129311_1697888429.8029048/0/garycourt-uri-js-4-2-2-0-g4f6f600-1-tar-gz/garycourt-uri-js-4f6f600/README.md

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```
/*
 * QUnit - A JavaScript Unit Testing Framework
 *
 * http://docs.jquery.com/QUnit
 *
 * Copyright (c) 2009 John Resig, Jörn Zaefferer
 * Dual licensed under the MIT (MIT-LICENSE.txt)
 * and GPL (GPL-LICENSE.txt) licenses.
 */
/**
 * jsDump
 * Copyright (c) 2008 Ariel Flesler - aflesler(at)gmail(dot)com | http://flesler.blogspot.com
 * Licensed under BSD (http://www.opensource.org/licenses/bsd-license.php)
 * Date: 5/15/2008
 * @projectDescription Advanced and extensible data dumping for Javascript.
 * @version 1.0.0
 * @author Ariel Flesler
 * @link {http://flesler.blogspot.com/2008/05/jsdump-pretty-dump-of-any-javascript.html}
 */
```

Found in path(s):

```
* /opt/cola/permits/1827129311_1697888429.8029048/0/garycourt-uri-js-4-2-2-0-g4f6f600-1-tar-gz/garycourt-uri-
js-4f6f600/tests/qunit.js
```

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```
import resolve from 'rollup-plugin-node-resolve';
import babel from 'rollup-plugin-babel';
const packageJson = require('./package.json');
```

```
export default {
  entry : "dist/esnext/index.js",
  format : "umd",
  moduleName : "URI",
  plugins: [
    resolve({
      module: true,
      jsnext: true,
      preferBuiltins: false
    }),
```

```
babel({
  "presets": [
    ["latest", {
      "es2015": {
        "modules": false
      }
    }
  ]
})
```

```

    }]
  ],
  "plugins": ["external-helpers"],
  "externalHelpers": false
}
)
],
dest : "dist/es5/uri.all.js",
sourceMap: true,
banner: "/* @license URI.js v" + packageJson.version + " (c) 2011 Gary Court. License:
http://github.com/garycourt/uri-js */"
}

```

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* /opt/cola/permits/1827129311_1697888429.8029048/0/garycourt-uri-js-4-2-2-0-g4f6f600-1-tar-gz/garycourt-uri-js-4f6f600/rollup.config.js

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```

URISchemeHandler> {
  \n\tscheme:string;\n\tparse(components:ParentComponents,
  options:Options):Components;\n\tserialize(components:Components,
  options:Options):ParentComponents;\n\tunicodeSupport?:boolean;\n\tdomainHost?:boolean;\n\tabsolutePath?:boolean;
}
\n\nexport interface URIRegExps {
  \n\tNOT_SCHEME : RegExp,\n\tNOT_USERINFO : RegExp,\n\tNOT_HOST : RegExp,\n\tNOT_PATH : RegExp,\n\tNOT_PATH_NOScheme :
  RegExp,\n\tNOT_QUERY : RegExp,\n\tNOT_FRAGMENT : RegExp,\n\tESCAPE : RegExp,\n\tUNRESERVED :
  RegExp,\n\tOTHER_CHARS : RegExp,\n\tPCT_ENCODED : RegExp,\n\tIPV4ADDRESS :
  RegExp,\n\tIPV6ADDRESS : RegExp;
}
\n\nexport const SCHEMES: {[scheme:string]:URISchemeHandler} =
{
};
\n\nexport function pctEncChar(chr:string):string {
  \n\tconst c = chr.charCodeAt(0);\n\tlet e:string;\n\tif (c < 16)
  e = \"%0\" + c.toString(16).toUpperCase();\n\telse if (c < 128) e = \"%\" + c.toString(16).toUpperCase();\n\telse if (c
  < 2048) e = \"%\" + ((c >> 6) | 192).toString(16).toUpperCase() + \"%\" + ((c & 63) |
  128).toString(16).toUpperCase();\n\telse e = \"%\" + ((c >> 12) | 224).toString(16).toUpperCase() + \"%\" + (((c >>
  6) & 63) | 128).toString(16).toUpperCase() + \"%\" + ((c & 63) | 128).toString(16).toUpperCase();\n\treturn
  e;
}
\n\nexport function pctDecChars(str:string):string {
  \n\tlet newStr = \"\";\n\tlet i
  = 0;\n\tconst il = str.length;\n\twhile (i < il) {
    \n\t\tconst c = parseInt(str.substr(i + 1, 2), 16);\n\t\tif (c < 128)
    {
      \n\t\t\tnewStr += String.fromCharCode(c);\n\t\t\ti += 3;\n\t\t}\n\t\telse if (c >= 194 && c < 224) {
        \n\t\t\tif ((il - i)
        >= 6) {
          \n\t\t\t\tconst c2 = parseInt(str.substr(i + 4, 2), 16);\n\t\t\t\tnewStr += String.fromCharCode(((c & 31) << 6) |
          (c2 & 63));\n\t\t\t\t} else {
            \n\t\t\t\tnewStr += str.substr(i, 6);\n\t\t\t\ti += 6;\n\t\t\t}\n\t\t\telse if (c >= 224) {
              \n\t\t\t\tif
              ((il - i) >= 9) {
                \n\t\t\t\t\tconst c2 = parseInt(str.substr(i + 4, 2), 16);\n\t\t\t\t\tconst c3 = parseInt(str.substr(i + 7, 2),
                16);\n\t\t\t\t\tnewStr += String.fromCharCode(((c & 15) << 12) | ((c2 & 63) << 6) | (c3 & 63));\n\t\t\t\t\t} else
                {
                  \n\t\t\t\t\tnewStr += str.substr(i, 9);\n\t\t\t\t\ti += 9;\n\t\t\t\t}\n\t\t\t\telse {
                  \n\t\t\t\t\tnewStr += str.substr(i, 3);\n\t\t\t\t\ti +=
                  3;\n\t\t\t\t}\n\t\t\t}\n\t\t}\n\t\treturn newStr;
    }
  }
}
\n\nfunction _normalizeComponentEncoding(components:URISchemeHandler,
  protocol:URIRegExps) {
  \n\tfunction
  decodeUnreserved(str:string):string {
    \n\t\tconst decStr = pctDecChars(str);\n\t\treturn
    (!decStr.match(protocol.UNRESERVED) ? str : decStr);\n\t}\n\tif (components.scheme) components.scheme =
    String(components.scheme).replace(protocol.PCT_ENCODED,
    decodeUnreserved).toLowerCase().replace(protocol.NOT_SCHEME, \"\");\n\tif (components userinfo !==
    undefined) components userinfo = String(components userinfo).replace(protocol.PCT_ENCODED,
    decodeUnreserved).replace(protocol.NOT_USERINFO, pctEncChar).replace(protocol.PCT_ENCODED,
    toUpperCase);\n\tif (components.host !== undefined) components.host =
    String(components.host).replace(protocol.PCT_ENCODED,
    decodeUnreserved).toLowerCase().replace(protocol.NOT_HOST, pctEncChar).replace(protocol.PCT_ENCODED,
    toUpperCase);\n\tif (components.path !== undefined) components.path =
    String(components.path).replace(protocol.PCT_ENCODED, decodeUnreserved).replace((components.scheme ?
    protocol.NOT_PATH : protocol.NOT_PATH_NOScheme), pctEncChar).replace(protocol.PCT_ENCODED,
    toUpperCase);\n\tif (components.query !== undefined) components.query =
    String(components.query).replace(protocol.PCT_ENCODED, decodeUnreserved).replace(protocol.NOT_QUERY,
    pctEncChar).replace(protocol.PCT_ENCODED, toUpperCase);\n\tif (components.fragment !== undefined)
    components.fragment = String(components.fragment).replace(protocol.PCT_ENCODED,
    decodeUnreserved).replace(protocol.NOT_FRAGMENT, pctEncChar).replace(protocol.PCT_ENCODED,
    toUpperCase);\n\treturn components;
}
\n\nfunction _stripLeadingZeros(str:string):string {
  \n\treturn
  str.replace(/^0*(.*)/, \"$1\");
}
\n\nfunction _normalizeIPv4(host:string, protocol:URIRegExps):string {
  \n\tconst matches = host.match(protocol.IPV4ADDRESS) || [];\n\tconst [, address] = matches;\n\tif (address)
  {
    \n\t\treturn address.split(\".\").map(_stripLeadingZeros).join(\".\");
  }
  \n\telse {
    \n\t\treturn host;
  }
}
\n\nfunction
_normalizeIPv6(host:string, protocol:URIRegExps):string {
  \n\tconst matches =
  host.match(protocol.IPV6ADDRESS)
  || [];\n\tconst [, address, zone] = matches;\n\tif (address) {
    \n\t\tconst [last, first] =
    address.toLowerCase().split(\"::\").reverse();\n\t\tconst firstFields = first ? first.split(\":\").map(_stripLeadingZeros) :
  }
}

```



