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Text Part Number: 78EE117C99-1087975740

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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

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```
# 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

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```
# 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
```

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

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](mailto: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

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# 1.11 backbone 1.2.3

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## 1.12 syslinux 6.03

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```

The hypothetical commands

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```
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```

```
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```

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```

src/core/misc.c BSD
src/drivers/net/3c509.c BSD
src/drivers/net/3c509.h BSD
src/drivers/net/3c595.c BSD
src/drivers/net/3c595.h BSD
src/drivers/net/3c90x.c Open Source

```

src/drivers/net/epic100.c None  
src/drivers/net/epic100.h None  
src/drivers/net/ns8390.c BSD  
src/drivers/net/ns8390.h BSD  
src/arch/i386/include/bits/string.h None

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```
printf("%s",png_get_copyright(NULL));
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glennrp at users.sourceforge.net

June 26, 2010

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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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# 1.17 is-array 1.0.0

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## 1.18 backbone-computedfields 0.0.12

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```
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```

Found in path(s):

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

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

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

```
/*!
```

```
* Bootstrap Responsive v2.1.1
```

```
*
```

```
* Copyright 2012 Twitter, Inc
```

```
* Licensed under the Apache License v2.0
```

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

```
*
```

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

```
*/
```

Found in path(s):

```
* /opt/cola/permits/147231139_1695304164.8714235/0/master-179-zip/backbone-computedfields-master/examples/css/bootstrap-responsive.css
```

```
* /opt/cola/permits/147231139_1695304164.8714235/0/master-179-zip/backbone-computedfields-master/examples/css/bootstrap-responsive.min.css
```

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```
/*!
```

```
* mocha
```

```
* Copyright(c) 2011 TJ Holowaychuk <tj@vision-media.ca>
```

```
* MIT Licensed
```

```
*/
```

Found in path(s):

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

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```
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```

Found in path(s):

\* /opt/cola/permits/147231139\_1695304164.8714235/0/master-179-zip/backbone-computedfields-master/Gruntfile.js

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## 1.20 inflight 1.0.6

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## 1.24 cookies 2.2.1

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Found in path(s):

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

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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](mailto: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

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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.

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

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\* /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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-----

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- \* Test coverage at 100%, with a much more comprehensive test suite than Cookie.py
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- \* Cleaner, less surprising API::

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>>> # 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...
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>>> # Look at the atrocious way I render out a request header:
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'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/renderers",
 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

## 1.25 django-bulk-update 1.1.10

### 1.25.1 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](mailto: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 (`dummy_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 dmy_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/HoverHell)
- [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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\* /opt/cola/permits/148344584\_1695307979.0263047/0/django-bulk-update-1-1-10-tar-gz/django-bulk-update-1.1.10/setup.py



# 1.26 websocket-client 0.40.0

## 1.26.1 Available under license :

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Version 2.1, February 1999

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## 1.43 xlrd 1.1.0

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Metadata-Version: 1.1

Name: xlrd

Version: 1.1.0

Summary: Library for developers to extract data from Microsoft Excel (tm) spreadsheet files

Home-page: <http://www.python-excel.org/>

Author: John Machin

Author-email: [sjmachin@lexicon.net](mailto:sjmachin@lexicon.net)

License: BSD

Description: Extract data from Excel spreadsheets (.xls and .xlsx, versions 2.0 onwards) on any platform. Pure Python (2.7, 3.4+). Strong support for Excel dates. Unicode-aware.

Keywords: xls,excel,spreadsheet,workbook



Platform: Any platform -- don't need Windows  
Classifier: Development Status :: 5 - Production/Stable  
Classifier: Intended Audience :: Developers  
Classifier: License :: OSI Approved :: BSD License  
Classifier: Programming Language :: Python  
Classifier: Programming Language :: Python :: 2  
Classifier: Programming Language :: Python :: 2.7  
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\* /opt/cola/permits/162035862\_1695312424.300582/0/xlrd-1-1-0-tar-gz/xlrd-1.1.0/xlrd/\_\_init\_\_.py

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/opt/cola/permits/162035862\_1695312424.300582/0/xlrd-1-1-0-tar-gz/xlrd-1.1.0/tests/test\_comments\_excel\_sheet2.xlsx: binary file matches

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## 1.70 punycode 1.4.1

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## 1.92 graceful-fs 4.1.11

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## 1.96 for-in 1.0.2

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## 1.99 dcron 4.5

## 1.100 rfc3987 1.3.7

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## 1.102 ifupdown 0.8.16

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## 1.177 moment 2.19.1

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## 1.181 process-nextick-args 2.0.0

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# 1.185 coverage 4.3.4

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Other contributions, including writing code, updating docs, and submitting useful bug reports, have been made by:

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```
* /opt/cola/permits/178631363_1695329442.7059288/0/isodate-0-6-0-tar-gz/isodate-0.6.0/src/isodate/isostrf.py
* /opt/cola/permits/178631363_1695329442.7059288/0/isodate-0-6-0-tar-gz/isodate-
0.6.0/src/isodate/tests/test_strf.py
* /opt/cola/permits/178631363_1695329442.7059288/0/isodate-0-6-0-tar-gz/isodate-0.6.0/setup.py
* /opt/cola/permits/178631363_1695329442.7059288/0/isodate-0-6-0-tar-gz/isodate-0.6.0/src/isodate/__init__.py
*
/opt/cola/permits/178631363_1695329442.7059288/0/isodate-0-6-0-tar-gz/isodate-0.6.0/src/isodate/isodates.py
* /opt/cola/permits/178631363_1695329442.7059288/0/isodate-0-6-0-tar-gz/isodate-0.6.0/src/isodate/duration.py
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* /opt/cola/permits/178631363_1695329442.7059288/0/isodate-0-6-0-tar-gz/isodate-0.6.0/src/isodate/isoerror.py
* /opt/cola/permits/178631363_1695329442.7059288/0/isodate-0-6-0-tar-gz/isodate/isotzinfo.py
* /opt/cola/permits/178631363_1695329442.7059288/0/isodate-0-6-0-tar-gz/isodate-
0.6.0/src/isodate/tests/test_duration.py
* /opt/cola/permits/178631363_1695329442.7059288/0/isodate-0-6-0-tar-gz/isodate-
```

0.6.0/src/isodate/tests/test\_time.py

\*

/opt/cola/permits/178631363\_1695329442.7059288/0/isodate-0-6-0-tar-gz/isodate-0.6.0/src/isodate/isoduration.py

\* /opt/cola/permits/178631363\_1695329442.7059288/0/isodate-0-6-0-tar-gz/isodate-0.6.0/src/isodate/tests/test\_date.py

\* /opt/cola/permits/178631363\_1695329442.7059288/0/isodate-0-6-0-tar-gz/isodate-0.6.0/src/isodate/tests/test\_datetime.py

\* /opt/cola/permits/178631363\_1695329442.7059288/0/isodate-0-6-0-tar-gz/isodate-0.6.0/src/isodate/tests/\_\_init\_\_.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](mailto: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>

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:alt: License

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 verse.
  - support other separators between date and time than "T"
  
- \* `parse_date`:
  - yeardigits should 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

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Classifier: Operating System :: OS Independent

Classifier:

Programming Language :: Python

Classifier: Programming Language :: Python :: 2.6

Classifier: Programming Language :: Python :: 2.7

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Classifier: Programming Language :: Python :: 3.4

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Classifier: Programming Language :: Python :: 3.6

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\* /opt/cola/permits/178631363\_1695329442.7059288/0/isodate-0-6-0-tar-gz/isodate-0.6.0/src/isodate.egg-info/PKG-INFO

\* /opt/cola/permits/178631363\_1695329442.7059288/0/isodate-0-6-0-tar-gz/isodate-0.6.0/PKG-INFO

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## 1.192 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](mailto: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/>>`.

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

AutobahnPython beginning with version 0.6 automatically uses WSAccell 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

# 1.193 diff-match-patch 20121119

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

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Found in path(s):

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

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

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* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-
tgz/package/src/minified/plugins/EndArrayPlugin.min.js
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/EndArrayPlugin.js
3b6db5483fda1df1d0ff00fbc41a47d7
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* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/DirectionalRotationPlugin.js
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-
tgz/package/src/uncompressed/plugins/DirectionalRotationPlugin.js
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-
tgz/package/src/minified/plugins/DirectionalRotationPlugin.min.js
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```

```
/*!
* VERSION: 0.16.0
* DATE: 2017-10-02
* UPDATES AND DOCS AT: http://greensock.com
*
* 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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```

Found in path(s):

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

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```
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-
tgz/package/src/uncompressed/easing/EasePack.js
* /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-
tgz/package/src/minified/easing/EasePack.min.js
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Found in path(s):

```
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-
tgz/package/src/minified/plugins/RoundPropsPlugin.min.js
* /opt/cola/permits/178644340_1695329513.9393091/0/gsap-1-20-3-tgz/package/RoundPropsPlugin.js
* /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/minified/plugins/RaphaelPlugin.min.js  
\* /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/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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```
/*!
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* DATE: 2017-01-17
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*
* 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):  
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\* /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
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*
* 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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\* /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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\* /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

## 1.206 netns

2c9454e4fc6e2edc1a1c84e64ed3d6e662fb699

# 1

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## 1.207 netlink

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### 3

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## 1.209 gojonschema

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## 1.210 safe-buffer 5.1.2

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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.)

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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.

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section 10

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## 1.238 jdcal 1.4

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## 1.239 django-auth-ldap 1.7.0

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## 1.246 aioredis 1.1.0

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"""

```
from __future__ import division, absolute_import
```

```
__all__ = ['copyright', 'disclaimer', 'longversion', 'version']
```

```
from twisted import __version__ as version, version as longversion
```

```
longversion = str(longversion)
```

```
copyright="""\
```

```
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```

```
See LICENSE for details."""
```

```
disclaimer=""
```

```
Twisted, the Framework of Your Internet
```

```
%s
```

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```

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## 1.256 elliptic 6.4.1

# 1.257 browserify-des 1.0.2

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# 1.258 punycode 2.1.1

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## 1.259 idna 2.8

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## 1.260 pynacl 1.3.0

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## 1.261 plotly-js-basic-dist 1.44.1

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## 1.262 flatpickr 4.5.2

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## 1.263 django 2.1.4

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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.

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

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

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

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1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
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2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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# 1.264 responses 0.10.5

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# 1.266 urllib3 1.24.2

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\* 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

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\* Bugfixes, suggestions, Requests integration

\* georgemarshall <<https://github.com/georgemarshall>>

\* Bugfixes, Improvements and Test

coverage

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- \* IPv6 url support and test coverage
  
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- \* 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](mailto:jayvdb@gmail.com)>
- \* Python 2.6 fixes; pyflakes and pep8 compliance
  
- \* Andy Caldwell <[andy.m.caldwell@gmail.com](mailto:andy.m.caldwell@gmail.com)>
- \* Bugfix related to reusing connections in indeterminate states.
  
- \* Ville Skytt <[ville.skytta@iki.fi](mailto:ville.skytta@iki.fi)>
- \* Logging efficiency improvements, spelling fixes, Travis config.
  
- \* Shige Takeda <[smtakeda@gmail.com](mailto:smtakeda@gmail.com)>
- \* Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response
  
- \* Jesse Shapiro <[jesse@jesseshapiro.net](mailto: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](mailto:jeremy@jcline.org)>
- \* Added connection pool keys by scheme
  
- \* Aviv Palivoda <[palaviv@gmail.com](mailto:palaviv@gmail.com)>
- \* History list to Retry object.
- \* HTTPResponse contains the last Retry object.
  
