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Contents

1.1 coveragepy 5.5
   1.1.1 Available under license
1.2 soupsieve 2.2.1
   1.2.1 Available under license
1.3 xmljson 0.2.1
   1.3.1 Available under license
1.4 dns-python 2.1.0
   1.4.1 Available under license
1.5 libgcrypt 1.9.3
   1.5.1 Available under license
1.6 util-linux 2.36.1-r1
   1.6.1 Available under license
1.7 libtasn 4.17.0-r0
   1.7.1 Available under license
1.8 attrs 21.2.0
   1.8.1 Available under license
1.9 scp-py 0.13.4
   1.9.1 Available under license
1.10 pip 21.1.1
   1.10.1 Available under license
1.11 packaging 20.9
   1.11.1 Available under license
1.12 expat 2.4.1
   1.12.1 Available under license
1.13 jinja2 3.0.1
   1.13.1 Available under license
1.14 apipkg 1.5
  1.14.1 Available under license
1.15 pycodestyle 2.7.0
  1.15.1 Available under license
1.16 antiorm 1.2.1
  1.16.1 Available under license
1.17 brotli 1.0.9-r5
  1.17.1 Available under license
1.18 cython 0.29.23
  1.18.1 Available under license
1.19 wheel 0.36.2
  1.19.1 Available under license
1.20 greenlet 1.1.0
  1.20.1 Available under license
1.21 libtirpc 1.3.1-r0
  1.21.1 Available under license
1.22 flask-session 0.4.0
  1.22.1 Available under license
1.23 visual-studio-runtime 14.00.24210.0
  1.23.1 Available under license
1.24 blinker 1.4
  1.24.1 Available under license
1.25 cffi 1.14.5
  1.25.1 Available under license
1.26 beautiful-soup 4.9.3
  1.26.1 Available under license
1.27 pax-utils 1.3.2-r0
  1.27.1 Available under license
1.28 urllib3 1.26.5
  1.28.1 Available under license
1.29 pyyaml 5.4.1
  1.29.1 Available under license
1.30 itsdangerous 2.0.1
  1.30.1 Available under license
1.31 pip 21.0.1
  1.31.1 Available under license
1.32 mccabe 0.6.1
  1.32.1 Available under license
1.33 berkeley-db 0.1.1
1.33.1 Available under license
1.34 python-requests 2.26.0
1.34.1 Available under license
1.35 pkgconf 1.7.3-r0
1.35.1 Available under license
1.36 pyshark 0.4.3
1.36.1 Available under license
1.37 tre 0.8.0
1.37.1 Available under license
1.38 werkzeug 2.0.1
1.38.1 Available under license
1.39 flask-login 0.5.0
1.39.1 Available under license
1.40 visitor 0.1.3
1.40.1 Available under license
1.41 bash 5.1.0-r0
1.41.1 Available under license
1.42 iniconfig 1.1.1
1.42.1 Available under license
1.43 flake 3.9.2
1.43.1 Available under license
1.44 pyflakes 2.3.1
1.44.1 Available under license
1.45 spdylay 1.4.0
1.45.1 Available under license
1.46 pkgconf 1.7.4-r0
1.46.1 Available under license
1.47 perl 5.32.1-r0
1.47.1 Available under license
1.48 flask 2.0.1
1.48.1 Available under license
1.49 python-dateutil 2.8.2
1.49.1 Available under license
1.50 markupsafe 2.0.1
1.50.1 Available under license
1.51 pytest-cov 2.12.1
1.51.1 Available under license
1.52 cachelig 0.2.0
1.52.1 Available under license
1.53 pystache 0.5.4
   1.53.1 Available under license
1.54 bump2version 1.0.1
   1.54.1 Available under license
1.55 musl 1.2.2-r3
   1.55.1 Available under license
1.56 certifi 2021.5.30
   1.56.1 Available under license
1.57 wireshark 3.4.6-r0
   1.57.1 Available under license
1.58 sqlalchemy 1.4.21
   1.58.1 Available under license
1.59 libcap 2.46-r0
   1.59.1 Available under license
1.60 libxslt 1.1.34-r0
   1.60.1 Available under license
1.61 bcrypt 3.2.0
   1.61.1 Available under license
1.62 tre 1.0
   1.62.1 Available under license
1.63 libtasn 4.16.0-r1
   1.63.1 Available under license
1.64 bzip2 1.0.8-r1
   1.64.1 Available under license
1.65 pytest 6.2.4
   1.65.1 Available under license
1.66 click 8.0.1
   1.66.1 Available under license
1.67 libffi 3.3-r2
   1.67.1 Available under license
1.68 flask-migrate 3.0.1
   1.68.1 Available under license
1.69 nghttp2 1.43.0-r0
   1.69.1 Available under license
1.70 pcre 8.44-r0
   1.70.1 Available under license
1.71 wheel 0.35.1
   1.71.1 Available under license
1.72 wtforms 2.3.3
1.72.1 Available under license