```

*\nconst errors = {\n\t'overflow': 'Overflow: input needs wider integers to process',\n\t'not-basic': 'Illegal input >=
0x80 (not a basic code point)',\n\t'invalid-input': 'Invalid input'\n};\n\n/** Convenience shortcuts */\nconst
baseMinusTMin
= base - tMin;\nconst floor = Math.floor;\nconst stringFromCharCode = String.fromCharCode;\n\n/*-----
-----*/\n\n/**\n * A generic error utility function.\n * @private\n *
@param {String} type The error type.\n * @returns {Error} Throws a `RangeError` with the applicable error
message.\n */\nfunction error(type) {\n\tthrow new RangeError(errors[type]);\n}\n\n/**\n * A generic `Array#map`
utility function.\n * @private\n * @param {Array} array The array to iterate over.\n * @param {Function} callback
The function that gets called for every array\n * item.\n * @returns {Array} A new array of values returned by the
callback function.\n */\nfunction map(array, fn) {\n\tconst result = [];\n\tlet length = array.length;\n\twhile (length--
)\n\t\tresult[length] = fn(array[length]);\n\t\n\treturn result;\n}\n\n/**\n * A simple `Array#map`-like wrapper to
work with domain name strings or email\n * addresses.\n * @private\n * @param
{String} domain The domain name or email address.\n * @param {Function} callback The function that gets called
for every\n * character.\n * @returns {Array} A new string of characters returned by the callback\n * function.\n
*/\nfunction mapDomain(string, fn) {\n\tconst parts = string.split('@');\n\tlet result = '';\n\tif (parts.length > 1)
{\n\t\t// In email addresses, only the domain name should be punycode'd. Leave\n\t\t// the local part (i.e. everything
up to `@`) intact.\n\t\tresult = parts[0] + '@';\n\t\tstring = parts[1];\n\t\t\n\t\t// Avoid `split(regex)` for IE8
compatibility. See #17.\n\t\tstring = string.replace(regexSeparators, '\\x2E');\n\t\tconst labels = string.split('.');\n\t\tconst
encoded = map(labels, fn).join('.');\n\t\treturn result + encoded;\n\t}\n}\n\n/**\n * Creates an array containing the numeric
code points of each Unicode\n * character in the string. While JavaScript uses UCS-2 internally,\n * this function
will convert a pair of surrogate halves (each of which\n * UCS-2 exposes
as separate characters) into a single code point,\n * matching UTF-16.\n * @see `punycode.ucs2.encode`\n * @see
<https://mathiasbynens.be/notes/javascript-encoding>\n * @memberOf punycode.ucs2\n * @name decode\n *
@param {String} string The Unicode input string (UCS-2).\n * @returns {Array} The new array of code points.\n
*/\nfunction ucs2decode(string) {\n\tconst output = [];\n\tlet counter = 0;\n\tconst length = string.length;\n\twhile
(counter < length) {\n\t\tconst value = string.charCodeAt(counter++);\n\t\tif (value >= 0xD800 && value <=
0xDBFF && counter < length) {\n\t\t\t// It's a high surrogate, and there is a next character.\n\t\t\tconst extra =
string.charCodeAt(counter++);\n\t\t\tif ((extra & 0xFC00) == 0xDC00) { // Low
surrogate.\n\t\t\t\toutput.push(((value & 0x3FF) << 10) + (extra & 0x3FF) + 0x10000);\n\t\t\t} else {\n\t\t\t\t// It's an
unmatched surrogate; only append this code unit, in case the\n\t\t\t\t// next code unit is the high surrogate of a
surrogate pair.\n\t\t\t\toutput.push(value);\n\t\t\t\tcounter--;\n\t\t\t}\n\t\t}\n\t\telse {\n\t\t\toutput.push(value);\n\t\t}\n\t}\n\t\n\treturn output;\n}\n\n/**\n * Creates a string based on an array of
numeric code points.\n * @see `punycode.ucs2.decode`\n * @memberOf punycode.ucs2\n * @name encode\n *
@param {Array} codePoints The array of numeric code points.\n * @returns {String} The new Unicode string
(UCS-2).\n */\nconst ucs2encode = array => String.fromCodePoint(...array);\n\n/**\n * Converts a basic code point
into a digit/integer.\n * @see `digitToBasic()`\n * @private\n * @param {Number} codePoint The basic numeric
code point value.\n * @returns {Number} The numeric value of a basic code point (for use in\n * representing
integers) in the range `0` to `base - 1`, or `base` if\n * the code point does not represent a value.\n */\nconst
basicToDigit = function(codePoint) {\n\tif (codePoint - 0x30 < 0x0A) {\n\t\treturn codePoint - 0x16;\n\t}\n\t\n\tif
(codePoint - 0x41 < 0x1A) {\n\t\treturn codePoint - 0x41;\n\t}\n\t\n\tif
(codePoint - 0x61 < 0x1A) {\n\t\treturn codePoint - 0x61;\n\t}\n\t\n\treturn base;\n};\n\n/**\n * Converts a
digit/integer into a basic code point.\n * @see `basicToDigit()`\n * @private\n * @param {Number} digit The
numeric value of a basic code point.\n * @returns {Number} The basic code point whose value (when used for\n *
representing integers) is `digit`, which needs to be in the range\n * `0` to `base - 1`. If `flag` is non-zero, the
uppercase form is\n * used; else, the lowercase form is used. The behavior is undefined\n * if `flag` is non-zero and
`digit` has no uppercase form.\n */\nconst digitToBasic = function(digit, flag) {\n\t// 0..25 map to ASCII a..z or
A..Z\n\t// 26..35 map to ASCII 0..9\n\treturn digit + 22 + 75 * (digit < 26) - ((flag != 0) << 5);\n}\n\n/**\n * Bias
adaptation function as per section 3.4 of RFC 3492.\n * https://tools.ietf.org/html/rfc3492#section-3.4\n */

```