- \* Nate Prewitt <[nate.prewitt@gmail.com](mailto: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](mailto:sethmichaellarson@protonmail.com)>
- \* Created selectors backport that supports PEP 475.
  
- \* Alexandre Dias <[alex.dias@smarkets.com](mailto:alex.dias@smarkets.com)>
- \* Don't retry on timeout if method not in whitelist
  
- \* Moinuddin Quadri <[moin18@gmail.com](mailto: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]

## 1.267 jquery 3.4.1

## 1.268 paramiko 2.6.0

## 1.269 coreutils 8.31

## 1.270 webpack-jquery-ui 2.0.1

## 1.271 bzip2 1.0.8

## 1.272 iptables 1.8.3

## 1.273 open-ldap 2.4.48

# 1.274 select2 4.0.8

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# 1.275 sqlite 3.30.1

# 1.276 python3-asn1crypto 1.2.0

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## 1.277 mpdecimal 2.4.2

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## 1.279 net-tools 2.10

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## 1.280 libvmtools 10.3.5.7752

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this

License.

Section 6 states terms for distribution of such executables.

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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a) 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.)

- 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.
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>>> freebsd-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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## 1.283 popt 1.16

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## 1.284 pyparsing 2.4.2

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# 1.285 packaging 19.1

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## 1.286 urllib3 1.25.6

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\* 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

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- \* 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.
  
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- \* 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

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- \* 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](mailto:jayvdb@gmail.com)>
- \* Python 2.6 fixes; pyflakes and pep8 compliance
  
- \* Andy Caldwell <[andy.m.caldwell@gmail.com](mailto:andy.m.caldwell@gmail.com)>
- \* Bugfix related to reusing connections in indeterminate states.
  
- \* Ville Skytt <[ville.skytta@iki.fi](mailto:ville.skytta@iki.fi)>
- \* Logging efficiency improvements, spelling fixes, Travis config.
  
- \* Shige Takeda <[smtakeda@gmail.com](mailto:smtakeda@gmail.com)>
- \* Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response
  
- \* Jess Shapiro <[jesse@jesseshapiro.net](mailto: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](mailto:jeremy@jcline.org)>
- \* Added connection pool keys by scheme
  
- \* Aviv Palivoda <[palaviv@gmail.com](mailto:palaviv@gmail.com)>
- \* History list to Retry object.
- \* HTTPResponse contains the last Retry object.
  
- \* Nate Prewitt <[nate.prewitt@gmail.com](mailto: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](mailto:sethmichaellarson@protonmail.com)>
- \* Created selectors backport that supports PEP 475.
  
- \* Alexandre Dias <[alex.dias@smarkets.com](mailto:alex.dias@smarkets.com)>
- \* Don't retry on timeout if method not in whitelist
  
- \* Moinuddin Quadri <[moin18@gmail.com](mailto: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](mailto: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]

## 1.287 jsonref 0.2

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# 1.288 attrs 19.3.0

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## 1.290 cffi 1.13.1

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# The original version for gzip was written by Paul Eggert.

# Modified for XZ Utils by Andrew Dudman and Lasse Collin.

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## 1.292 prodps 3.3.15

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## 1.293 python-setuptools 40.2.0

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```
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## 1.309 libyami 0.2.2

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## 1.310 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.

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\* 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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vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2  
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 <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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 </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="$isc.copyright.breakline"/>
 <xsl:text>
</xsl:text>
 </xsl:for-each>
 <xsl:value-of select="$isc.copyright.text"/>
 </xsl:with-param>
 </xsl:call-template>
</xsl:variable>
</xsl:stylesheet>

```

<!--

- Local variables:
- mode: sgml
- End:

-->

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Files: lib/compat/md5.\*

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## 1.333 text-encoding-shim 1.0.4

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## 1.335 util-linux 2.35.1

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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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## 1.338 simplegeneric 0.8.1

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## 1.339 python 3.8.2

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, 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.

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		
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If you develop a new program, and you want it to be of the greatest  
possible use to the public, the best way to achieve this is to make it  
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest  
to attach them to the start of each source file to most effectively  
convey the exclusion of warranty; and each file should have at least  
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) 19yy <name of author>

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it under the terms of the GNU General Public License as published by  
the Free  
Software Foundation; either version 2 of the License, or  
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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 when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) 19yy 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 parts of the General Public License. Of course, the commands you use may be called something other than ``show w'` and ``show c'`; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your 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
```

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

The "Artistic License"

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute

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d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable

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b) accompany the distribution with the machine-readable source of the Package with your modifications.

c) give non-standard executables non-standard names, and clearly document the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

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The End

## 1.342 glibc 2.30

### 1.342.1 Available under license :

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@center Version 2.1, February 1999

@c This file is intended to be included within another document,

@c hence no sectioning command or @node.

@display

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The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a ``work based on the library" and a ``work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

## @subheading TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

@enumerate 0

@item

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@item

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@item

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If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(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.)

@end enumerate

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@item

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@item

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@item

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@item

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@item

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@item

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@item

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@end enumerate

@subheading END OF TERMS AND CONDITIONS

@page

@subheading How to Apply These Terms to Your New Libraries

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@smallexample

@var{one line to give the library's name and an idea of what it does.}

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@end  
smallexample

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`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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Version 2, June 1991

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## 1.343 log-rotate 3.15.1

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The original code is FirewallControl.pas, released April 16, 2007.

The initial developer of the original code is Rainer Budde (<http://www.speed-soft.de>).

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```

<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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 </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:for-each>
 </xsl:with-param>
 </xsl:call-template>
 </xsl:variable>

```

```
<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:  
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Jean-loup Gailly      Mark Adler  
jloup@gzip.org      madler@alumni.caltech.edu

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, please 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, Vtislav  
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  
Frysinger, Mike  
G., Daniel Richard  
Gailly, Jean-loup  
Gelman, Stephen  
Gerraty, Simon J.  
Graber, Stephane  
Guillory, B.  
Hayman, Randy M.  
Henke, Joachim  
Hideaki, Yoshifuji  
Hieb, Dave

Holloway, Nick  
Hoover, Adam  
Hunter, Michael T.  
Hutchings, Ben  
Irrgang, Eric  
Jackson, Brian  
Jackson, John R.  
Jackson, Richard L., Jr.  
Janssen, Mark  
Jepeway, Chris  
Jorge, Joel Pele  
Jover, Guillem  
Juhani, Timo  
Kikuchi, Ayamura  
Kadow, Kevin  
Kasal, Stepan  
Kienenberger, Mike  
King, Dale  
King, Michael  
Klyachkin, Andrey  
Knoble, Jim  
Knox, Tim  
Komarnitsky, Alek O.  
Kondrashov, Nikolai  
Kopeek, Daniel  
Kranenburg, Paul  
Krause, David  
Lakin, Eric  
Larsen, Case  
Levin, Dmitry V.  
Libby, Kendall  
Lobbes, Phillip E.  
McIntyre, Jason  
MacKenzie, David J.  
McLaughlin, Tom  
Makey, Jeff  
Mallayya, Sangamesh  
Marchionna, Michael D.  
Markham, Paul  
Martinian, Emin  
Meskes, Michael  
Michael, David  
Miller, Todd C.  
Minier, Loc  
Moffat, Darren  
Moldung, Jan Thomas  
Morris, Charles  
Mueller, Andreas



Mller, Dworkin  
Nieusma, Jeff  
Nikitser, Peter A.  
Nussel, Ludwig  
Ouellet, Jean-Philippe  
Paquet, Eric  
Paradis, Chantal  
Pasteleurs, Frederic  
Percival, Ted  
Perera, Andres  
Peron, Christian S.J.  
Peschel, Aaron  
Peslyak, Alexander  
Peterson, Toby  
Petten, Diego Elio  
Pickett, Joel  
Plotnick, Alex  
de Raadt, Theo  
Rasch, Gudleik  
Reid, Steve  
Richards, Matt  
Rossum, Guido van  
Rouillard, John P.  
Rowe, William A., Jr.  
Roy, Alain  
Ruusame, Elan  
Ryabinkin, Eygene  
Sato, Yuichi  
Snchez, Wilfredo  
Sanders, Miguel  
Sasaki, Kan  
Saucier, Jean-Francois  
Schoenfeld, Patrick  
Schuring, Arno  
Schwarze, Ingo  
Scott, Dougal  
Sieger, Nick  
Simon, Thor Lancelot  
Slemko, Marc  
Smith, Andy  
Sobrado, Igor  
Soulen, Steven  
Spangler, Aaron  
Spradling, Cloyce D.  
Spradling, Michael  
Stier, Matthew  
Stoeckmann, Tobias  
Street, Russell

Stritzky, Tilo  
Stroucken, Michael  
Tarrall, Robert  
Thomas, Matthew  
Todd, Giles  
Toft, Martin  
Torek, Chris  
Tucker, Darren  
Uhl, Robert  
Uzel, Petr  
Valery, Reznic  
Van Dinter, Theo  
Venckus, Martynas  
de Vries, Maarten  
Wagner, Klaus  
Walsh, Dan  
Warburton, John  
Webb, Kirk  
Wetzel, Timm  
Wieringen, Marco van  
Wilk, Jakub  
Winiger, Gary  
Wood, David  
Zacarias, Gustavo  
Zolnowsky, John

The following people have worked to translate sudo into other languages as part of the Translation Project, see <https://translationproject.org> for more details.

Albuquerque, Pedro  
Blttermann, Mario  
Bogusz, Jakub  
Buo-ren, Lin  
Casagrande, Milo  
Castro, Felipe  
Cho, Seong-ho  
Chornoivan, Yuri  
Diguez,  
Francisco  
Fontenelle, Rafael  
Garca-Fontes, Walter  
Gezer, Volkan  
Hamasaki, Takeshi  
Hamming, Peter  
Hansen, Joe  
Hantrais, Frdric  
Hein, Jochen

Hufthammer, Karl Ove  
Jerovek, Damir  
Karvonen, Jorma  
Kazik, Duan  
Kelemen, Gbor  
Keeci, Mehmet  
Koir, Klemen  
Kozlov, Yuri  
Kramer, Jakob  
Krznar, Tomislav  
Marchal, Frdric  
Margeviius, Algimantas  
Maryanov, Pavel  
Nikoli, Miroslav  
Nylander, Daniel  
Psa, Petr  
Puente, Enol  
Putanec, Boidar  
Qun, Trn Ngc  
Rasmussen, Sebastian  
Regueiro, Leandro  
Sarar, zgr  
Sendn, Abel  
Sikrom, ka  
Spingos, Dimitris  
Taniguchi, Yasuaki  
Tomat, Fbio  
r, Balzs  
Uranga, Mikel Olasagasti  
Vorotnikov, Artem  
Wang, Wylmer

## 1.347 redis 5.0.7

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## 1.348 libnettle6 3.5.1

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 */
```

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pycparser -- A C parser in Python

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Found in path(s):

- \* /opt/ws\_local/PERMITS\_SQL/1063244945\_1592966586.95/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/PKG-INFO
- \* /opt/ws\_local/PERMITS\_SQL/1063244945\_1592966586.95/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1.egg-info/PKG-INFO

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- \* /opt/ws\_local/PERMITS\_SQL/1063244945\_1592966586.95/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/type/test\_tag.py
- \* /opt/ws\_local/PERMITS\_SQL/1063244945\_1592966586.95/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/compat/test\_octets.py
- \* /opt/ws\_local/PERMITS\_SQL/1063244945\_1592966586.95/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/type/test\_char.py
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- \*

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\* /opt/ws\_local/PERMITS\_SQL/1063244945\_1592966586.95/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/error.py  
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\* /opt/ws\_local/PERMITS\_SQL/1063244945\_1592966586.95/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/type/test\_useful.py  
\* /opt/ws\_local/PERMITS\_SQL/1063244945\_1592966586.95/0/pyasn1-0-4-4-1-tar-gz/pyasn1-

```
0.4.4/tests/__main__.py
* /opt/ws_local/PERMITS_SQL/1063244945_1592966586.95/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
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* /opt/ws_local/PERMITS_SQL/1063244945_1592966586.95/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
0.4.4/tests/test_debug.py
* /opt/ws_local/PERMITS_SQL/1063244945_1592966586.95/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
0.4.4/tests/compat/__main__.py
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```

.. \_license:

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=====

.. include:: ../../LICENSE.rst

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```
* /opt/ws_local/PERMITS_SQL/1063244945_1592966586.95/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
0.4.4/docs/source/license.rst
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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/)
[!Build status](https://travis-ci.org/etingof/pyasn1.svg?branch=master)(https://secure.travis-ci.org/etingof/pyasn1)
[!Coverage
Status](https://img.shields.io/codecov/c/github/etingof/pyasn1.svg)(https://codecov.io/github/etingof/pyasn1)
[!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 [AsnLate](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)
0000: 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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Abstract Syntax Notation One (ASN.1

[http://en.wikipedia.org/wiki/Abstract\\_Syntax\\_Notation\\_1](http://en.wikipedia.org/wiki/Abstract_Syntax_Notation_1)) 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 became 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

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Use case

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Download & Install

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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.