**1.73 coverage 5.5**
1.73.1 Available under license

**1.74 numpy 1.21.1**
1.74.1 Available under license

**1.75 brotli 1.0.9-r3**
1.75.1 Available under license

**1.76 alembic 1.6.5**
1.76.1 Available under license

**1.77 c-ares 1.17.1-r1**
1.77.1 Available under license

**1.78 libverto 0.3.1-r1**
1.78.1 Available under license

**1.79 ca-certificates 20191127-r5**
1.79.1 Available under license

**1.80 scapy 2.4.5**
1.80.1 Available under license

**1.81 pyparsing 2.4.7**
1.81.1 Available under license

**1.82 bridgeutils 1.7.1**
1.82.1 Available under license

**1.83 lua 5.4.3**
1.83.1 Available under license

**1.84 xmlformatter 0.2.3**
1.84.1 Available under license

**1.85 pyrsistent 0.18.0**
1.85.1 Available under license

**1.86 alpine-baselayout 3.2.0-r16**
1.86.1 Available under license

**1.87 libgpg-error 1.42-r0**
1.87.1 Available under license

**1.88 cryptography 3.3.2**
1.88.1 Available under license

**1.89 flask-debugtoolbar 0.11.0**
1.89.1 Available under license

**1.90 db-sqlite3 0.0.1**
1.90.1 Available under license

**1.91 glib 2.68.2-r0**
1.91.1 Available under license
1.92 krb5-conf 1.0-r2
  1.92.1 Available under license
1.93 libretls 3.3.3-r2
  1.93.1 Available under license
1.94 six 1.16.0
  1.94.1 Available under license
1.95 expat 2.4.1-r0
  1.95.1 Available under license
1.96 make 4.3-r0
  1.96.1 Available under license
1.97 pip 20.2.3
  1.97.1 Available under license
1.98 alpine-keys 2.3-r1
  1.98.1 Available under license
1.99 gettext 0.21-r0
  1.99.1 Available under license
1.100 gnutls 3.7.2
  1.100.1 Available under license
1.101 cython 0.29.24
  1.101.1 Available under license
1.102 heimdal 7.7.0-r1
  1.102.1 Available under license
1.103 cython 3.0a5
  1.103.1 Available under license
1.104 charset-normalizer 2.0.3
  1.104.1 Available under license
1.105 python-setuptools 49.2.1
  1.105.1 Available under license
1.106 asyncio 3.4.3
  1.106.1 Available under license
1.107 busybox 1.33.1-r3
  1.107.1 Available under license
1.108 smmap 4.0.0
  1.108.1 Available under license
1.109 python-setuptools 54.1.2
  1.109.1 Available under license
1.110 pyyaml 5.4.1-1.ph4
  1.110.1 Available under license
1.111 pynacl 1.4.0
1.111.1 Available under license
1.112 musl 1.2.2-r0
  1.112.1 Available under license
1.113 flask-wtf 0.15.1
  1.113.1 Available under license
1.114 scp 0.13.4
  1.114.1 Available under license
1.115 python 3.9.5
  1.115.1 Available under license
1.116 glib 2.66.8-r0
  1.116.1 Available under license
1.117 invoke 1.5.0
  1.117.1 Available under license
1.118 e2fsprogs 1.46.2-r0
  1.118.1 Available under license
1.119 idna 3.2
  1.119.1 Available under license
1.120 gettext 0.20.2-r2
  1.120.1 Available under license
1.121 util-linux 2.37-r0
  1.121.1 Available under license
1.122 libgcrypt 1.9.3-r0
  1.122.1 Available under license
1.123 jsonconverter 1.0.3
  1.123.1 Available under license
1.124 python-requests 2.25.1
  1.124.1 Available under license
1.125 zlib 1.2.11
  1.125.1 Available under license
1.126 pytz 2021.1
  1.126.1 Available under license
1.127 ncurses 6.2_p20210109-r0
  1.127.1 Available under license
1.128 pax-utils 1.2.8-r0
  1.128.1 Available under license
1.129 flask-table 0.5.0
  1.129.1 Available under license
1.130 paramiko 2.7.2
  1.130.1 Available under license
1.131 dominate 2.6.0
   1.131.1 Available under license
1.132 python-setuptools 49.1.3
   1.132.1 Available under license
1.133 email-validator 1.1.3
   1.133.1 Available under license
1.134 pip 21.1.2
   1.134.1 Available under license
1.135 docutils 0.17.1
   1.135.1 Available under license
1.136 apk-tools 2.12.1-r0
   1.136.1 Available under license
1.137 python-setuptools 57.4.0
   1.137.1 Available under license
1.138 zlib 1.2.11 r3
   1.138.1 Available under license
1.139 libxslt 1.1.34-r1
   1.139.1 Available under license
1.140 readline 8.1.0-r0
   1.140.1 Available under license
1.141 apk-tools 2.12.5-r1
   1.141.1 Available under license
1.142 bridgeutils 1.0
   1.142.1 Available under license
1.143 p11-kit 0.23.22-r0
   1.143.1 Available under license
1.144 flask-hashing 1.1
   1.144.1 Available under license
1.145 python-setuptools 57.0.0
   1.145.1 Available under license
1.146 libunistring 0.9.10-r0
   1.146.1 Available under license
1.147 busybox 1.33.1
   1.147.1 Available under license
1.148 xz 5.2.5-r0
   1.148.1 Available under license