```

subexp(H16$ + "\\\\:" + "\{6}" + LS32$), // 6( h16 \:" ) ls32\n\tIPV6ADDRESS2$
= subexp(
    "\\\\:" + subexp(H16$ + "\\\\:" + "\{5}" + LS32$), //
    "\::" 5( h16 \:" ) ls32\n\tIPV6ADDRESS3$ = subexp(subexp(
        H16$) + "\?\\\\:" +
subexp(H16$ + "\\\\:" + "\{4}" + LS32$), //[ h16 ] \:" 4( h16 \:" ) ls32\n\tIPV6ADDRESS4$ =
subexp(subexp(subexp(H16$ + "\\\\:" + "\{0,1}" + H16$) + "\?\\\\:" + subexp(H16$ + "\\\\:" + "\{3}" +
LS32$), // [*1( h16 \:" ) h16 ] \:" 3( h16 \:" ) ls32\n\tIPV6ADDRESS5$ = subexp(subexp(subexp(H16$ +
"\\\\:" + "\{0,2}" + H16$) + "\?\\\\:" + subexp(H16$ + "\\\\:" + "\{2}" + LS32$), // [*2( h16 \:" ) h16 ]
\:" 2( h16 \:" ) ls32\n\tIPV6ADDRESS6$ = subexp(subexp(subexp(H16$ + "\\\\:" + "\{0,3}" + H16$) +
"\?\\\\:" + H16$ + "\\\\:" + LS32$), // [*3( h16 \:" ) h16 ] \:" h16 \:"
ls32\n\tIPV6ADDRESS7$ = subexp(subexp(subexp(H16$
+ "\\\\:" + "\{0,4}" + H16$) + "\?\\\\:" + LS32$), // [*4( h16 \:" ) h16 ] \:"
ls32\n\tIPV6ADDRESS8$ = subexp(subexp(subexp(H16$ + "\\\\:" + "\{0,5}" + H16$) + "\?\\\\:"
+ H16$), // [*5( h16 \:" ) h16 ] \:" h16\n\tIPV6ADDRESS9$ = subexp(subexp(subexp(H16$ +
"\\\\:" + "\{0,6}" + H16$) + "\?\\\\:" ), // [*6( h16 \:" ) h16 ]
\:"\n\tIPV6ADDRESS$ = subexp([IPV6ADDRESS1$, IPV6ADDRESS2$, IPV6ADDRESS3$,
IPV6ADDRESS4$, IPV6ADDRESS5$, IPV6ADDRESS6$, IPV6ADDRESS7$, IPV6ADDRESS8$,
IPV6ADDRESS9$].join("\|"),\n\tZONEID$ = subexp(subexp(UNRESERVED$$ + "\|" + PCT_ENCODED$) +
"+"), //RFC 6874\n\tIPV6ADDRZ$ = subexp(IPV6ADDRESS$ + "\\\%25" + ZONEID$), //RFC
6874\n\tIPV6ADDRZ_RELAXED$ = subexp(IPV6ADDRESS$ + subexp("\\\%25\\\\%(?!" + HEXDIG$$ +
"\{2}\)") + ZONEID$), //RFC 6874, with relaxed
parsing rules\n\tIPVFUTURE$ = subexp("[vV]" + HEXDIG$$ + "+" + "\\\." + merge(UNRESERVED$$,
SUB_DELIM$$, "\\\\:")) + "+" ,\n\tIP_LITERAL$ = subexp("\|[" + subexp(IPV6ADDRZ_RELAXED$ +
"\|" + IPV6ADDRESS$ + "\|" + IPVFUTURE$) + "\\\|")", //RFC 6874\n\tREG_NAME$ =
subexp(subexp(PCT_ENCODED$ + "\|" + merge(UNRESERVED$$, SUB_DELIM$$)) + "\*" ,\n\tHOST$ =
subexp(IP_LITERAL$ + "\|" + IPV4ADDRESS$ + "(?!" + REG_NAME$ + ")" + "\|" +
REG_NAME$),\n\tPORT$ = subexp(DIGIT$ + "\*" ,\n\tAUTHORITY$ = subexp(subexp(USERINFO$ +
"@") + "\?" + HOST$ + subexp("\\\\:" + PORT$) + "\?" ,\n\tPCHAR$ = subexp(PCT_ENCODED$ + "\|" +
merge(UNRESERVED$$, SUB_DELIM$$, "\\\\:"@)"),\n\tSEGMENT$ = subexp(PCHAR$ +
"\*" ,\n\tSEGMENT_NZ$ = subexp(PCHAR$ + "+" ,\n\tSEGMENT_NZ_NC$ =
subexp(subexp(PCT_ENCODED$ + "\|" + merge(UNRESERVED$$, SUB_DELIM$$, "\\\\:"@)")) +
"+" ,\n\tPATH_ABEMPTY$ = subexp(subexp("\|[" + SEGMENT$) + "\*" ,\n\tPATH_ABSOLUTE$
= subexp("\|[" + subexp(SEGMENT_NZ$ + PATH_ABEMPTY$) + "\?" ,
//simplified\n\tPATH_NOSCHEM$ = subexp(SEGMENT_NZ_NC$ + PATH_ABEMPTY$),
//simplified\n\tPATH_ROOTLESS$ = subexp(SEGMENT_NZ$ + PATH_ABEMPTY$),
//simplified\n\tPATH_EMPTY$ = "(?!" + PCHAR$ + ")" ,\n\tPATH$ = subexp(PATH_ABEMPTY$ + "\|" +
PATH_ABSOLUTE$ + "\|" + PATH_NOSCHEM$ + "\|" + PATH_ROOTLESS$ + "\|" +
PATH_EMPTY$),\n\tQUERY$ = subexp(subexp(PCHAR$ + "\|" + merge("\|\\\|\\\|?", IPRIVATE$)) +
"\*" ,\n\tFRAGMENT$ = subexp(subexp(PCHAR$ + "\|\\\|\\\|?") + "\*" ,\n\tHIER_PART$ =
subexp(subexp("\|\\\|\\\|" + AUTHORITY$ + PATH_ABEMPTY$) + "\|" + PATH_ABSOLUTE$ + "\|" +
PATH_ROOTLESS$ + "\|" + PATH_EMPTY$),\n\tURI$ = subexp(SCHEM$ + "\\\\:" + HIER_PART$ +
subexp("\|\\\|?" + QUERY$) + "\?" + subexp("\|\\\#" + FRAGMENT$) + "\?" ,\n\tRELATIVE_PART$ =
subexp(subexp("\|\\\|\\\|" + AUTHORITY$ + PATH_ABEMPTY$) + "\|" + PATH_ABSOLUTE$ + "\|" +
PATH_NOSCHEM$ + "\|" + PATH_EMPTY$),\n\tRELATIVES$
= subexp(RELATIVE_PART$ + subexp("\|\\\|?" + QUERY$) + "\?" + subexp("\|\\\#" + FRAGMENT$) +
"\?" ,\n\tURI_REFERENCE$ = subexp(URI$ + "\|" + RELATIVES$),\n\tABSOLUTE_URI$ =
subexp(SCHEM$ + "\\\\:" + HIER_PART$ + subexp("\|\\\|?" + QUERY$) + "\?" ,\n\tGENERIC_REF$ =
"^(" + SCHEM$ + "\\\\:" + subexp(subexp("\|\\\|\\\|/" + subexp("\|" + USERINFO$ + ")"@) + "\?" +
HOST$ + ")" + subexp("\\\\:" + PORT$ + ")" + "\?" + "\?" + PATH_ABEMPTY$ + "\|" +

```

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PATH_ABSOLUTE$ + "\" + PATH_ROOTLESS$ + "\" + PATH_EMPTY$ + "\") + subexp("\\?{" +
QUERY$ + "\}") + "\"? + subexp("\\#{" + FRAGMENT$ + "\}") + "\"?$", \n\t\tRELATIVE_REF$ = "\"^{0}" +
subexp(subexp("\\|\\|\\|/" + subexp("(" + USERINFO$ + ")@" + "\"?{" + HOST$ + "\}") + subexp("\\|\\|:" +
PORTS$ + "\}") + "\"?)" + "\"?{" + PATH_ABEMPTY$ + "\" + PATH_ABSOLUTE$ + "\" +
PATH_NOSCHEMES$ + "\" + PATH_EMPTY$ + "\}") + subexp("\\?{" + QUERY$ + "\}") + "\"? +
subexp("\\#{" + FRAGMENT$ + "\}") + "\"?$", \n\t\tABSOLUTE_REF$ = "\"^{{" + SCHEME$ + "\}|||:" +