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Getting help

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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>>`\_`  
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`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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## 1.355 djangorestframework 3.8.2

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58. [62]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
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## References

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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,

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source code for the Library including whatever

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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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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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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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## 1.382 libseccomp 2.4.1

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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.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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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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a) 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

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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.
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## 1.383 linux-headers 4.19.107

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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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# 1.384 linux-kernel 5.4.23

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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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\* Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.  
\*  
\* M. Welsh, 6 July 1996  
\*  
\*  
\*/

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## 1.385 Ixml 4.4.1

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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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>>> freebsd-base64-4.8

>>> unicode-5.0

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>>> freebsd-base64-4.8

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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## 1.389 parso 0.5.2

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team.

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Release	Derived from	Year	Owner	GPL-compatible? (1)
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes

2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1.1	2010	PSF	yes
3.1.3	3.1.2	2010	PSF	yes
3.1.4	3.1.3	2011	PSF	yes
3.2	3.1	2011	PSF	yes
3.2.1	3.2	2011	PSF	yes
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3.3	3.2			
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In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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	from			compatible? (1)
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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
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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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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## 1.393 pyasn1 0.4.7

### 1.393.1 Available under license :

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ASN.1 library for Python

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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

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\*

- 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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* /opt/cola/permits/1101288617_1603190693.87/0/etingof-pyasn1-v0-4-7-0-g771aa24-tar-gz/etingof-pyasn1-771aa24/tests/codec/native/__main__.py
* /opt/cola/permits/1101288617_1603190693.87/0/etingof-pyasn1-v0-4-7-0-g771aa24-tar-gz/etingof-pyasn1-771aa24/tests/type/test_opentype.py
* /opt/cola/permits/1101288617_1603190693.87/0/etingof-pyasn1-v0-4-7-0-g771aa24-tar-gz/etingof-pyasn1-771aa24/pyasn1/type/opentype.py
* /opt/cola/permits/1101288617_1603190693.87/0/etingof-pyasn1-v0-4-7-0-g771aa24-tar-gz/etingof-pyasn1-771aa24/pyasn1/codec/ber/eoo.py
* /opt/cola/permits/1101288617_1603190693.87/0/etingof-pyasn1-v0-4-7-0-g771aa24-tar-gz/etingof-pyasn1-771aa24/pyasn1/type/constraint.py
* /opt/cola/permits/1101288617_1603190693.87/0/etingof-pyasn1-v0-4-7-0-g771aa24-tar-gz/etingof-pyasn1-771aa24/tests/codec/ber/test_decoder.py

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ASN.1 library for Python

=====

```
.. toctree::  
    :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::  
    :maxdepth: 1
```

/changelog

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```
.. toctree::  
    :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/cola/permits/1101288617_1603190693.87/0/etingof-pyasn1-v0-4-7-0-g771aa24-tar-gz/etingof-pyasn1-771aa24/docs/source/contents.rst`

1.394 python-blessed 1.17.5

1.394.1 Available under license :

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1.395 python-cached-property 1.4.3

1.395.1 Available under license :

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1.396 python-certifi 2019.9.11

1.396.1 Available under license :

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

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

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:
<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>
It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php_curl, or with an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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

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

1.397 python-requests 2.21.0

1.397.1 Available under license :

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1.398 python-setuptools 41.4.0

1.398.1 Available under license :

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1.399 rsyslog 8.2006.0-r1

1.399.1 Available under license :

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Version 3, 29 June 2007

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

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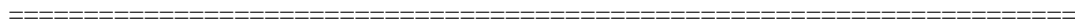
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package licensing

```
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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<https://github.com/golang/protobuf>

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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))
    }
}

```

1.405 docker-proxy

55685ba49593e67f5e1c8180539379b16736c25

e

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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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1.406 docker-engine 19.03.5

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Data model artifacts for Prometheus.

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1.411 libfastjson 0.99.8

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1.412 runc 1.0.0-rc10

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1.413 setuptools-scm 3.3.3

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```

1.416 fast-deep-equal 2.0.1

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1.418 source-map 0.6.1

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1.419 postcss-modules-extract-imports 1.2.1

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1.420 loader-utils 1.2.3

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1.421 nan 2.14.0

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1.422 has-flag 3.0.0

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1.423 uri-js 4.2.2

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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://exampl.org/ros")) === "http://xn--exampl-gva.org/ros%C3%A9"
```

//convert URI to IRI

```
URI.serialize(URI.parse("http://xn--exampl-gva.org/ros%C3%A9"), {iri:true}) === "http://exampl.org/ros"
```

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 Extendable

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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```

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

/*

* QUnit - A JavaScript Unit Testing Framework

*

* <http://docs.jquery.com/QUnit>

*

* Copyright (c) 2009 John Resig, Jörn Zaefferer

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*/

/**

* 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):

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/** @license URI.js v4.2.1 (c) 2011 Gary Court. License: <http://github.com/garycourt/uri-js> */

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* /opt/cola/permits/1110634955_1606918997.92/0/garycourt-uri-js-4-2-2-0-g4f6f600-1-tar-gz/garycourt-uri-js-4f6f600/src/uri.ts

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/** @license URI.js v4.2.1 (c) 2011 Gary Court. License: <http://github.com/garycourt/uri-js> */

Found in path(s):

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

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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$), //RFC 6874, with relaxed parsing rules\n\tIPV6FUTURE$ = subexp("[vV]" + HEXDIG$
+ "+|:" + merge(UNRESERVED$, SUB_DELIMS$, "\\|:]") + "+"), \n\tIP_LITERAL$ = subexp("\\|["
+ subexp(IPV6ADDRZ_RELAXED$ + "\|" + IPV6ADDRESS$ + "\|" + IPV6FUTURE$) + "\\|]", //RFC
6874\n\tREG_NAME$ = subexp(subexp(PCT_ENCODED$ + "\|" + merge(UNRESERVED$,
SUB_DELIMS$)) +
\*" ), \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$, SUB_DELIMS$, "\\|:]@]")), \n\tSEGMENT$ = subexp(PCHAR$ +
\*" ), \n\tSEGMENT_NZ$ = subexp(PCHAR$ + "+" ), \n\tSEGMENT_NZ_NC$ =
subexp(subexp(PCT_ENCODED$ + "\|" + merge(UNRESERVED$, SUB_DELIMS$, "\\|:]@]")) +
"+"), \n\tPATH_ABEMPTY$ = subexp(subexp("\\|/" + SEGMENT$) + \*" ), \n\tPATH_ABSOLUTE$ =
subexp("\\|/" + subexp(SEGMENT_NZ$ + PATH_ABEMPTY$) + "?"), //simplified\n\tPATH_NOSCHEMES$
= 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_NOSCHEMES$
+ "\|" + 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(SCHEMES$ +
\\|:" + HIER_PART$ + subexp("\\|?" + QUERY$) + "?" + subexp("\\|#" + FRAGMENT$) +
"?"), \n\tRELATIVE_PART$ = subexp(subexp("\\|\\|/" + AUTHORITY$ + PATH_ABEMPTY$) + "\|" +
PATH_ABSOLUTE$ + "\|" + PATH_NOSCHEMES$ + "\|" + PATH_EMPTY$), \n\tRELATIVES$ =
subexp(RELATIVE_PART$ + subexp("\\|?" + QUERY$) + "?" + subexp("\\|#" + FRAGMENT$) +
"?"), \n\tURI_REFERENCE$ = subexp(URI$ + "\|" + RELATIVES$), \n\tABSOLUTE_URI$ =
subexp(SCHEMES$ + "\\|:" + HIER_PART$ + subexp("\\|?" + QUERY$) + "?" ), \n\n\tGENERIC_REF$ =
"^(" + SCHEMES$ + "\\|:" + subexp(subexp("\\|\\|/" +
+ subexp("\\(" + USERINFO$ + ")@") + "?(" + HOST$ + ")") + subexp("\\|:" + PORT$ + ")") + "?" ) +
"?(" + PATH_ABEMPTY$ + "\|" + PATH_ABSOLUTE$ + "\|" + PATH_ROOTLESS$ + "\|" +
PATH_EMPTY$ + ")") + subexp("\\|?" + QUERY$ + ")") + "?" + subexp("\\|#(" + FRAGMENT$ + ")")
+ "?$)", \n\tRELATIVE_REF$ = "^{0}" + subexp(subexp("\\|\\|/" + subexp("\\(" + USERINFO$ + ")@")
+ "?(" + HOST$ + ")") + subexp("\\|:" + PORT$ + ")") + "?" ) + "?" + "?(" + PATH_ABEMPTY$ + "\|" +
PATH_ABSOLUTE$ + "\|" + PATH_NOSCHEMES$ + "\|" + PATH_EMPTY$ + ")") + subexp("\\|?" +
QUERY$ + ")") + "?" + subexp("\\|#(" + FRAGMENT$ + ")") + "?$", \n\tABSOLUTE_REF$ = "^(" +
SCHEMES$ + "\\|:" + subexp(subexp("\\|\\|/" + subexp("\\(" + USERINFO$ + ")@") + "?(" + HOST$ +
")") + subexp("\\|:" + PORT$ + ")") + "?" ) + "?" + "?(" + PATH_ABEMPTY$ + "\|" + PATH_ABSOLUTE$ +

```


toUnicode\n};\n\nexport default punycode;\n", "/*\n * URI.js\n *\n * @fileoverview An RFC 3986 compliant, scheme extendable URI parsing/validating/resolving library for JavaScript.\n *\n * @author Gary Court\n *\n * @see http://github.com/garycourt/uri-js\n */\n\n**\n * Copyright 2011 Gary Court. All rights reserved.\n *\n * Redistribution and use in source and binary forms, with or without modification, are\n * permitted provided that the following conditions are met:\n *\n * 1. Redistributions of source code must retain the above copyright notice, this list of\n * conditions and the following disclaimer.\n *\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 *\n * THIS SOFTWARE IS PROVIDED BY GARY COURT ``AS IS'' AND ANY EXPRESS OR IMPLIED\n * WARRANTIES,

INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND\n * FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL GARY COURT OR\n * CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY,\n * OR\n * CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR\n * SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON\n * ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING\n * NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF\n * ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.\n *\n * The views and conclusions contained in the software and documentation are those of\n * the\n * authors and should not be interpreted as representing official policies, either expressed\n * or implied, of Gary Court.\n *\n\nimport URI_PROTOCOL from \\"./regexp-uri\";\nimport IRI_PROTOCOL from \\"./regexp-iri\";\nimport punycode from \\"punycode\";\nimport

```

{ toUpperCase, typeOf, assign } from \\"./util\";\n\nexport interface URISchemeHandler
{\n  scheme?:string;\n  userInfo?:string;\n  host?:string;\n  port?:number|string;\n  path?:string;\n  query?:string;\n  fragment?:string;\n  reference?:string;\n  error?:string;\n}\n\nexport interface URIOptions
{\n  scheme?:string;\n  reference?:string;\n  tolerant?:boolean;\n  absolutePath?:boolean;\n  tiri?:boolean;\n  unicodeSupport?:boolean;\n  tdomainHost?:boolean;\n}\n\nexport interface URISchemeHandler<Components extends URISchemeHandler, Options extends URIOptions, ParentComponents extends URISchemeHandler>
{\n  scheme:string;\n  parse(components:ParentComponents, options:Options):Components;\n  serialize(components:Components, options:Options):ParentComponents;\n  unicodeSupport?:boolean;\n  tdomainHost?:boolean;\n  absolutePath?:boolean;\n}\n\nexport interface URIRegExps
{\n  NOT_SCHEME : RegExp,\n  NOT_USERINFO : RegExp,\n  NOT_HOST : RegExp,\n  NOT_PATH : RegExp,\n  NOT_PATH_NOSCHEME : RegExp,\n  NOT_QUERY : RegExp,\n  NOT_FRAGMENT : RegExp,\n  ESCAPE : RegExp,\n  UNRESERVED : RegExp,\n  OTHER_CHARS : RegExp,\n  PCT_ENCODED : RegExp,\n  IPV4_ADDRESS : RegExp,\n  IPV6_ADDRESS : RegExp,\n}\n\nexport const SCHEMES: {[scheme:string]:URISchemeHandler} = {};\n\nexport function pctEncChar(chr:string):string
{\n  const c = chr.charCodeAt(0);\n  let e:string;\n  if (c < 16) e = \"%0\" + c.toString(16).toUpperCase();\n  else if (c < 128) e = \"%\" + c.toString(16).toUpperCase();\n  else if (c < 2048) e = \"%\" + ((c >> 6) | 192).toString(16).toUpperCase() + \"%\" + ((c & 63) | 128).toString(16).toUpperCase();\n  else e = \"%\" + ((c >> 12) | 224).toString(16).toUpperCase() + \"%\" + (((c >> 6) & 63) | 128).toString(16).toUpperCase() + \"%\" + ((c & 63) | 128).toString(16).toUpperCase();\n  return e;\n}\n\nexport function pctDecChars(str:string):string
{\n  let newStr = \"\";\n  let i = 0;\n  const il = str.length;\n  while (i < il) {\n    const c = parseInt(str.substr(i + 1, 2), 16);\n    if (c < 128) {\n      newStr += String.fromCharCode(c);\n    } else if (c >= 194 && c < 224) {\n      if ((il - i) >= 6) {\n        const c2 = parseInt(str.substr(i + 4, 2), 16);\n        newStr += String.fromCharCode(((c & 31) << 6) | (c2 & 63));\n      } else {\n        newStr += str.substr(i, 6);\n      } else if (c >= 224) {\n      if ((il - i) >= 9)

```

```

const c2 = parseInt(str.substr(i + 4, 2), 16);
const c3 = parseInt(str.substr(i + 7, 2), 16);
let newStr += String.fromCharCode(((c & 15) << 12) | ((c2 & 63) << 6) | (c3 & 63));
} else {
newStr += str.substr(i, 9);
}
}
return newStr;
}

function _normalizeComponentEncoding(components: URIComponents, protocol: URIRegExps) {
function decodeUnreserved(str: string): string {
const decStr = pctDecChars(str);
return (!decStr.match(protocol.UNRESERVED) ? str : decStr);
}

(components.scheme) components.scheme = String(components.scheme).replace(protocol.PCT_ENCODED, decodeUnreserved).toLowerCase().replace(protocol.NOT_SCHEME, "");
}

(components userinfo !== undefined) components userinfo = String(components userinfo).replace(protocol.PCT_ENCODED, decodeUnreserved).replace(protocol.NOT_USERINFO, pctEncChar).replace(protocol.PCT_ENCODED, toUpperCase);
}

(components host !== undefined) components host = String(components host).replace(protocol.PCT_ENCODED, decodeUnreserved).toLowerCase().replace(protocol.NOT_HOST, pctEncChar).replace(protocol.PCT_ENCODED, toUpperCase);
}

(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);
}

(components query !== undefined) components query = String(components query).replace(protocol.PCT_ENCODED, decodeUnreserved).replace(protocol.NOT_QUERY, pctEncChar).replace(protocol.PCT_ENCODED, toUpperCase);
}

(components fragment !== undefined) components fragment = String(components fragment).replace(protocol.PCT_ENCODED, decodeUnreserved).replace(protocol.NOT_FRAGMENT, pctEncChar).replace(protocol.PCT_ENCODED, toUpperCase);
}

return components;
}

function _stripLeadingZeros(str: string): string {
return str.replace(/^*(.*)/, "$1");
}

function _normalizeIPv4(host: string, protocol: URIRegExps): string {
const matches = host.match(protocol.IPV4ADDRESS) || [];
const [, address] = matches;
}

return address.split(".").map(_stripLeadingZeros).join(".");
} else {
return host;
}
}

function _normalizeIPv6(host: string, protocol: URIRegExps): string {
const matches = host.match(protocol.IPV6ADDRESS) || [];
const [, address, zone] = matches;
}

return address.toLowerCase().split("::").reverse();
}

const firstFields = first ? first.split(":").map(_stripLeadingZeros) : [];
const lastFields = last.split(":").map(_stripLeadingZeros);
const isLastFieldIPv4Address = protocol.IPV4ADDRESS.test(lastFields[lastFields.length - 1]);
const fieldCount = isLastFieldIPv4Address ? 7 : 8;
const lastFieldsStart = lastFields.length - fieldCount;
const fields = Array<string>(fieldCount);
}

for (let x = 0; x < fieldCount; ++x) {
fields[x] = firstFields[x] || lastFields[lastFieldsStart + x];
}

}

if (isLastFieldIPv4Address) {
fields[fieldCount - 1] = _normalizeIPv4(fields[fieldCount - 1], protocol);
}

const allZeroFields = fields.reduce<Array<{index: number, length: number}>>((acc, field, index) => {
if (!field || field === "0") {
const lastLongest = acc[acc.length - 1];
if (lastLongest && lastLongest.index + lastLongest.length === index) {
lastLongest.length++;
} else {
acc.push({ index, length: 1 });
}
}

const longestZeroFields = allZeroFields.sort((a, b) => b.length - a.length)[0];
let newHost: string;
}

if (longestZeroFields && longestZeroFields.length > 1) {
const newFirst = fields.slice(0, longestZeroFields.index);
const newLast = fields.slice(longestZeroFields.index + longestZeroFields.length);
newHost = newFirst.join(":") + ":" + newLast.join(":");
} else {
newHost = fields.join(":");
}

}

}

if (zone) {
newHost += "%" + zone;
}

return newHost;
} else {
return host;
}
}

const URI_PARSE = /^(?:(?:[^\v?#]+)?(?:\v|\/|(?!(?:[^\v?#*]@)|\[[^\v?#\]]+\]|(?:[^\v?#:]*)?(\d*))?(?:[^\v?#]*)(?:\v|\/|(?!(?:[^\v?#*]@)|\[[^\v?#\]]+\]|(?:[^\v?#:]*)?(\d*))?)(?:#(?:\v|\/|(?!(?:[^\v?#*]@)|\[[^\v?#\]]+\]|(?:[^\v?#:]*)?(\d*))?)?|/i;
const NO_MATCH_IS_UNDEFINED = (<RegExpMatchArray>("").match(/{})/)[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(/\/\w\/(?:\w)*\:(?:\w\/|\?|#|$)/) ? matches[4] :
        undefined);
      }
      components.host =
      //normalize IP hosts
      _normalizeIPv6(_normalizeIPv4(components.host, protocol),
      protocol);
      //determine reference type
      if (components.scheme === undefined &&
      components.userInfo === undefined && components.host ===
      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
        if (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" + $2 : "") + "]"));
          if (typeof components.port === "number") {
            uriTokens.push(":");
            uriTokens.push(components.port.toString(10));
          }
          return uriTokens.length ?
          uriTokens.join("") : undefined;
        }
        const RDS1 = /^[.].?$/;
        const RDS2 = /^[\\|.|(|$/];
        const RDS3 =
        /^[\\|.|\(|$/];
        const RDS4 = /^[.].?$/;
        const RDS5 = /^[.].?$/;
        function
        removeDotSegments(input:string):string {
          const output:Array<string> = [];
          while (input.length) {
            if

```



```
options) as URNComponents;\n\t\t}\n\n\tconst uriComponents = urnComponents as URIComponents;\n\tconst nss = urnComponents.nss;\n\tconst uriComponents.path = `${nid || options.nid}:${nss}`;\n\treturn uriComponents;\n\t},\n\t);\n\n\texport default handler;";\n\n\timport { URISchemeHandler, URIComponents, URIOptions } from \"../uri\";\n\timport { URNComponents } from \"../urn\";\n\timport { SCHEMES } from \"../schemes\";\n\n\texport interface UUIDComponents extends URNComponents {\n\t\tuid?: string;\n\t}\n\n\tconst UUID = /^[0-9A-Fa-f]{8}(?:\\-[0-9A-Fa-f]{4}){3}\\-[0-9A-Fa-f]{12}$/;\n\tconst UUID_PARSE = /^[0-9A-Fa-f\\-]{36}/;\n\n\t//RFC 4122\n\tconst handler:URISchemeHandler<UUIDComponents, URIOptions, URNComponents> = {\n\t\tscheme : \"urn:uuid\",\n\t\t\tparse : function (urnComponents:URNComponents, options:URIOptions):UUIDComponents {\n\t\t\t\tconst uuidComponents = urnComponents as UUIDComponents;\n\t\t\t\tuidComponents.uid = uuidComponents.nss;\n\t\t\t\tuidComponents.nss = undefined;\n\t\t\t\tif (!options.tolerant && (!uidComponents.uid || !uidComponents.uid.match(UUID))) {\n\t\t\t\t\tuidComponents.error =\n\t\t\t\t\tuidComponents.error || \"UUID is not valid.\";\n\t\t\t\t}\n\t\t\t\treturn uidComponents;\n\t\t\t},\n\t\t\tserialize : function (uidComponents:UUIDComponents, options:URIOptions):URNComponents {\n\t\t\t\tconst urnComponents = uidComponents as URNComponents;\n\t\t\t\treturn normalize UUID\\n\\tturnComponents.nss = (uidComponents.uid || \"\").toLowerCase();\n\t\t\t\treturn urnComponents;\n\t\t\t},\n\t\t\texport default handler;";\n\n\timport { SCHEMES } from \"../uri\";\n\timport http from \"../schemes/http\";\n\tSCHEMES[http.scheme] = http;\n\timport https from \"../schemes/https\";\n\tSCHEMES[https.scheme] = https;\n\timport mailto from \"../schemes/mailto\";\n\tSCHEMES[mailto.scheme] = mailto;\n\timport urn from \"../schemes/urn\";\n\tSCHEMES[urn.scheme] = urn;\n\timport uuid from \"../schemes/urn-uuid\";\n\tSCHEMES[uuid.scheme] = uuid;\n\texport * from \"../uri\";\n\t};\n\t}"}\n}
```