1.149 sqlite 3.34.1-r0
   1.149.1 Available under license
1.150 csvdiff 0.3.3
<table>
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<th>Version</th>
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<th>Version</th>
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<td>kerberos 1.18.3-r1</td>
<td></td>
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<td>gdbm 1.19-r0</td>
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<tr>
<td>1.166</td>
<td>musl 1.2.2-r1</td>
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<td>1.166.1</td>
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</tr>
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<td>1.167.1</td>
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</tr>
<tr>
<td>1.168</td>
<td>chardet 4.0.0</td>
<td></td>
</tr>
<tr>
<td>1.168.1</td>
<td>Available under license</td>
<td></td>
</tr>
<tr>
<td>1.169</td>
<td>python-certifi 2021.5.30</td>
<td></td>
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<tr>
<td>1.169.1</td>
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<td></td>
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<td>1.170</td>
<td>gmp 6.2.1-r0</td>
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<tr>
<td>Version</td>
<td>Package</td>
<td>Version</td>
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<td>1.171.1</td>
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<td>1.172.1</td>
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<td>libunistring 0.9.10-r1</td>
<td>1.173.1</td>
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<td>gitdb 4.0.7</td>
<td>1.174.1</td>
</tr>
<tr>
<td>1.175</td>
<td>nettle 3.7.2-r0</td>
<td>1.175.1</td>
</tr>
<tr>
<td>1.176</td>
<td>numpy 1.19.3</td>
<td>1.176.1</td>
</tr>
<tr>
<td>1.177</td>
<td>lxml 4.6.3</td>
<td>1.177.1</td>
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<td>1.178</td>
<td>jsonschema 3.2.0</td>
<td>1.178.1</td>
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<td>1.179.1</td>
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<td>1.180</td>
<td>parameterized 0.8.1</td>
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<td>1.181.1</td>
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<td>1.182.1</td>
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<td>pandas 1.3.0</td>
<td>1.183.1</td>
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<td>1.184.1</td>
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<tr>
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<td>1.185.1</td>
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<td>1.186.1</td>
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<td>gitpython 3.1.18</td>
<td>1.187.1</td>
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<td>libsodium 1.0</td>
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<td>libnl3 3.5.0-r0</td>
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</table>
1.189.1 Available under license
1.190 libxml 2.9.12-r1
1.190.1 Available under license
1.191 flask-babel 2.0.0
1.191.1 Available under license
1.192 watch-dog 2.1.3
1.192.1 Available under license
1.193 libtls-standalone 2.9.1-r1
1.193.1 Available under license
1.194 python-setuptools 54.0.0
1.194.1 Available under license
1.195 urllib3 1.26.6
1.195.1 Available under license
1.196 flask-testing 0.8.1
1.196.1 Available under license
1.197 toml 0.10.2
1.197.1 Available under license
1.198 alpine-baselayout 3.2.0-r8
1.198.1 Available under license
1.199 pluggy 0.13.1
1.199.1 Available under license
1.200 libnsl 1.3.0-r0
1.200.1 Available under license
1.201 robotframework 4.0.3
1.201.1 Available under license
1.202 tzdata 2021a-r0
1.202.1 Available under license
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1.203.1 Available under license
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1.6 util-linux 2.36.1-r1
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NR START   END SECTORS SIZE NAME UUID
1    32  7679    7648 3.7M      8f8378c0-01
2  7680 16383    8704 4.3M      8f8378c0-02
5  7936 12799    4864 2.4M
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A. HISTORY OF THE SOFTWARE
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Open Source Used In VNTAF 0.0.71 133
Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python’s principal author, although it includes many contributions from others.