subexp(subexp("\\|\\|\\|/" + subexp("(" + USERINFO$ + ")@" + "\"?{" + HOST$ + "\}") + subexp("\\|\\|:" +
PORTS$ + "\}") + "\"?)" + "\"?{" + PATH_ABEMPTY$ + "\" + PATH_ABSOLUTE$ + "\" +
PATH_ROOTLESS$ + "\" + PATH_EMPTY$ + "\}") + subexp("\\?{" + QUERY$ + "\}") +
\"?$", \n\t\tSAMEDOC_REF$ = "\"^{{" + subexp("\\#{" + FRAGMENT$ + "\}") +
\"?$", \n\t\tAUTHORITY_REF$ = "\"^{{" + subexp("(" + USERINFO$ + ")@" + "\"?{" + HOST$ + "\}") +
subexp("\\|\\|:" + PORTS$ + "\}") + "\"?$" \n\t;\n\t\treturn { \n\t\t\tNOT_SCHEME : new RegExp(merge("[^]",
ALPHA$$, DIGIT$$, "[\\|\\|+\\|\\|\\|\\.\\|]"), "g"), \n\t\t\tNOT_USERINFO : new RegExp(merge("[^\\|\\|%\\|\\|:]"),
UNRESERVED$$, SUB_DELIMS$$), "g"), \n\t\t\tNOT_HOST : new RegExp(merge("[^\\|\\|%\\|\\|\\|\\|\\|\\|:]"),
UNRESERVED$$, SUB_DELIMS$$), "g"), \n\t\t\tNOT_PATH : new RegExp(merge("[^\\|\\|%\\|\\|\\|\\|\\|\\|@]"),
UNRESERVED$$, SUB_DELIMS$$),
"\\g"), \n\t\t\tNOT_PATH_NOSCHEM : new RegExp(merge("[^\\|\\|%\\|\\|\\|\\|@]"), UNRESERVED$$,
SUB_DELIMS$$), "g"), \n\t\t\tNOT_QUERY : new RegExp(merge("[^\\|\\|%]", UNRESERVED$$,
SUB_DELIMS$$, "[\\|\\|\\|\\|\\|@\\|\\|\\|\\|?]", IPPRIVATE$$), "g"), \n\t\t\tNOT_FRAGMENT : new
RegExp(merge("[^\\|\\|%]", UNRESERVED$$, SUB_DELIMS$$, "[\\|\\|\\|\\|\\|@\\|\\|\\|\\|?]", "g"), \n\t\t\tESCAPE :
new RegExp(merge("[^]", UNRESERVED$$, SUB_DELIMS$$), "g"), \n\t\t\tUNRESERVED : new
RegExp(UNRESERVED$$, "g"), \n\t\t\tOTHER_CHARS : new RegExp(merge("[^\\|\\|%]", UNRESERVED$$,
RESERVED$$), "g"), \n\t\t\tPCT_ENCODED : new RegExp(PCT_ENCODED$, "g"), \n\t\t\tIPV4ADDRESS : new
RegExp("\\^({" + IPV4ADDRESS$ + "\\}$)", \n\t\t\tIPV6ADDRESS : new RegExp("\\^\\|\\|\\|?{" + IPV6ADDRESS$ +
"\}") + subexp(subexp("\\|\\|%25\\|\\|%(?!" + HEXDIG$$ + "\\{2}\\|)" + "\\(" + ZONEID$ + "\\)" + "\"?\\|\\|?;$")
//RFC 6874, with relaxed parsing rules\n\t;\n\t}\n\t\n\texport default buildExps(false);\n\t", "export function
merge(...sets:Array<string>):string
{ \n\t\t\tif (sets.length > 1) { \n\t\t\t\tsets[0] = sets[0].slice(0, -1); \n\t\t\t\tconst xl = sets.length - 1; \n\t\t\t\tfor (let x = 1; x < xl;
++x) { \n\t\t\t\t\tsets[x] = sets[x].slice(1, -1); \n\t\t\t\t\tsets[xl] = sets[xl].slice(1); \n\t\t\t\t\treturn sets.join(""); \n\t\t\t\t} else
{ \n\t\t\t\t\treturn sets[0]; \n\t\t\t\t}\n\t\t}\n\t\n\texport function subexp(str:string):string { \n\t\t\treturn \"(?:\" + str + \")\"; \n\t\t}\n\t\n\texport
function typeOf(o:any):string { \n\t\t\treturn o === undefined ? \"undefined\" : (o === null ? \"null\" :
Object.prototype.toString.call(o).split(\" \").pop().split(\" \").shift().toLowerCase()); \n\t\t}\n\t\n\texport function
toUpperCase(str:string):string { \n\t\t\treturn str.toUpperCase(); \n\t\t}\n\t\n\texport function toArray(obj:any):Array<any>
{ \n\t\t\treturn obj !== undefined && obj !== null ? (obj instanceof Array ? obj : (typeof obj.length !== \"number\" ||
obj.split || obj.setInterval || obj.call ? [obj] : Array.prototype.slice.call(obj))) : []; \n\t\t}\n\t\n\t\n\texport function
assign(target: object, source: any): any { \n\t\t\tconst obj = target as
any; \n\t\t\tif (source) { \n\t\t\t\tfor (const key in source) { \n\t\t\t\t\tobj[key] = source[key]; \n\t\t\t\t}\n\t\t\t}\n\t\t\treturn
obj; \n\t\t}\n\t\t}, \"names\": [\"SCHEMES\", \"uuid\", \"scheme\", \"urn\", \"mailto\", \"https\", \"http\", \"urnComponents\", \"nss\", \"uuidComp
onents\", \"toLowerCase\", \"options\", \"error\", \"tolerant\", \"match\", \"UUID\", \"undefined\", \"handler\", \"uriComponents\", \"path\",
\"nid\", \"schemeHandler\", \"serialize\", \"urnScheme\", \"parse\", \"matches\", \"components\", \"URN_PARSE\", \"query\", \"fields\",
\"join\", \"length\", \"push\", \"name\", \"replace\", \"PCT_ENCODED\", \"decodeUnreserved\", \"toUpperCase\", \"NOT_HFNAME\",
\"pctEncChar\", \"headers\", \"NOT_HFVALUE\", \"O\", \"mailtoComponents\", \"body\", \"subject\", \"to\", \"x\", \"localPart\", \"dom
ain\", \"iri\", \"e\", \"punycode\", \"toASCII\", \"unescapeComponent\", \"toUnicode\", \"toAddr\", \"slice\", \"atIdx\", \"NOT_LOCAL_P
ART\", \"lastIndexOf\", \"String\", \"x1\", \"toArray\", \"addr\", \"unicodeSupport\", \"split\", \"unknownHeaders\", \"hfield\", \"toAddr\",
\"hfields\", \"decStr\", \"UNRESERVED\", \"str\", \"pctDecChars\", \"RegExp\", \"merge\", \"UNRESERVED$$\", \"SOME_DELIM
S$$\", \"ATEXT$$\", \"VCHAR$$\", \"PCT_ENCODED$$\", \"QTEXT$$\", \"subexp\", \"HEXDIG$$\", \"isIRI\", \"domainHost\", \"
port\", \"host\", \"toString\", \"URI_PROTOCOL\", \"IRI_PROTOCOL\", \"ESCAPE\", \"escapeComponent\", \"uriA\", \"uriB\", \"typ
eOf\", \"equal\", \"uri\", \"normalize\", \"resolveComponents\", \"baseURI\", \"schemelessOptions\", \"relativeURI\", \"assign\", \"resol