Found in path(s):

```
* /opt/cola/permits/1110634955_1606918997.92/0/garycourt-uri-js-4-2-2-0-g4f6f600-1-tar-gz/garycourt-uri-js-4f6f600/dist/es5/uri.all.min.js.map
```

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

```
{\n  \"version\":3,\n  \"file\":\"uri.all.js\",\n  \"sources\":[\n    \"../src/index.ts\",\n    \"../src/schemes/urn-uuid.ts\",\n    \"../src/schemes/urn.ts\",\n    \"../src/schemes/mailto.ts\",\n    \"../src/schemes/https.ts\",\n    \"../src/schemes/http.ts\",\n    \"../src/uri.ts\",\n    \"../node_modules/punycode/punycode.es6.js\",\n    \"../src/regexp-iri.ts\",\n    \"../src/regexp-uri.ts\",\n    \"../src/util.ts\"],\n  \"sourcesContent\":[\n    \"import { SCHEMES } from '../uri';\\nimport http from '../schemes/http';\\nSCHEMES[http.scheme] = http;\\nimport https from '../schemes/https';\\nSCHEMES[https.scheme] = https;\\nimport mailto from '../schemes/mailto';\\nSCHEMES[mailto.scheme] = mailto;\\nimport urn from '../schemes/urn';\\nSCHEMES[urn.scheme] = urn;\\nimport uuid from '../schemes/urn-uuid';\\nSCHEMES[uuid.scheme] = uuid;\\nexport * from '../uri';\\n\", \"import { URISchemeHandler, URIComponents, URIOptions } from '../uri';\\nimport { URNComponents } from '../urn';\\nimport { SCHEMES } from '../uri';\\nexport interface UUIDComponents extends URNComponents {\n\t\tuid?: string;\n\t}\n\n\tconst UUID = /^[0-9A-Fa-f]{8}(?:\\-[0-9A-Fa-f]{4}){3}\\-[0-9A-Fa-f]{12}$/;\n\tconst UUID_PARSE = /^[0-9A-Fa-f\\-]{36}/;\n\n\t//RFC 4122\n\tconst handler:URISchemeHandler<UUIDComponents, URIOptions, URNComponents> = {\n\t\tscheme : \"urn:uuid\",\n\t\t\tparse : function (urnComponents:URNComponents, options:URIOptions):UUIDComponents {\n\t\t\t\tconst uuidComponents = urnComponents as UUIDComponents;\n\t\t\t\tuidComponents.uid = uuidComponents.nss;\n\t\t\t\tuidComponents.nss = undefined;\n\t\t\t\tif (!options.tolerant && (!uidComponents.uid || !uidComponents.uid.match(UUID))) {\n\t\t\t\t\tuidComponents.error =\n\t\t\t\t\tuidComponents.error || \"UUID is not valid.\";\n\t\t\t\t}\n\t\t\t\treturn uidComponents;\n\t\t\t},\n\t\t\tserialize : function (uidComponents:UUIDComponents, options:URIOptions):URNComponents {\n\t\t\t\tconst urnComponents = uidComponents as URNComponents;\n\t\t\t\treturn normalize UUID\\n\\tturnComponents.nss = (uidComponents.uid
```



```

IF * ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. * The views and conclusions contained in
the software and documentation are those of the authors and should not be interpreted as representing official
policies, either expressed or implied, of Gary Court.
import URI_PROTOCOL from './regexpr-uri';
import IRI_PROTOCOL from './regexpr-iri';
import punycode from './punycode';
import { toUpperCase, typeOf, assign } from './util';
export interface URIComponents {
  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 URIComponents = URIComponents, Options extends URIOptions = URIOptions, ParentComponents extends URIComponents = URIComponents> {
  scheme: string;
  parse(components: ParentComponents, options: Options): Components;
  serialize(components: Components, options: Options): ParentComponents;
  unicodeSupport?: boolean;
  domainHost?: boolean;
  absolutePath?: boolean;
}
export interface URIRegExps {
  NOT_SCHEME : RegExp,
  NOT_USERINFO : 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 (i < il) {
    const c = parseInt(str.substr(i + 1, 2), 16);
    if (c < 128) {
      newStr += String.fromCharCode(c);
      i += 3;
    } else if (c >= 194 && c < 224) {
      const c2 = parseInt(str.substr(i + 4, 2), 16);
      newStr += String.fromCharCode(((c & 31) << 6) | (c2 & 63));
    } else {
      const c2 = parseInt(str.substr(i + 6), 16);
      const c3 = parseInt(str.substr(i + 7, 2), 16);
      newStr += String.fromCharCode(((c & 15) << 12) | ((c2 & 63) << 6) | (c3 & 63));
    }
    i += 9;
  }
  return newStr;
}
function _normalizeComponentEncoding(components: URIComponents, protocol: URIRegExps) {
  function decodeUnreserved(str: string): string {
    const decStr = pctDecChars(str);
    return (!decStr.match(protocol.UNRESERVED) ? str : decStr);
  }
  if (components.scheme) components.scheme = String(components.scheme).replace(protocol.PCT_ENCODED, decodeUnreserved).toLowerCase().replace(protocol.NOT_SCHEME, "");
  if (components.userinfo !== undefined) components.userinfo = String(components.userinfo).replace(protocol.PCT_ENCODED, decodeUnreserved).replace(protocol.NOT_USERINFO, pctEncChar).replace(protocol.PCT_ENCODED, toUpperCase);
  if (components.host !== undefined) components.host = String(components.host).replace(protocol.PCT_ENCODED, decodeUnreserved).toLowerCase().replace(protocol.NOT_HOST, pctEncChar).replace(protocol.PCT_ENCODED, toUpperCase);
  if (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);
  if (components.query !== undefined) components.query = String(components.query).replace(protocol.PCT_ENCODED, decodeUnreserved).replace(protocol.NOT_QUERY,

```



```

uriB;\n};\n\nexport function escapeComponent(str:string, options?:URIOptions):string {\n\treturn str &&
str.toString().replace(!options || !options.iri ? URI_PROTOCOL.ESCAPE : IRI_PROTOCOL.ESCAPE),
pctEncChar);\n};\n\nexport function unescapeComponent(str:string,
options?:URIOptions):string {\n\treturn str && str.toString().replace(!options || !options.iri ?
URI_PROTOCOL.PCT_ENCODED : IRI_PROTOCOL.PCT_ENCODED), pctDecChars);\n};\n"}\n","use
strict";\n\n/** Highest positive signed 32-bit float value */\nconst maxInt = 2147483647; // aka. 0x7FFFFFFF or
2^31-1\n\n/** Bootstring parameters */\nconst base = 36;\nconst tMin = 1;\nconst tMax = 26;\nconst skew =
38;\nconst damp = 700;\nconst initialBias = 72;\nconst initialN = 128; // 0x80\nconst delimiter = '-'; // "\x2D"\n\n/**
Regular expressions */\nconst regexPunycode = /^xn--/;\nconst regexNonASCII = /[^\x0-\x7E]/; // non-ASCII
chars\nconst regexSeparators = /[\x2E\u3002\uFF0E\uFF61]/g; // RFC 3490 separators\n\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 * @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-->
0) {\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}\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\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\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.fromCharCode(...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\tif
(codePoint - 0x41 < 0x1A) {\n\t\treturn codePoint - 0x41;\n\t}\n\tif
(codePoint - 0x61 < 0x1A) {\n\t\treturn codePoint - 0x61;\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 */\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 */\n\nconst adapt = function(delta, numPoints, firstTime) {\n\tlet k = 0;\n\tlet delta
= firstTime ? floor(delta / damp) : delta >> 1;\n\tlet delta += floor(delta / numPoints);\n\tfor (/* no initialization */;
delta > baseMinusTMin * tMax >> 1; k += base) {\n\t\tlet delta = floor(delta / baseMinusTMin);\n\t}\n\treturn floor(k
+ (baseMinusTMin + 1) * delta / (delta + skew));\n};\n\n/**\n * Converts a Punycode string of ASCII-only symbols
to a string of Unicode\n * symbols.\n * @memberOf punycode\n * @param {String} input The Punycode string of
ASCII-only symbols.\n * @returns {String} The resulting string of Unicode symbols.\n */\n\nconst decode =
function(input) {\n\t// Don't use UCS-2.\n\tconst output = [];\n\tconst inputLength = input.length;\n\tlet i = 0;\n\tlet n
= initialN;\n\tlet bias = initialBias;\n\t// Handle the basic code points: let `basic` be the number of input code\n\t//
points before the last delimiter, or `0` if there is none, then copy\n\t// the first basic code points to the output.\n\tlet
basic = input.lastIndexOf(delimiter);\n\tif (basic < 0) {\n\t\tbasic
= 0;\n\t}\n\tfor (let j = 0; j < basic; ++j) {\n\t\t// if it's not a basic code point\n\t\tif (input.charCodeAt(j) >= 0x80)
{\n\t\t\tthrow('not-basic');\n\t\t}\n\t\toutput.push(input.charCodeAt(j));\n\t}\n\t// Main decoding loop: start just after
the last delimiter if any basic code\n\t// points were copied; start at the beginning otherwise.\n\tfor (let index =
basic > 0 ? basic + 1 : 0; index < inputLength; /* no final expression */) {\n\t\t// `index` is the index of the next
character to be consumed.\n\t\t// Decode a generalized variable-length integer into `delta`,\n\t\t// which gets added to
`i`. The overflow checking is easier\n\t\t// if we increase `i` as we go, then subtract off its starting\n\t\t// value at the
end to obtain `delta`.\n\t\tlet oldi = i;\n\t\tfor (let w = 1, k = base; /* no condition */; k += base) {\n\t\t\tif (index >=
inputLength) {\n\t\t\t\tthrow('invalid-input');\n\t\t\t}\n\t\t\tconst digit =
basicToDigit(input.charCodeAt(index++));\n\t\t\tif
(digit >= base || digit > floor((maxInt - i) / w)) {\n\t\t\t\tthrow('overflow');\n\t\t\t}\n\t\t\tlet ti += digit * w;\n\t\t\tconst t
= k <= bias ? tMin : (k >= bias + tMax ? tMax : k - bias);\n\t\t\tif (digit < t) {\n\t\t\t\tbreak;\n\t\t\t}\n\t\t\tconst
baseMinusT = base - t;\n\t\t\tif (w > floor(maxInt / baseMinusT)) {\n\t\t\t\tthrow('overflow');\n\t\t\t}\n\t\t\tlet tw *=
baseMinusT;\n\t\t\tconst out = output.length + 1;\n\t\t\tlet bias = adapt(i - oldi, out, oldi === 0);\n\t\t\t// `i` was
supposed to wrap around from `out` to `0`,\n\t\t\t// incrementing `n` each time, so we'll fix that now:\n\t\t\tif (floor(i /
out) > maxInt - n) {\n\t\t\t\tthrow('overflow');\n\t\t\t}\n\t\t\tlet tn += floor(i / out);\n\t\t\tlet % = out;\n\t\t\t// Insert `n`
at
position `i` of the output.\n\t\t\toutput.splice(i++, 0, n);\n\t\t}\n\t}\n\treturn
String.fromCharCode(...output);\n};\n\n/**\n * Converts a string of Unicode symbols (e.g. a domain name label) to
a\n * Punycode string of ASCII-only symbols.\n * @memberOf punycode\n
* @param {String} input The string of Unicode symbols.\n * @returns {String} The resulting Punycode string of
ASCII-only symbols.\n */\n\nconst encode = function(input) {\n\tconst output = [];\n\t// Convert the input in UCS-2
to an array of Unicode code points.\n\tlet input = ucs2decode(input);\n\t// Cache the length.\n\tlet inputLength =
input.length;\n\t// Initialize the state.\n\tlet n = initialN;\n\tlet delta = 0;\n\tlet bias = initialBias;\n\t// Handle the
basic code points.\n\tfor (const currentValue of input) {\n\t\tif (currentValue < 0x80)
{\n\t\t\toutput.push(stringFromCharCode(currentValue));\n\t\t}\n\t\tlet basicLength = output.length;\n\t\tlet
handledCPCount = basicLength;\n\t\t// `handledCPCount` is the number of code points that have been handled;\n\t\t//
`basicLength` is the number of basic code points.\n\t\t// Finish the basic string with a delimiter unless it's
empty.\n\t\tif (basicLength) {\n\t\t\toutput.push(delimiter);\n\t\t}\n\t\t// Main encoding loop:\n\t\twhile