```

ve","target","fragment","relative","base","userinfo","removeDotSegments","charAt","skipNormalization","uriToken
s","s","authority","absolutePath","reference","_recomposeAuthority","protocol","IPV6ADDRESS","test","output","
Error","input","im","RDS5","pop","RDS3","RDS2","RDS1","\$1","\$2","_normalizeIPv6","_normalizeIPv4","_","uri
String","isNaN","indexOf","parseInt","NO_MATCH_IS_UNDEFINED","URI_PARSE","newHost","zone","newFi
rst","newLast","longestZeroFields","index","b","a","allZeroFields","sort","acc","lastLongest","field","reduce","field
Count","isLastFieldIPv4Address","firstFields","lastFields","lastFieldsStart","Array","IPV4ADDRESS","last","map"
,"_stripLeadingZeros","first","address","reverse","NOT_FRAGMENT","NOT_QUERY","NOT_PATH","NOT_PA
TH_NOSCHEME","NOT_HOST","NOT_USERINFO","NOT_SCHEME","_normalizeComponentEncoding","new
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 */
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Found in path(s):

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

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h16 \":\|") ls32\n\t\tIPV6ADDRESS2$ = subexp(
\":\|:\|:\|:\|:" + subexp(H16$ + \":\|:\|:\|:"
+ \">{5}\| + LS32$), // \":\|:" 5( h16 \":\|") ls32\n\t\tIPV6ADDRESS3$ = subexp(subexp(
H16$) + \":\|:\|:\|:\|:" + subexp(H16$ + \":\|:\|:\|:" + \">{4}\| + LS32$), // h16 \":\|:"
4( h16 \":\|") ls32\n\t\tIPV6ADDRESS4$ = subexp(subexp(subexp(H16$ + \":\|:\|:\|:" + \">{0,1}\| + H16$) +
\":\|:\|:\|:\|:" + subexp(H16$ + \":\|:\|:\|:" + \">{3}\| + LS32$), // *1( h16 \":\|") h16 \":\|:" 3( h16 \":\|")
ls32\n\t\tIPV6ADDRESS5$ = subexp(subexp(subexp(H16$ + \":\|:\|:\|:" + \">{0,2}\| + H16$) + \":\|:\|:\|:\|:" +
subexp(H16$ + \":\|:\|:\|:" + \">{2}\| + LS32$), // *2( h16 \":\|") h16 \":\|:" 2( h16 \":\|") ls32\n\t\tIPV6ADDRESS6$
= subexp(subexp(subexp(H16$ + \":\|:\|:\|:" + \">{0,3}\| + H16$) + \":\|:\|:\|:\|:" + H16$ + \":\|:\|:\|:"
+ LS32$), // *3( h16 \":\|") h16 \":\|:" h16 \":\|:" ls32\n\t\tIPV6ADDRESS7$ = subexp(subexp(subexp(H16$ + \":\|:\|:\|:" +
\">{0,4}\| + H16$) + \":\|:\|:\|:\|:" + LS32$), // *4( h16 \":\|") h16 \":\|:"
ls32\n\t\tIPV6ADDRESS8$ = subexp(subexp(subexp(H16$ + \":\|:\|:\|:" + \">{0,5}\| + H16$) + \":\|:\|:\|:\|:"
+ H16$), // *5( h16 \":\|") h16 \":\|:" h16\n\t\tIPV6ADDRESS9$
= subexp(subexp(subexp(H16$ + \":\|:\|:\|:" + \">{0,6}\| + H16$) + \":\|:\|:\|:\|:"
), // *6( h16
\":\|") h16 \":\|:"\n\t\tIPV6ADDRESS$ = subexp([IPV6ADDRESS1$, IPV6ADDRESS2$, IPV6ADDRESS3$,
IPV6ADDRESS4$, IPV6ADDRESS5$, IPV6ADDRESS6$, IPV6ADDRESS7$, IPV6ADDRESS8$,
IPV6ADDRESS9$].join("\|")), \n\t\tZONEID$ = subexp(subexp(UNRESERVED$$ + \| + PCT_ENCODED$) +
\| + \|), //RFC 6874\n\t\tIPV6ADDRZ$ = subexp(IPV6ADDRESS$ + \|:\|:\|:\|25\| + ZONEID$), //RFC
6874\n\t\tIPV6ADDRZ_RELAXED$ = subexp(IPV6ADDRESS$ + subexp("\|:\|:\|:\|25\|:\|:\|:\|(\|?!" + HEXDIG$$ +
\">{2}\|)\| + ZONEID$), //RFC 6874, with relaxed parsing rules\n\t\tIPV6FUTURE$ = subexp("\|vV\| + HEXDIG$$
+ \| + \|:\|:\|:" + merge(UNRESERVED$$, SUB_DELIMSS$, \|[\|:\|:\|:\|:\|] + \| + \|), \n\t\tIP_LITERAL$ = subexp("\|[\|:\|:\|:\|]"
+ subexp(IPV6ADDRZ_RELAXED$ + \| + \| + IPV6ADDRESS$ + \| + \| + IPV6FUTURE$) + \|:\|:\|:\|), //RFC
6874\n\t\tREG_NAME$ = subexp(subexp(PCT_ENCODED$ + \| + merge(UNRESERVED$$,
SUB_DELIMSS$)) +
\|*\|), \n\t\tHOST$ = subexp(IP_LITERAL$ + \| + \| + IPV4ADDRESS$ + \|(\|?!" + REG_NAME$ + \|)" + \| + \| +
REG_NAME$), \n\t\tPORT$ = subexp(DIGIT$$ + \|*\|), \n\t\tAUTHORITY$ = subexp(subexp(USERINFO$ +
\|@\|) + \|?\| + HOST$ + subexp("\|:\|:\|:\|:" + PORT$) + \|?\|), \n\t\tPCHAR$ = subexp(PCT_ENCODED$ + \| + \| +
merge(UNRESERVED$$, SUB_DELIMSS$, \|[\|:\|:\|:\|:\|]@\|)), \n\t\tSEGMENT$ = subexp(PCHAR$ +
\|*\|), \n\t\tSEGMENT_NZ$ = subexp(PCHAR$ + \| + \|), \n\t\tSEGMENT_NZ_NC$ =
subexp(subexp(PCT_ENCODED$ + \| + \| + merge(UNRESERVED$$, SUB_DELIMSS$, \|[\|:\|:\|:\|]@\|)) +
\| + \|), \n\t\tPATH_ABEMPTY$ = subexp(subexp("\|:\|:\|:\|/" + SEGMENT$) + \|*\|), \n\t\tPATH_ABSOLUTE$ =
subexp("\|:\|:\|:\|/" + subexp(SEGMENT_NZ$ + PATH_ABEMPTY$) + \|?\|), //simplified\n\t\tPATH_NOSCHEMES
= subexp(SEGMENT_NZ_NC$ + PATH_ABEMPTY$), //simplified\n\t\tPATH_ROOTLESS$ =
subexp(SEGMENT_NZ$ + PATH_ABEMPTY$), //simplified\n\t\tPATH_EMPTY$ = \|(\|?!" + PCHAR$ +
\|)\|, \n\t\tPATH$ = subexp(PATH_ABEMPTY$ + \| + \| + PATH_ABSOLUTE$ + \| + \| + PATH_NOSCHEMES
+ \| + \| + PATH_ROOTLESS$ + \| + \| + PATH_EMPTY$), \n\t\tQUERY$ = subexp(subexp(PCHAR$ + \| + \| +
merge("\|:\|:\|:\|:\|?]", IPRIVATE$$)) + \|*\|), \n\t\tFRAGMENT$ = subexp(subexp(PCHAR$ + \|[\|:\|:\|:\|]?" +
\|*\|), \n\t\tHIER_PART$ = subexp(subexp("\|:\|:\|:\|/" + AUTHORITY$ + PATH_ABEMPTY$) + \| + \| +
PATH_ABSOLUTE$ + \| + \| + PATH_ROOTLESS$ + \| + \| + PATH_EMPTY$), \n\t\tURI$ = subexp(SCHEMES$ +
\|:\|:\|:\|:" + HIER_PART$ + subexp("\|:\|:\|:\|?" + QUERY$) + \|?\| + subexp("\|:\|:\|:\|#" + FRAGMENT$) +
\|?\|), \n\t\tRELATIVE_PART$ = subexp(subexp("\|:\|:\|:\|/" + AUTHORITY$ + PATH_ABEMPTY$) + \| + \| +
PATH_ABSOLUTE$ + \| + \| + PATH_NOSCHEMES$ + \| + \| + PATH_EMPTY$), \n\t\tRELATIVES$ =
subexp(RELATIVE_PART$ + subexp("\|:\|:\|:\|?" + QUERY$) + \|?\| + subexp("\|:\|:\|:\|#" + FRAGMENT$) +
\|?\|), \n\t\tURI_REFERENCES$ = subexp(URI$ + \| + \| + RELATIVES$), \n\t\tABSOLUTE_URI$ =
subexp(SCHEMES$ + \|:\|:\|:\|:" + HIER_PART$ + subexp("\|:\|:\|:\|?" + QUERY$) + \|?\|), \n\t\tGENERIC_REF$ =
\|^(\| + SCHEMES$ + \|)\|:\|:\|:" + subexp(subexp("\|:\|:\|:\|/" +
+ subexp("\|(\| + USERINFO$ + \|)@\|) + \|?\|(\| + HOST$ + \|)" + subexp("\|:\|:\|:\|:" + PORT$ + \|)" + \|?\|)) +
\|?\|(\| + PATH_ABEMPTY$ + \| + \| + PATH_ABSOLUTE$ + \| + \| + PATH_ROOTLESS$ + \| + \| +
PATH_EMPTY$ + \|)" + subexp("\|:\|:\|:\|?" + QUERY$ + \|)" + \|?\| + subexp("\|:\|:\|:\|#" + FRAGMENT$ + \|)"

```

```

+ \"?$\",n\t\tRELATIVE_REF$ = \"^{0}\" + subexp(subexp(\"\\\\\\\\\\\\\\\\(\" + subexp(\"(\" + USERINFO$ + \")@\\\")
+ \"?(\" + HOST$ + \")\" + subexp(\"\\\\\\\\:(\" + PORT$ + \")\" + \"?\") + \"?(\" + PATH_ABEMPTY$ + \"|\" +
PATH_ABSOLUTE$ + \"|\" + PATH_NOSCHEME$ + \"|\" + PATH_EMPTY$ + \")\" + subexp(\"\\\\\\\\?(\" +
QUERY$ + \")\" + \"?\" + subexp(\"\\\\\\\\#(\" + FRAGMENT$ + \")\" + \"?$\",n\t\tABSOLUTE_REF$ = \"^(\" +
SCHEME$ + \")\\\\\\\\:\" + subexp(subexp(\"\\\\\\\\\\\\\\\\\\\\\\\\(\" + subexp(\"(\" + USERINFO$ + \")@\\\") + \"?(\" + HOST$ +
\\\")\" + subexp(\"\\\\\\\\:(\" + PORT$ + \")\" + \"?\") + \"?(\" + PATH_ABEMPTY$ + \"|\" + PATH_ABSOLUTE$ +
\\\"|\" + PATH_ROOTLESS$ + \"|\" + PATH_EMPTY$ + \")\" + subexp(\"\\\\\\\\?(\"
+ QUERY$ + \")\" + \"?$\",n\t\tSAMEDOC_REF$ = \"^\" + subexp(\"\\\\\\\\#(\" + FRAGMENT$ + \")\" +
\\\"?\"$,n\t\tAUTHORITY_REF$ = \"^\" + subexp(\"(\" + USERINFO$ + \")@\\\") + \"?(\" + HOST$ + \")\" +
subexp(\"\\\\\\\\:(\" + PORT$ + \")\" + \"?\"$\"n\t;n\t\treturn {n\t\tNOT_SCHEME : new RegExp(merge(\"^[^]\",
ALPHA$$, DIGIT$, \"[\\\\\\\\+\\\\\\\\-\\\\\\\\.\\\\\\\\]\", \"g\"),n\t\tNOT_USERINFO : new RegExp(merge(\"^[\\\\\\\\%\\\\\\\\:|]\",
UNRESERVED$$, SUB_DELIMS$$), \"g\"),n\t\tNOT_HOST : new RegExp(merge(\"^[\\\\\\\\%\\\\\\\\[\\\\\\\\]\\\\\\\\:|]\",
UNRESERVED$$, SUB_DELIMS$$), \"g\"),n\t\tNOT_PATH : new RegExp(merge(\"^[\\\\\\\\%\\\\\\\\\\\\\\\\\\\\\\\\:|@]\",
UNRESERVED$$, SUB_DELIMS$$), \"g\"),n\t\tNOT_PATH_NOSCHEME : new
RegExp(merge(\"^[\\\\\\\\%\\\\\\\\\\\\\\\\\\\\\\\\@]\", UNRESERVED$$, SUB_DELIMS$$), \"g\"),n\t\tNOT_QUERY : new
RegExp(merge(\"^[\\\\\\\\%|]\", UNRESERVED$$, SUB_DELIMS$$, \"[\\\\\\\\:|@\\\\\\\\\\\\\\\\\\\\\\\\?|]\", IPRIVATE$$),
\\\"g\"),n\t\tNOT_FRAGMENT : new RegExp(merge(\"^[\\\\\\\\%|]\", UNRESERVED$$, SUB_DELIMS$$,
\\\"[\\\\\\\\:|@\\\\\\\\\\\\\\\\\\\\\\\\?|]\", \"g\"),n\t\tESCAPE
: new RegExp(merge(\"^[^]\", UNRESERVED$$, SUB_DELIMS$$), \"g\"),n\t\tUNRESERVED : new
RegExp(UNRESERVED$$, \"g\"),n\t\tOTHER_CHARS : new RegExp(merge(\"^[\\\\\\\\%|]\", UNRESERVED$$,
RESERVED$$), \"g\"),n\t\tPCT_ENCODED : new RegExp(PCT_ENCODED$, \"g\"),n\t\tIPV4ADDRESS : new
RegExp(\"^(\" + IPV4ADDRESS$ + \")$\",n\t\tIPV6ADDRESS : new RegExp(\"^\\\\\\\\\\\\\\\\?(\" + IPV6ADDRESS$ +
\\\")\" + subexp(subexp(\"\\\\\\\\%25\\\\\\\\%(?|\" + HEXDIG$ + \">{2})\" + \"(\" + ZONEID$ + \")\" + \"?\\\\\\\\]?$\"))
//RFC 6874, with relaxed parsing rulesn\t;n\t}\n\nexport default buildExps(false);n\n,\"use strict';n\n/** Highest
positive signed 32-bit float value *^nconst maxInt = 2147483647; // aka. 0x7FFFFFFF or 2^31-1n\n/** Bootstring
parameters *^nconst base = 36;nconst tMin = 1;nconst tMax = 26;nconst skew = 38;nconst damp = 700;nconst
initialBias = 72;nconst initialN = 128; // 0x80nconst delimiter = '-'; // \\x2Dn\n/** Regular expressions *^nconst
regexPunycode = /^xn-;/;nconst regexNonASCII
= /^[^0-\\x7E]/; // non-ASCII charsnconst regexSeparators = /[\x2E\u3002\uFF0E\uFF61]/g; // RFC 3490
separatorsn\n/** Error messages *^nconst errors = {n\t'overflow': 'Overflow: input needs wider integers to
process',n\t'not-basic': 'Illegal input >= 0x80 (not a basic code point)',n\t'invalid-input': 'Invalid input'n};n\n/**
Convenience shortcuts *^nconst baseMinusTMin = base - tMin;nconst floor = Math.floor;nconst
stringFromCharCode = String.fromCharCode;n\n/*-----
*^n\n/**n * A generic error utility function.n * @privaten * @param {String} type The error type.n * @returns
{Error} Throws a `RangeError` with the applicable error message.n *^nfunction error(type) {n\tthrow new
RangeError(errors[type]);n}n\n/**n * A generic `Array#map` utility function.n * @privaten * @param {Array}
array The array to iterate over.n * @param {Function} callback The function that gets called for every
array\n * item.n * @returns {Array} A new array of values returned by the callback function.n *^nfunction
map(array, fn) {n\tconst result = [];n\tlet length = array.length;n\twhile (length--) {n\t\tresult[length] =
fn(array[length]);n\t}n\treturn result;n}n\n/**n * A simple `Array#map`-like wrapper to work with domain name
strings or email\n * addresses.n * @privaten * @param {String} domain The domain name or email address.n *
@param {Function} callback The function that gets called for every\n * character.n * @returns {Array} A new
string of characters returned by the callback\n * function.n *^nfunction mapDomain(string, fn) {n\tconst parts =
string.split('@');n\tlet result = '';n\tif (parts.length > 1) {n\t\t// In email addresses, only the domain name should be
punycoded. Leave\n\t\t// the local part (i.e. everything up to `@`) intact.n\t\tresult = parts[0] + '@';n\t\tstring =
parts[1];n\t}n\t// Avoid `split(regex)` for IE8 compatibility. See #17.n\tstring
= string.replace(regexSeparators, '\\x2E');n\tconst labels = string.split('.');n\tconst encoded = map(labels,
fn).join('.');n\treturn result + encoded;n}n\n/**n * Creates an array containing the numeric code points of each

```

```

Unicode character in the string. While JavaScript uses UCS-2 internally, this function will convert a pair of surrogate halves (each of which UCS-2 exposes as separate characters) into a single code point, matching UTF-16. @see `punycode.ucs2.encode` @see <https://mathiasbynens.be/notes/javascript-encoding> @memberof punycode.ucs2 @name decode @param {String} string The Unicode input string (UCS-2). @returns {Array} The new array of code points.
function ucs2decode(string) {
  const output = [];
  let counter = 0;
  const length = string.length;
  while (counter < length) {
    const value = string.charCodeAt(counter++);
    if (value >= 0xD800 && value <= 0xDBFF && counter < length) { // It's a high surrogate, and there is a next character.
      const extra = string.charCodeAt(counter++);
      if ((extra & 0xFC00) == 0xDC00) { // Low surrogate.
        output.push(((value & 0x3FF) << 10) + (extra & 0x3FF) + 0x10000);
      } else { // It's an unmatched surrogate; only append this code unit, in case the next code unit is the high surrogate of a surrogate pair.
        output.push(value);
        counter--;
      }
    } else {
      output.push(value);
    }
  }
  return output;
}

Creates a string based on an array of numeric code points. @see `punycode.ucs2.decode` @memberof punycode.ucs2 @name encode @param {Array} codePoints The array of numeric code points. @returns {String} The new Unicode string (UCS-2).
const ucs2encode = array => String.fromCodePoint(...array);

Converts a basic code point into a digit/integer. @see `digitToBasic` @private @param {Number} codePoint The basic numeric code point value. @returns {Number} The numeric value of a basic code point (for use in representing integers) in the range `0` to `base - 1`, or `base` if the code point does not represent a value.
const basicToDigit = function(codePoint) {
  if (codePoint - 0x30 < 0x0A) {
    return codePoint - 0x16;
  }
  if (codePoint - 0x41 < 0x1A) {
    return codePoint - 0x41;
  }
  if (codePoint - 0x61 < 0x1A) {
    return codePoint - 0x61;
  }
  return base;
};

Converts a digit/integer into a basic code point. @see `basicToDigit` @private @param {Number} digit The numeric value of a basic code point. @returns {Number} The basic code point whose value (when used for representing integers) is `digit`, which needs to be in the range `0` to `base - 1`. If `flag` is non-zero, the uppercase form is used; else, the lowercase form is used. The behavior is undefined if `flag` is non-zero and `digit` has no uppercase form.
const digitToBasic = function(digit, flag) {
  // 0..25 map to ASCII a..z or A..Z
  // 26..35 map to ASCII 0..9
  return digit + 22 + 75 * (digit < 26) - ((flag != 0) << 5);
};

Bias adaptation function as per section 3.4 of RFC 3492.
const adapt = function(delta, numPoints, firstTime) {
  let k = 0;
  delta = firstTime ? floor(delta / damp) : delta >> 1;
  delta += floor(delta / numPoints);
  for (/* no initialization */; delta > baseMinusTMin * tMax >> 1; k += base) {
    delta = floor(delta / baseMinusTMin);
  }
  return floor(k + (baseMinusTMin + 1) * delta / (delta + skew));
};

Converts a Punycode string of ASCII-only symbols to a string of Unicode symbols. @memberof punycode @param {String} input The Punycode string of ASCII-only symbols. @returns {String} The resulting string of Unicode symbols.
const decode = function(input) {
  // Don't use UCS-2
  const output = [];
  const inputLength = input.length;
  let i = 0;
  let n = initialN;
  let bias = initialBias;