```

```

(handledCPCount < inputLength) {
  // All non-basic code points < n have been handled already. Find the
  // next larger one:
  let m = maxInt;
  for (const currentValue of input) {
    if (currentValue >= n &&
        currentValue < m) {
      m = currentValue;
    }
  }
  // Increase `delta` enough to advance the decoder's
  // state to <m,0>, but guard against overflow.
  const handledCPCountPlusOne = handledCPCount +
    1;
  if (m - n > floor((maxInt - delta) / handledCPCountPlusOne)) {
    error('overflow');
  }
  delta +=
    (m - n) * handledCPCountPlusOne;
  m = m;
  for (const currentValue of input) {
    if (currentValue < n
        && ++delta > maxInt) {
      error('overflow');
    }
    if (currentValue === n) {
      // Represent delta as a
      // generalized variable-length integer.
      let q = delta;
      for (let k = base; /* no condition */; k += base)
        const t = k <= bias ? tMin : (k >= bias + tMax
          ? tMax : k - bias);
      if (q < t) {
        break;
      }
      const qMinusT = q - t;
      const baseMinusT = base - t;
      output.push(stringFromCharCode(digitToBasic(t + qMinusT %
        baseMinusT, 0)));
      q = floor(qMinusT /
        baseMinusT);
      output.push(stringFromCharCode(digitToBasic(q, 0)));
      bias = adapt(delta,
        handledCPCountPlusOne, handledCPCount == basicLength);
      delta =
        0;
      ++handledCPCount;
    }
  }
  return output.join('');
}

```

Converts a Punycode string representing a domain name or an email address to Unicode. Only the Punycode parts of the input will be converted, i.e. it doesn't matter if you call it on a string that has already been converted to Unicode.

`@memberOf punycode`

`@param {String} input` The Punycode domain name or email address to convert to Unicode.

`@returns {String}` The Unicode representation of the given Punycode string.

```

const toUnicode = function(input) {
  return mapDomain(input, function(string) {
    return regexPunycode.test(string)
      ? decode(string.slice(4).toLowerCase())
      : string;
  });
};

const toASCII = function(input) {
  return mapDomain(input, function(string) {
    return regexNonASCII.test(string)
      ? 'xn--' + encode(string)
      : string;
  });
};

```

```

Define the public API
const punycode = {
  version: '2.1.0',
  // An object of methods to convert from JavaScript's internal character
  // representation (UCS-2) to Unicode code points, and back.
  decode: decode,
  encode: encode,
  toASCII: toASCII,
  toUnicode: toUnicode,
  // The default buildExps function
  buildExps(isIRI: boolean): URIRegExps {
    const ALPHA$ = '[A-Za-z]',
          CR$ = '\r',
          DIGIT$ = '[0-9]',
          DIGIT2$ = merge(DIGIT$, '[A-Fa-f]'), //case-insensitive
          SP$ = '\s',
          PCT_ENCODED$ = subexp(subexp('%[EFef]' + HEXDIG$ + '%' +
            HEXDIG$ + HEXDIG$ + '%' + HEXDIG$ + HEXDIG$) + '%' +
            subexp('%[89A-Fa-f]' + HEXDIG$ +
              '%' + HEXDIG$ + HEXDIG$) + '%' +
            subexp('%' + HEXDIG$ + HEXDIG$)),
          GEN_DELIMS$ = '[]@',
          SUB_DELIMS$ = '[]@',
          RESERVED$ = merge(GEN_DELIMS$, SUB_DELIMS$),
          UCSCHAR$ = isIRI ? '\xA0-\uD00D\u2010-\u202F-\u203F-\u2040-\u2041-\u2042-\u2043-\u2044-\u2045-\u2046-\u2047-\u2048-\u2049-\u204A-\u204B-\u204C-\u204D-\u204E-\u204F-\u2050-\u2051-\u2052-\u2053-\u2054-\u2055-\u2056-\u2057-\u2058-\u2059-\u205A-\u205B-\u205C-\u205D-\u205E-\u205F-\u2060-\u2061-\u2062-\u2063-\u2064-\u2065-\u2066-\u2067-\u2068-\u2069-\u206A-\u206B-\u206C-\u206D-\u206E-\u206F-\u2070-\u2071-\u2072-\u2073-\u2074-\u2075-\u2076-\u2077-\u2078-\u2079-\u207A-\u207B-\u207C-\u207D-\u207E-\u207F-\u2080-\u2081-\u2082-\u2083-\u2084-\u2085-\u2086-\u2087-\u2088-\u2089-\u208A-\u208B-\u208C-\u208D-\u208E-\u208F-\u2090-\u2091-\u2092-\u2093-\u2094-\u2095-\u2096-\u2097-\u2098-\u2099-\u209A-\u209B-\u209C-\u209D-\u209E-\u209F-\u20A0-\u20A1-\u20A2-\u20A3-\u20A4-\u20A5-\u20A6-\u20A7-\u20A8-\u20A9-\u20AA-\u20AB-\u20AC-\u20AD-\u20AE-\u20AF-\u20B0-\u20B1-\u20B2-\u20B3-\u20B4-\u20B5-\u20B6-\u20B7-\u20B8-\u20B9-\u20BA-\u20BB-\u20BC-\u20BD-\u20BE-\u20BF-\u20C0-\u20C1-\u20C2-\u20C3-\u20C4-\u20C5-\u20C6-\u20C7-\u20C8-\u20C9-\u20CA-\u20CB-\u20CC-\u20CD-\u20CE-\u20CF-\u20D0-\u20D1-\u20D2-\u20D3-\u20D4-\u20D5-\u20D6-\u20D7-\u20D8-\u20D9-\u20DA-\u20DB-\u20DC-\u20DD-\u20DE-\u20DF-\u20E0-\u20E1-\u20E2-\u20E3-\u20E4-\u20E5-\u20E6-\u20E7-\u20E8-\u20E9-\u20EA-\u20EB-\u20EC-\u20ED-\u20EE-\u20EF-\u20F0-\u20F1-\u20F2-\u20F3-\u20F4-\u20F5-\u20F6-\u20F7-\u20F8-\u20F9-\u20FA-\u20FB-\u20FC-\u20FD-\u20FE-\u20FF-\u20FF' : '[]', //subset, excludes bidi control
          PRIVATE$ = isIRI ? '\uE000-\uF8FF' : '[]', //subset UNRESERVED$ =