  // Handle the basic code points: let `basic` be the number of input code points before the last delimiter, or `0` if there is none, then copy the first basic code points to the output.
  let basic = input.lastIndexOf(delimiter);
  if (basic < 0) {
    basic = 0;
  }
  for (let j = 0; j < basic; ++j) {
    // if it's not a basic code point
    if (input.charCodeAt(j) >= 0x80) {
      throw('not-basic');
    }
    output.push(input.charCodeAt(j));
  }

  // Main decoding loop: start just after the last delimiter if any basic code points were copied; start at the beginning otherwise.
  for (let index = basic > 0 ? basic + 1 : 0; index < inputLength; /* no final expression */) {
    // `index` is the index of the next character to be consumed.
    // Decode a generalized variable-length integer into `delta`, which gets added to `i`. The overflow checking is easier if we increase `i` as we go, then subtract off its starting value at the end to obtain `delta`.
    let oldi = i;
    for (let w = 1, k = base; /* no condition */; k += base) {
      if (index >= inputLength) {
        throw('invalid-input');
      }
      const digit = basicToDigit(input.charCodeAt(index++));
      if (digit >= base || digit > floor((maxInt - i) / w))

```


*\n\t'version': '2.1.0',\n\t/**\n\t * An object of methods to convert from JavaScript's internal character\n\t * representation (UCS-2) to Unicode code points, and back.\n\t * @see <https://mathiasbynens.be/notes/javascript-encoding>\n\t * @memberOf punycode\n\t * @type Object\n\t * /\n\t'ucs2': {\n\t\t't'decode': ucs2decode,\n\t\t't'encode': ucs2encode\n\t},\n\t'decode': decode,\n\t'encode': encode,\n\t'toASCII': toASCII,\n\t'toUnicode': toUnicode\n};\n\nexport default punycode;\n","/**\n * URI.js\n * @fileoverview An RFC 3986 compliant, scheme extendable URI parsing/validating/resolving library for JavaScript.\n * @author Gary Court\n * @see http://github.com/garycourt/uri-js\n */\n\n/**\n * Copyright 2011 Gary Court. All rights reserved.\n * Redistribution and use in source and binary forms, with or without modification, are\n * permitted provided that the following conditions are met:\n * 1. Redistributions of source code must retain the above copyright notice, this list of\n * conditions and the following disclaimer.\n * 2. Redistributions in binary form must reproduce the above copyright notice, this list\n * of conditions and the following disclaimer in the documentation and/or other materials\n * provided with the distribution.\n * THIS SOFTWARE IS PROVIDED BY GARY COURT ``AS IS" AND ANY EXPRESS OR IMPLIED\n * WARRANTIES,

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```

import URI_PROTOCOL from './regexps-uri';
import IRI_PROTOCOL from './regexps-iri';
import punycode from './punycode';
import { toUpperCase, typeOf, assign } from './util';
export interface URISchemeHandler {
  scheme?: string;
  userinfo?: string;
  host?: string;
  port?: number | string;
  path?: string;
  query?: string;
  fragment?: string;
  reference?: string;
  error?: string;
}
export interface URIOptions {
  scheme?: string;
  reference?: string;
  tolerant?: boolean;
  absolutePath?: boolean;
  iri?: boolean;
  unicodeSupport?: boolean;
  domainHost?: boolean;
}
export interface URISchemeHandler <Components extends URISchemeHandler> {
  components: Components;
  options: Options;
  parse(components: Components, options: Options): Components;
  serialize(components: Components, options: Options): Components;
  unicodeSupport?: boolean;
  domainHost?: boolean;
  absolutePath?: boolean;
}
export interface URIRegExps {
  NOT_SCHEME : RegExp;
  NOT_HOST :
  RegExp;
  NOT_PATH : RegExp;
  NOT_PATH_NOSCHEME : RegExp;
  NOT_QUERY :
  RegExp;
  NOT_FRAGMENT : RegExp;
  ESCAPE : RegExp;
  UNRESERVED :
  RegExp;
  OTHER_CHARS : RegExp;
  PCT_ENCODED : RegExp;
  IPV4ADDRESS :
  RegExp;
  IPV6ADDRESS : RegExp;
}
export const SCHEMES: {[scheme:string]: URISchemeHandler } =
{};
export function pctEncChar(chr:string):string {
  const c = chr.charCodeAt(0);
  let e:string;
  if (c < 16) e = "%0" + c.toString(16).toUpperCase();
  else if (c < 128) e = "%" + c.toString(16).toUpperCase();
  else if (c < 2048) e = "%" + ((c >> 6) | 192).toString(16).toUpperCase() + "%" + ((c & 63) | 128).toString(16).toUpperCase();
  else e = "%" + ((c >> 12) | 224).toString(16).toUpperCase() + "%" + (((c >> 6) & 63) | 128).toString(16).toUpperCase() + "%" + ((c & 63) | 128).toString(16).toUpperCase();
  return e;
}
export function pctDecChars(str:string):string {
  let newStr = "";
  let i = 0;
  const il = str.length;
  while

```



```

/^(?:([^\|/?:#]+)?(?:\|/((?:[^\|/?:#@]*?)?(\|/([^\|/?:#])+\|/([^\|/?:#]*)(?:\|/(\|d*))?)?([^\|/?:#]*)(?:\|/([^\|/?:#]*))?(?:\|/((?:\|n\|r)*)?)?i);
const NO_MATCH_IS_UNDEFINED = (<RegExpMatchArray>("").match(/(0)/))[1]
=== undefined;
export function parse(uriString:string, options:URIOptions = {}):URIComponents {
const components:URIComponents = {};
const protocol = (options.iri !== false ? IRI_PROTOCOL :
URI_PROTOCOL);
if (options.reference === "suffix") uriString = (options.scheme ? options.scheme + "://" :
"") + "://" + uriString;
const matches = uriString.match(URI_PARSE);
if (matches) {
(NO_MATCH_IS_UNDEFINED) {
//store each component
components.scheme =
matches[1];
components.userInfo = matches[3];
components.host = matches[4];
components.port =
parseInt(matches[5], 10);
components.path = matches[6] || "";
components.query =
matches[7];
components.fragment = matches[8];
//fix port number
if (isNaN(components.port))
{
components.port = matches[5];
}
else {
//IE FIX for improper RegExp matching
//store
each component
components.scheme
= matches[1] || undefined;
components.userInfo = (uriString.indexOf("@") !== -1 ? matches[3] :
undefined);
components.host = (uriString.indexOf("/") !== -1 ? matches[4] :
undefined);
components.port = parseInt(matches[5], 10);
components.path = matches[6] ||
"";
components.query = (uriString.indexOf("?") !== -1 ? matches[7] :
undefined);
components.fragment = (uriString.indexOf("#") !== -1 ? matches[8] : undefined);
//fix
port number
if (isNaN(components.port))
{
components.port =
(uriString.match(/(?:\|/((?:[^\|/?:#@]*?)?(\|/([^\|/?:#])+\|/([^\|/?:#]*)(?:\|/(\|d*))?)?([^\|/?:#]*)(?:\|/([^\|/?:#]*))?(?:\|/((?:\|n\|r)*)?)?i)/) ? matches[4] : undefined);
}
}
//normalize IP hosts
components.host = _normalizeIPv6(_normalizeIPv4(components.host, protocol),
protocol);
//determine reference type
if (components.scheme === undefined &&
components.userInfo === undefined && components.host === undefined && components.port ===
undefined && !components.path && components.query === undefined) {
components.reference = "same-document";
}
else if (components.scheme === undefined) {
components.reference = "relative";
}
else if (components.fragment === undefined) {
components.reference = "absolute";
}
else {
components.reference = "uri";
}
//check for reference errors
if (options.reference &&
options.reference !== "suffix" && options.reference !== components.reference) {
components.error =
components.error || "URI is not a " + options.reference + " reference.";
}
//find scheme
handler
const schemeHandler = SCHEMES[(options.scheme || components.scheme ||
"").toLowerCase()];
//check if scheme can't handle IRIs
if (!options.unicodeSupport &&
(!schemeHandler || !schemeHandler.unicodeSupport)) {
//if host component is a domain name
(components.host && (options.domainHost || (schemeHandler &&
schemeHandler.domainHost))) {
//convert Unicode IDN -> ASCII IDN
try {
components.host
= punycode.toASCII(components.host.replace(protocol.PCT_ENCODED, pctDecChars).toLowerCase());
}
catch (e) {
components.error = components.error || "Host's domain name can not be converted to ASCII via
punycode: " + e;
}
}
//convert IRI -> URI
_normalizeComponentEncoding(components,
URI_PROTOCOL);
}
else {
//normalize encodings
_normalizeComponentEncoding(components,
protocol);
}
//perform scheme specific parsing
if (schemeHandler && schemeHandler.parse)
{
schemeHandler.parse(components, options);
}
else {
components.error = components.error ||
"URI can not be parsed.";
}
}
return components;
}
function
_recomposeAuthority(components:URIComponents, options:URIOptions):string|undefined {
const protocol =
(options.iri !== false ? IRI_PROTOCOL : URI_PROTOCOL);
const
uriTokens:Array<string> = [];
if (components.userInfo !== undefined)
{
uriTokens.push(components.userInfo);
}
if (components.host !==
undefined) {
//normalize IP hosts, add brackets and escape zone separator for
IPv6
uriTokens.push(_normalizeIPv6(_normalizeIPv4(String(components.host), protocol),
protocol).replace(protocol.IPV6ADDRESS, (_, $1, $2) => "[" + $1 + ($2 ? "%25" + $2 : "") + "]"));
}
if (typeof components.port === "number")

```


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1.482 color-name 1.1.3

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1.483 chalk 2.4.2

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1.484 object-assign 4.1.1

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1.485 braces 1.8.5

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1.486 ipython 7.10.2

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1.487 celery 4.3.0

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Every contribution to Celery is as important to us, as every coin in the money bin is to Scrooge McDuck.