```



```

merge(ALPHA$$, DIGIT$$, "[\[\]\-|\.\|\_|\~|]", UCSCHAR$$),\n\tSCHEME$ = subexp(ALPHA$$ +
merge(ALPHA$$, DIGIT$$, "[\[\]\+|\.\|\_|\_|\]")
+ \*"),\n\tUSERINFO$ = subexp(subexp(PCT_ENCODED$ + \| + merge(UNRESERVED$$,
SUB_DELIMSS$, "[\[\]:|\]")) + \*"),\n\tDEC_OCTET$ = subexp(subexp("25[0-5]" + \| + subexp("2[0-4]"
+ DIGIT$$) + \| + subexp("1" + DIGIT$$ + DIGIT$$) + \| + subexp("[1-9]" + DIGIT$$) + \| +
DIGIT$$),\n\tDEC_OCTET_RELAXED$ = subexp(subexp("25[0-5]" + \| + subexp("2[0-4]" + DIGIT$$) +
\| + subexp("1" + DIGIT$$ + DIGIT$$) + \| + subexp("0?[1-9]" + DIGIT$$) + \|0?0?" + DIGIT$$),
//relaxed parsing rules\n\tIPV4ADDRESS$ = subexp(DEC_OCTET_RELAXED$ + \| +
DEC_OCTET_RELAXED$ + \| +
DEC_OCTET_RELAXED$),\n\tH16$ = subexp(HEXDIG$$ + \|{1,4}|"),\n\tLS32$ = subexp(subexp(H16$ +
\| + H16$) + \| + IPV4ADDRESS$),\n\tIPV6ADDRESS1$ = subexp(
subexp(H16$ + \| + LS32$), //
= subexp(
\| + subexp(H16$ + \| + LS32$), //
\| 5( h16 \| ) ls32\n\tIPV6ADDRESS3$ = subexp(subexp(
H16$ + \| +
subexp(H16$ + \| + LS32$), //
h16 \| 4( h16 \| ) ls32\n\tIPV6ADDRESS4$ =
subexp(subexp(subexp(H16$ + \| + LS32$) + \|{0,1}" + H16$) + \| + subexp(H16$ + \| + LS32$) + \|{3}" +
LS32$), //
*( h16 \| ) h16 \| 3( h16 \| ) ls32\n\tIPV6ADDRESS5$ = subexp(subexp(subexp(H16$ +
\| + LS32$) + \|{0,2}" + H16$) + \| + subexp(H16$ + \| + LS32$) + \|{2}" + H16$), //
*( h16 \| ) h16
\| 2( h16 \| ) ls32\n\tIPV6ADDRESS6$ = subexp(subexp(subexp(H16$ + \| + LS32$) + \|{0,3}" + H16$) +
\| +
H16$ + \| + LS32$), //
*( h16 \| ) h16 \|
h16 \|
ls32\n\tIPV6ADDRESS7$ = subexp(subexp(subexp(H16$
+ \| + LS32$) + \|{0,4}" + H16$) + \| +
+ LS32$), //
*( h16 \| ) h16 \|
ls32\n\tIPV6ADDRESS8$ = subexp(subexp(subexp(H16$ + \| + LS32$) + \|{0,5}" + H16$) + \| +
+ H16$), //
*( h16 \| ) h16 \|
h16\n\tIPV6ADDRESS9$ = subexp(subexp(subexp(H16$ +
\| + LS32$) + \|{0,6}" + H16$) + \| +
), //
*( h16 \| ) h16
\|
\|)\n\tIPV6ADDRESS$ = subexp([IPV6ADDRESS1$, IPV6ADDRESS2$, IPV6ADDRESS3$,
IPV6ADDRESS4$, IPV6ADDRESS5$, IPV6ADDRESS6$, IPV6ADDRESS7$, IPV6ADDRESS8$,
IPV6ADDRESS9$].join("\|")), \n\tZONEID$ = subexp(subexp(UNRESERVED$$ + \| + PCT_ENCODED$) +
\| + \), //RFC 6874\n\tIPV6ADDRZ$ = subexp(IPV6ADDRESS$ + \| + ZONEID$), //RFC
6874\n\tIPV6ADDRZ_RELAXED$ = subexp(IPV6ADDRESS$ + subexp("\| + HEXDIG$$ +
\|{2}")) + ZONEID$), //RFC 6874, with relaxed
parsing rules\n\tIPV6FUTURE$ = subexp("[vV]" + HEXDIG$$ + \| +
merge(UNRESERVED$$,
SUB_DELIMSS$, "[\[\]:|\]")) + \| + \),\n\tIP_LITERAL$ = subexp("\| + subexp(IPV6ADDRZ_RELAXED$ +
\| + IPV6ADDRESS$ + \| + IPV6FUTURE$) + \| + \), //RFC 6874\n\tREG_NAME$ =
subexp(subexp(PCT_ENCODED$ + \| + merge(UNRESERVED$$, SUB_DELIMSS$)) + \| + \),\n\tHOST$ =
subexp(IP_LITERAL$ + \| + IPV4ADDRESS$ + \| + REG_NAME$ + \| + \) + \| +
REG_NAME$),\n\tPORT$ = subexp(DIGIT$$ + \| + \),\n\tAUTHORITY$ = subexp(subexp(USERINFO$ +
\| + \) + \| + HOST$ + subexp("\| + PORT$) + \| + \),\n\tPCCHAR$ = subexp(PCT_ENCODED$ + \| +
merge(UNRESERVED$$, SUB_DELIMSS$, "[\[\]:|\]@\]")), \n\tSEGMENT$ = subexp(PCCHAR$ +
\| + \),\n\tSEGMENT_NZ$ = subexp(PCCHAR$ + \| + \),\n\tSEGMENT_NZ_NC$ =
subexp(subexp(PCT_ENCODED$ + \| + merge(UNRESERVED$$, SUB_DELIMSS$, "[\[\]:|\]@\]")) +
\| + \),\n\tPATH_ABEMPTY$ = subexp(subexp("\| + SEGMENT$) + \| + \),\n\tPATH_ABSOLUTE$
= subexp("\| + subexp(SEGMENT_NZ$ + PATH_ABEMPTY$) + \| + \),
//simplified\n\tPATH_NOSCHEME$ = subexp(SEGMENT_NZ_NC$ + PATH_ABEMPTY$),
//simplified\n\tPATH_ROOTLESS$ = subexp(SEGMENT_NZ$ + PATH_ABEMPTY$),
//simplified\n\tPATH_EMPTY$ = \| + PCCHAR$ + \|", \n\tPATH$ = subexp(PATH_ABEMPTY$ + \| +
PATH_ABSOLUTE$ + \| + PATH_NOSCHEME$ + \| + PATH_ROOTLESS$ + \| +
PATH_EMPTY$), \n\tQUERY$ = subexp(subexp(PCCHAR$ + \| + merge("\| + \], IPPRIVATE$)) +

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"*"),\n\tFRAGMENT$ = subexp(subexp(PCHAR$ + "[\\\\\\\\?]" + "*" ),\n\tHIER_PART$ =  
subexp(subexp("\\\\\\\\" + AUTHORITY$ + PATH_ABEMPTY$ + "|" + PATH_ABSOLUTE$ + "|" +  
PATH_ROOTLESS$ + "|" + PATH_EMPTY$),\n\tURI$ = subexp(SCHEMES$ + ":\\" + HIER_PART$ +  
subexp(":\\" + QUERY$) + "?" + subexp("#\\" + FRAGMENT$) + "?"),\n\tRELATIVE_PART$ =  
subexp(subexp("\\\\\\\\" + AUTHORITY$ + PATH_ABEMPTY$) + "|" + PATH_ABSOLUTE$ + "|" +  
PATH_NOSCHEMES$ + "|" + PATH_EMPTY$),\n\tRELATIVE$  
= subexp(RELATIVE_PART$ + subexp(":\\" + QUERY$) + "?" + subexp("#\\" + FRAGMENT$) +  
"?"),\n\tURI_REFERENCE$ = subexp(URI$ + "|" + RELATIVE$),\n\tABSOLUTE_URI$ =  
subexp(SCHEMES$ + ":\\" + HIER_PART$ + subexp(":\\" + QUERY$) + "?"),\n\tGENERIC_REF$ =  
"^(\" + SCHEMES$ + ")\":\" + subexp(subexp("\\\\\\\\\" + subexp("(" + USERINFO$ + "\")@\"" + "\"?\" +  
HOST$ + "\")\" + subexp(":\":(\" + PORT$ + "\")\" + \"?\")\" + \"?(\" + PATH_ABEMPTY$ + "|" +  
PATH_ABSOLUTE$ + "|" + PATH_ROOTLESS$ + "|" + PATH_EMPTY$ + "\")\" + subexp(":\":?\" +  
QUERY$ + "\")\" + \"?\")\" + subexp("#\":\" + FRAGMENT$ + "\")\" + \"?$\", \n\tRELATIVE_REF$ = "^(\" + SCHEMES$ + ")\":\" +  
subexp(subexp("\\\\\\\\\" + subexp("(" + USERINFO$ + "\")@\"" + "\"?\" + HOST$ + "\")\" + subexp(":\":\" +  
PORT$ + "\")\" + \"?\")\" + \"?(\" + PATH_ABEMPTY$ + "|" + PATH_ABSOLUTE$ + "|" +  
PATH_NOSCHEMES$ + "|" + PATH_EMPTY$ + "\")\" + subexp(":\":?\" + QUERY$ + "\")\" + \"?\")\"  
+ subexp("#\":\" + FRAGMENT$ + "\")\" + \"?$\", \n\tABSOLUTE_REF$ = "^(\" + SCHEMES$ + ")\":\" +  
subexp(subexp("\\\\\\\\\" + subexp("(" + USERINFO$ + "\")@\"" + "\"?\" + HOST$ + "\")\" + subexp(":\":\" +  
PORT$ + "\")\" + \"?\")\" + \"?(\" + PATH_ABEMPTY$ + "|" + PATH_ABSOLUTE$ + "|" +  
PATH_ROOTLESS$ + "|" + PATH_EMPTY$ + "\")\" + subexp(":\":?\" + QUERY$ + "\")\" +  
\"?$\", \n\tSAMEDOC_REF$ = "^(\" + subexp("#\":\" + FRAGMENT$ + "\")\" +  
\"?$\", \n\tAUTHORITY_REF$ = "^(\" + subexp("(" + USERINFO$ + "\")@\"" + "\"?\" + HOST$ + "\")\" +  
subexp(":\":\" + PORT$ + "\")\" + \"?\")\" + \"?$\" \n\t; \n\treturn { \n\t\tNOT_SCHEME : new RegExp(merge(["[\"],  
ALPHA$, 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$),  
\"g\"), \n\t\t\tNOT_PATH_NOSCHHEME : new RegExp(merge(["[\\\\\\\\%\\\\\\\\\\\\\\\\\\\\@]\", UNRESERVED$,  
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\texport default buildExps(false); \n\t"export function  
merge(...sets:Array<string>):string  
{ \n\t\tif (sets.length > 1) { \n\t\t\tsets[0] = sets[0].slice(0, -1); \n\t\t\tconst xl = sets.length - 1; \n\t\t\tfor (let x = 1; x < xl;  
++x) { \n\t\t\t\tsets[x] = sets[x].slice(1, -1); \n\t\t\t\tsets[xl] = sets[xl].slice(1); \n\t\t\t\treturn sets.join(""); \n\t\t\t} \n\t\t} \n\t\treturn sets[0]; \n\t} \n\texport function subexp(str:string):string { \n\t\treturn \"(?:\" + str + \")\"; \n\t} \n\texport  
function typeOf(o:any):string { \n\t\treturn o === undefined ? \"undefined\" : (o === null ? \"null\" :  
Object.prototype.toString.call(o).split(\" \").pop().split(\" \").shift().toLowerCase()); \n\t} \n\texport function  
toUpperCase(str:string):string { \n\t\treturn str.toUpperCase(); \n\t} \n\texport function toArray(obj:any):Array<any>  
{ \n\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} \n\texport function  
assign(target: object, source: any): any { \n\t\tconst obj = target as
```

any;\n\tif (source) {\n\t\tfor (const key in source) {\n\t\t\tobj[key] = source[key];\n\t\t}\n\t}\n\treturn
obj;\n}","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","xl","toArray","addr","unicodeSupport","split","unknownHeaders","hfield","toAddrS"
,"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
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CountPlusOne","basicLength","stringFromCharCode","digitToBasic","q","floor","qMinusT","baseMinusT","t","k"
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f;WACQ,CAACF,OAAOzD,KAAP,CAAa0D,UAAb,CAAD,GAA4BC,GAA5B,GAACKF,MAA1C;;AAGD,IAAM
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YACMoB,KAAKH,iBAAiBG,EAAjB,GAAuBH,iBAAiBxB,IAAjB,GAAwBwB,iBAAiBxB,IAAjB,CAAsB+C,K
AAAtB,CAA4B,GAA5B,CAAxB,GAA2D,EAA7F;yBACiB/C,IAAjB,GAAwBH,SAAXB;YAEI2B,iBAAiBf,KAAR
B,EAA4B;gBACvBuC,iBAAiB,KAARb;gBACM3B,UAAwB,EAA9B;gBACM8B,UAAU3B,iBAAiBf,KAAjB,CA
AuBsC,KAAvB,CAA6B,GAA7B,CAAhB;iBAEK,IAAIInB,IAAI,CAAR,EAAWe,KAAKQ,QAAQvC,MAA7B,EA
AqCgB,IAAIe,EAAzC,EAA6C,EAAEf,CAA/C,EAAKD;oBAC3CqB,SAASE,QAAQvB,CAAR,EAAWmB,KAAAX
,CAAiB,GAAjB,CAAf;wBAEQE,OAAO,CAAP,CAAR;yBACM,IAAL;4BACOC,UAAUD,OAAO,CAAP,EAUU
F,KAAV,CAAgB,GAAhB,CAAhB;6BACK,IAAIInB,KAAI,CAAR,EAAWe,MAAKO,QAAQtC,MAA7B,EAAqCg

B,KAAIe,GAAzC,EAA6C,EAAEf,EAA/C,EAAkD;+BAC9Cf,IAAH,CAAQqC,QAAQtB,EAAR,CAAR;;;yBAGG, SAAL;yCACkBF,OAAjB,GAA2BS,kBAAkBc,OAAO,CAAP,CAAIB,EAA6BzD,OAA7B,CAA3B;;;yBAEI,MAA L;yCACkBiC,IAAjB,GAAwBU,kBAAkBc,OAAO,CAAP,CAAIB,EAA6BzD,OAA7B,CAAxB;;;yCAGiB,IAAjB;g CACQ2C,kBAAkBc,OAAO,CAAP,CAAIB,EAA6BzD,OAA7B,CAAR,IAAiD2C,kBAAkBc,OAAO,CAAP,CAAI B,EAA6BzD,OAA7B,CAAjD;;;gBAKcWd,cAAJ,EAAoBxB,iBAAiBH,OAAjB,GAA2BA,OAA3B;;;yBAGJZ,KA AjB,GAAyBZ,SAAzB;aAEK,IAAI+B,MAAI,CAAR,EAAWe,OAAKhB,GAAGf,MAAxB,EAAgCgB,MAAIe,IAA pC,EAAwC,EAAEf,GAA1C,EAA6C;gBACtCiB,OAAOIB,GAAGC,GAAH,EAAMmB,KAAH,CAAY,GAAZ,CA Ab;iBAEK,CAAL,IAAUZ,kBAAkBU,KAAK,CAAL,CAAIB,CAAV;gBAEI,CAACrD,QAAQsD,cAAAb,EAA6B;;o BAExB;yBACE,CAAL,IAAUb,SAASC,OAAT,CAAiBC,kBAAkBU,KAAK,CAAL,CAAIB,EAA2BrD,OAA3B,E AAoCD,WAApC,EAAjB,CAAV;iBADD,CAEE,OAAOyC,CAAP,EAAU;qCACMvC,KAAjB,GAAyB+B,iBAAiB /B,KAAjB,IAA0B,6EAA6EuC,CAAhI;;aALF,MAOO;qBACD,CAAL,IAAUG,kBAAkBU,KAAK,CAAL,CAAIB, EAA2BrD,OAA3B,EAAoCD,WAApC,EAAV;;eAGEqC,GAAH,IAAQiB,KAAKIC,IAAL,CAAU,GAAV,CAAR;; eAGMa,gBAAP;KA5DkD;eA+DvC,sBAAUA,gBAAV,EAA6ChC,OAA7C,EAAb;YACQe,aAAaiB,gBAAnB;YA CMG,KAAKiB,QAAQpB,iBAAiBG,EAAzB,CAAX;YACIA,EAAJ,EAAQ;iBACF,IAAIC,IAAI,CAAR,EAAWe, KAAKhB,GAAGf,MAAxB,EAAgCgB,IAAIe,EAAPC,EAAwC,EAAEf,CAA1C,EAA6C;oBACtCS,SAASK,OAA Of,GAAGC,CAAH,CAAP,CAAF;oBACMW,QAAQF,OAAOI,WAAp,CAAmB,GAAnB,CAAd;oBACMZ,YAAaQ ,OAAOC,KAAP,CAAa,CAAb,EAAgBC,KAAhB,CAAD,CAAYBxB,OAAzB,CAAiCC,WAAjC,EAA8CC,gBAA9 C,EAAgEF,OAAhE,CAAwEC,WAAxE,EAAqFE,WAArF,EAAkGH,OAAIG,CAA0GyB,cAA1G,EAA0HpB,UAA 1H,CAAIB;oBACIU,SAASO,OAAOC,KAAP,CAAaC,QAAQ,CAArB,CAAb;;oBAGI;6BACO,CAAC/C,QAAQu C,GAAT,GAAeE,SAASC,OAAT,CAAiBC,kBAAkBL,MAAIB,EAA0BtC,OAA1B,EAAMCD,WAAAnC,EAAjB,C AAF,GAAoF0C,SAASG,SAAT,CAAmBN,MAAnB,CAA9F;iBADD,CAEE,OAAOE,CAAP,EAAU;+BACAvC,K AAX,GAAMbC,WAAWd,KAAx,IAAoB,0DAA0D,CAACD,QAAQuC,GAAT,GAAe,OAaf,GAAyB,SAANf,IAA gG,iBAAhG,GAAoHC,CAA3J;;mBAGEJ,CAAH,IAAQC,YAAY,GAAZ,GAakBC,MAA1B;;uBAGU9B,IAAX,G AAKB2B,GAAGhB,IAAH,CAAQ,GAAR,CAAIB;;YAGKU,UAAUG,iBAAiBH,OAAjB,GAA2BG,iBAAiBH,OA AjB,IAA4B,EAAvE;YAEIG,iBAAiBE,OAARb,EAA8BL,QAAQ,SAAR,IAAqBG,iBAAiBE,OAAtC;YAC1BF,iB AAIbC,IAArB,EAA2BJ,QAAQ,MAAR,IAAkBG,iBAAiBC,IAAnC;YAErBf,SAAS,EAAf;aACK,IAAMI,IAAX,I AAmBO,OAAnB,EAA4B;gBACvBA,QAAQP,IAAR,MAAkBS,EAAET,IAAF,CAAtB,EAA+B;uBACvBD,IAAP, CACCC,KAAKC,OAAL,CAAaC,WAAAb,EAA0BC,gBAA1B,EAA4CF,OAA5C,CAAoDC,WAApD,EAAiEE,WA AjE,EAA8EH,OAA9E,CAAsFI,UAAtF,EAAkGC,UAAIG,IACA,GADA,GAEAC,QAAQP,IAAR,EAACc,OAAd, CAAsBC,WAAtB,EAAmCC,gBAAnC,EAAqDF,OAARd,CAA6DC,WAA7D,EAA0EE,WAA1E,EAAuFH,OAAv F,CAA+FO,WAA/F,EAA4GF,UAA5G,CAHD;;;YAOEV,OAAOE,MAAX,EAAMb;uBACPH,KAAx,GAAMbC, OAAOC,IAAP,CAAY,GAAZ,CAAnB;;eAGMJ,UAAP;;CAzGF,CA6GA;;ADnKA,IAAMC,YAAY,iBAAiB;AAC A,AAEA;ACA,IAAMV,YAAqD;YACjD,KADiD;WAGID,kBAAUS,UAAV,EAAoCf,OAAPC,EAAT;YACQc,U AAUC,WAAWP,IAAX,IAAmBO,WAAWP,IAAX,CAAgBL,KAAhB,CAAsBa,SAAtB,CAAnC;YACIpB,gBAAg BmB,UAApB;YAEID,OAAJ,EAAa;gBACNvB,SAASS,QAAQT,MAAR,IAAkBK,cAAcL,MAAhC,IAA0C,KAAz D;gBACMkB,MAAMK,QAAQ,CAAR,EAAWf,WAAx,EAAZ;gBACMF,MAAMiB,QAAQ,CAAR,CAAZ;gBAC MF,YAAerB,MAAf,UAAyBS,QAAQS,GAAR,IAAeA,GAAXC,CAAN;gBACMC,gBAAgBrB,QAAQuB,SAAR,C AAtB;0BAECh,GAAd,GAAoBA,GAAPB;0BACcZ,GAAd,GAAoBA,GAAPB;0BACcW,IAAd,GAAqBH,SAARb; gBAEIK,aAAJ,EAAmB;gCACFA,cAAcG,KAAAd,CAAoBjB,aAAPB,EAAMCI,OAAnC,CAAhB;;SAZF,MAcO;0B ACQC,KAAAd,GAAsBL,cAAcK,KAAAd,IAAuB,wBAA7C;;eAGML,aAAP;KAZByD;eA4B9C,sBAAUA,aAAV,EA AuCI,OAAvC,EAAb;YACQT,SAASS,QAAQT,MAAR,IAAkBK,cAAcL,MAAhC,IAA0C,KAAzD;YACMkB,MA AMb,cAAca,GAA1B;YACMG,YAAerB,MAAf,UAAyBS,QAAQS,GAAR,IAAeA,GAAXC,CAAN;YACMC,gBA AgBrB,QAAQuB,SAAR,CAAtB;YAEIF,aAAJ,EAAmB;4BACFA,cAAcC,SAAd,CAAwBf,aAAxB,EAAuCI,OA AvC,CAAhB;;YAGKO,gBAAgBX,aAAtB;YACMC,MAAMD,cAAcC,GAA1B;sBACcW,IAAd,IAAwBC,OAAOT, QAAQS,GAAvC,UAA8CZ,GAA9C;eAEOU,aAAP;;CA1CF,CA8CA;;AD5DA,IAAMH,OAAO,0DAAb;ACA,A AEA;ACA,IAAME,YAAsE;YACIE,UADkE;WAGnE,eAAUV,aAAV,EAAuCI,OAAvC,EAAT;YACQF,iBAAiB F,aAAvB;uBACeN,IAAf,GAAsBQ,eAAeD,GAARc;uBACeA,GAaf,GAAqBQ,SAARb;YAEI,CAACL,QAAQE,Q AAT,KAAsB,CAACJ,eAAeR,IAAhB,IAAwB,CAACQ,eAAeR,IAAf,CAAoBa,KAApB,CAA0BC,IAA1B,CAA/C,

CAAJ,EAAqF;2BACrEH,KAAf,GAAuBH,eAAeG,KAAf,IAAwB,oBAA/C;;eAGMH,cAAP;KAZ0E;eAe/D,mBA
AUA,cAAV,EAAyCE,OAAzC,EAAb;YACQJ,gBAAgBE,cAAAtB;;sBAEcD,GAAd,GAAoB,CAACC,eAAeR,IAAf
,IAAuB,EAAxB,EAA4BS,WAA5B,EAApB;eACOH,aAAP;;CAhBF,CAuBA;;ADhCAP,QAAQM,QAAKJ,MAAb,
IAAuBI,OAAvB;AAEA,AACAN,QAAQK,UAMMH,MAAd,IAAwBG,SAAxB;AAEA,AACAL,QAAQI,UAAOF,
MAAf,IAAyBE,SAAzB;AAEA,AACAJ,QAAQG,UAAID,MAAZ,IAAsBC,SAAAtB;AAEA,AACAH,QAAQC,UA
AKC,MAAb,IAAuBD,SAAvB,CAEA;;;;;;;;;;;;;;"}
}

Found

in path(s):

```
* /opt/cola/permits/1110634955_1606918997.92/0/garycourt-uri-js-4-2-2-0-g4f6f600-1-tar-gz/garycourt-uri-js-4f6f600/dist/es5/uri.all.js.map
```

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

```
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 */"
```

```
  }
```

Found in path(s):

* /opt/cola/permits/1110634955_1606918997.92/0/garycourt-uri-js-4-2-2-0-g4f6f600-1-tar-gz/garycourt-uri-js-4f6f600/rollup.config.js

1.424 postcss 6.0.23

1.424.1 Available under license :

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1.425 minimist 1.2.0

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1.426 css-selector-tokenizer 0.7.1

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1.427 json-schema-traverse 0.4.1

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1.428 fast-json-stable-stringify 2.0.0

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1.429 postcss-modules-values 1.3.0

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1.430 regexpu-core 1.0.0

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1.431 postcss-modules-local-by-default 1.2.0

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1.432 postcss-modules-scope 1.1.0

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1.433 ansi-styles 3.2.1

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1.434 color-name 1.1.3

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1.435 color-convert 1.9.1

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1.436 python-dateutil 2.8.1

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dateutil - Extensions to the standard Python datetime module.

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1.437 supports-color 5.3.0

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1.438 schema-utils 0.4.7

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1.440 postcss-value-parser 3.3.0

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1.441 jsonschema 3.0.1

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1.442 icss-utils 2.1.0

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1.443 fsevents 1.1.3

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1.444 fastparse 1.1.1

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1.445 ajv-keywords 3.4.0

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1.446 is-primitive 2.0.0

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1.448 chalk 2.3.2

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1.449 pyrsistent 0.15.6

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1.450 style-loader 0.21.0

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1.451 css-loader 1.0.1

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1.452 is-glob 2.0.1

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1.453 css-selector-tokenizer 0.7.0

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1.454 pcre 8.44

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1.455 postgresql 12.2

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1.456 libxml 2.9.10

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1.457 procps 3.3.15

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1.458 ajv 6.10.0

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1.469 supports-color 5.5.0

1.469.1 Available under license :

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1.470 chalk 2.4.2

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1.471 cssesc 0.1.0

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