The first commit to the Celery codebase was made on Fri Apr 24 13:30:00 2009 +0200, and has since then been improved by many contributors.

Everyone who have ever contributed to Celery should be in this list, but in a recent policy change it has been decided that everyone must add themselves here, and not be added by others, so it's currently incomplete waiting for everyone to add their names.

The list of authors added before the policy change can be found in docs/AUTHORS.txt.

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Konstantinos Koukopoulos, 2014/08/24
Albert Yee Wang, 2014/08/29
Andrea Rabbaglietti, 2014/10/02
Joe Jevnik, 2014/10/22
Nathan Van Gheem, 2014/10/28
Gino Ledesma, 2014/10/28
Thomas French,
2014/11/10
Michael Permana, 2014/11/6
William King, 2014/11/21
Bert Vanderbauwhede, 2014/12/18
John Anderson, 2014/12/27
Luke Burden, 2015/01/24
Mickal Penhard, 2015/02/15
Mark Parncutt, 2015/02/16
Samuel Jaillet, 2015/03/24
Ilya Georgievsky, 2015/03/31
Fatih Sucu, 2015/04/17
James Pulec, 2015/04/19
Alexander Lebedev, 2015/04/25
Frantisek Holop, 2015/05/21
Feanil Patel, 2015/05/21
Jocelyn Delalande, 2015/06/03
Justin Patrin, 2015/08/06
Juan Rossi, 2015/08/10
Piotr Malanka, 2015/08/24
Gerald Manipon, 2015/10/19
Krzysztof Bujniewicz, 2015/10/21
Sukrit Khera, 2015/10/26
Dave Smith, 2015/10/27
Dennis Brakhane, 2015/10/30

Chris Harris, 2015/11/27
Valentyn Klindukh, 2016/01/15
Wayne Chang, 2016/01/15
Mike Attwood, 2016/01/22
David Harrigan, 2016/02/01
Ahmet Demir, 2016/02/27
Maxime Verger, 2016/02/29
Alexander Oblovatniy, 2016/03/10
Komu Wairagu, 2016/04/03
Joe Sanford, 2016/04/11
Takeshi Kanemoto, 2016/04/22
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Anand
Reddy Pandikunta, 2016/06/18
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Alli Witheford, 2016/09/29
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Marat Sharafutdinov, 2016/11/04
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Rick Wargo, 2016/12/02
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Alejandro Pernin, 2016/12/23
Yuval Shalev, 2016/12/27
Morgan Doocy, 2017/01/02
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Ryan Hiebert, 2017/01/20
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Brian May, 2017/04/10
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Yoichi Nakayama, 2017/04/25
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Kxrr, 2017/08/18
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Federico Bond, 2018/06/20
Tom Booth, 2018/07/06
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Bruno Alla, 2018/09/27
Artem Vasilyev, 2018/11/24
Victor Mireyev, 2018/12/13
Florian Chardin, 2018/10/23
Shady Rafehi, 2019/02/20

A. HISTORY OF THE SOFTWARE

=====

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.

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
2.1.2	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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1.488 openpyxl 2.5.6

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Found in path(s):

* /opt/cola/permits/1842490855_1699427661.6513546/0/openpyxl-2-5-6-1-tar-gz/openpyxl-2.5.6/setup.py

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Metadata-Version: 1.2

Name: openpyxl

Version: 2.5.6

Summary: A Python library to read/write Excel 2010 xlsx/xlsm files

Home-page: <https://openpyxl.readthedocs.io>

Author: See AUTHORS

Author-email: charlie.clark@clark-consulting.eu

License: MIT/Expat

Description: .. image:: <https://coveralls.io/repos/bitbucket/openpyxl/openpyxl/badge.svg?branch=default>

:target: <https://coveralls.io/bitbucket/openpyxl/openpyxl?branch=default>

:alt: coverage status

Introduction

openpyxl is a Python library to read/write Excel 2010 xlsx/xlsm/xltx/xltn files.

It was born from lack of existing library to read/write natively from Python the Office Open XML format.

All kudos to the PHPEXcel team as openpyxl was initially based on PHPEXcel.

Mailing List

The user

list can be found on <http://groups.google.com/group/openpyxl-users>

Sample code::

```
from openpyxl import Workbook
wb = Workbook()
```

```
# grab the active worksheet
```

```
ws = wb.active

# Data can be assigned directly to cells
ws['A1'] = 42

# Rows can also be appended
ws.append([1, 2, 3])

# Python types will automatically be converted
import datetime
ws['A2'] = datetime.datetime.now()

# Save the file
wb.save("sample.xlsx")
```

Documentation

The documentation is at: <https://openpyxl.readthedocs.io>

- * installation methods
- * code examples
- * instructions for contributing

Release notes: <https://openpyxl.readthedocs.io/en/stable/changes.html>

Platform: UNKNOWN

Classifier:

Development Status :: 5 - Production/Stable

Classifier: Operating System :: MacOS :: MacOS X

Classifier: Operating System :: Microsoft :: Windows

Classifier: Operating System :: POSIX

Classifier: License :: OSI Approved :: MIT License

Classifier: Programming Language :: Python

Classifier: Programming Language :: Python :: 2.7

Classifier: Programming Language :: Python :: 3.4

Classifier: Programming Language :: Python :: 3.5

Classifier: Programming Language :: Python :: 3.6

Classifier: Programming Language :: Python :: 3.7

Requires-Python: >=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*

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1.489 taglib 0.12.1

1.489.1 Available under license :

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Markup License

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Markup is in the public domain.

OrderedDict License

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1.490 autobahn 18.9.1

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1.491 python-ldap 3.1.0

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1.492 sudo 1.9.13p3

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The following list of people, sorted by last name, have contributed code or patches to this implementation of sudo since I began maintaining it in 1993. This list is known to be incomplete--if you believe you should be listed, send a note to sudo@sudo.ws.

Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry

Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
Bos, Sander
Bostley, P.J.
Bowes, Keith
Boyce, Keith Garry
Brantley, Michael
Braun, Rob
Bezina, Pavel
Brooks, Piete
Brown, Jerry
Burr, Michael E
Burton, Ross
Bussjaeger, Andreas
Calvin, Gary
Campbell, Aaron
Chazelas, Stephane
Cheloha, Scott
ek, Vtzslav
Coleman, Chris
Corzine, Deven T.
Cusack, Frank
Dai, Wei
Dill, David
Earickson, Jeff
Eckhardt, Drew
Edgington, Ben
Esipovich, Marc
Espie, Marc
Faigon,
Ariel
Farrell, Brian
Fobes, Steve
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Gailly, Jean-loup
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Hieb, Dave
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Morris, Charles
Mueller, Andreas
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Peschel, Aaron
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The following people have worked to translate sudo into other languages as part of the Translation Project, see <https://translationproject.org> for more details.

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Blttermann, Mario
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The following people designed the artwork used on the sudo website:

Shield logo: Badger, Trent

Sandwich logo (inspired by xkcd): Stillman, Mark

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1.493 requests-toolbelt 0.8.0

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1.494 python-setuptools 41.4.0.post20231211

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1.495 asn1.js 2.0.19

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1.496 rowserify-rsa 4.0.1

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1.497 python-certifi 2011.11.28

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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:

<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 \$

1.498 containerd 1.2.12

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procs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>
```

```
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the Free Software Foundation; either version 2 of the License, or  
(at your option) any later version.
```

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Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
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```
Gnomovision version 69, Copyright (C) year name of author  
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute  
it  
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate
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be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

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school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program  
'Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice
```

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1.500 python-setuptools v41.4.0

1.500.1 Available under license :

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