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

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

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

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A. HISTORY OF THE SOFTWARE

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

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

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

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

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

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

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1.13 jinja2 3.0.1
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Metadata-Version: 2.1
Name: Jinja2
Version: 3.0.1
Summary: A very fast and expressive template engine.
Home-page: https://palletsprojects.com/p/jinja/
Author: Armin Ronacher
Author-email: armin.ronacher@active-4.com
Maintainer: Pallets
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Project-URL: Changes, https://jinja.palletsprojects.com/changes/
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Description: Jinja

=====

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

It includes:

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

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

Installing

----------

Install and update using `pip`:

.. code-block:: text
$ pip install -U Jinja2


In A Nutshell
-------------

.. code-block:: jinja

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

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------

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

Links
-----

- Documentation: https://jinja.palletsprojects.com/
- Changes: https://jinja.palletsprojects.com/changes/
- PyPI Releases: https://pypi.org/project/Jinja2/
- Source Code: https://github.com/pallets/jinja/
- Issue Tracker: https://github.com/pallets/jinja/issues/
- Website: https://palletsprojects.com/p/jinja/
- Twitter: https://twitter.com/PalletsTeam
- Chat: https://discord.gg/pallets

Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Environment :: Web Environment
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: BSD License
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python
Classifier: Topic :: Internet :: WWW/HTTP :: Dynamic Content
Classifier: Topic :: Text Processing :: Markup :: HTML
Requires-Python: >=3.6
Description-Content-Type: text/x-rst
Provides-Extra: i18n

Found in path(s):
* /opt/cola/permits/1166437412_1621420347.71/0/jinja2-3-0-1-tar-gz/Jinja2-3.0.1/src/Jinja2.egg-info/PKG-INFO
* /opt/cola/permits/1166437412_1621420347.71/0/jinja2-3-0-1-tar-gz/Jinja2-3.0.1/LICENSE.rst

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[metadata]
name = Jinja2
version = attr: jinja2.__version__
url = https://palletsprojects.com/p/jinja/
project_urls =
  Donate = https://palletsprojects.com/donate
  Documentation = https://jinja.palletsprojects.com/
  Changes = https://jinja.palletsprojects.com/changes/
  Source Code = https://github.com/pallets/jinja/
  Issue Tracker = https://github.com/pallets/jinja/issues/
  Twitter = https://twitter.com/PalletsTeam
  Chat = https://discord.gg/pallets
license = BSD-3-Clause
license_files = LICENSE.rst
author = Armin Ronacher
author_email = armin.ronacher@active-4.com
maintainer = Pallets
maintainer_email = contact@palletsprojects.com
description = A very fast and expressive template engine.
long_description = file: README.rst
long_description_content_type = text/x-rst
classifiers =
  Development Status :: 5 - Production/ Stable
  Environment :: Web Environment
  Intended Audience :: Developers
  License :: OSI Approved :: BSD License
  Operating System :: OS Independent
  Programming Language :: Python
  Topic :: Internet :: WWW/ HTTP :: Dynamic Content
  Topic :: Text Processing :: Markup :: HTML

[options]
packages = find:
package_dir = = src
include_package_data = true
python_requires = >= 3.6

[options.packages.find]
where = src

[options.entry_points]
babel.extractors =
jinja2 = jinja2.ext:babel_extract[i18n]

[tool:pytest]
testpaths = tests
filterwarnings =
error
[coverage:run]
branch = True
source =
jinja2
tests

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

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

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

[mypy-jinja2.defaults]
no_implicit_reexport = False

[mypy-markupsafe]
no_implicit_reexport = False

[egg_info]
tag_build =
1.14 apipkg 1.5
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1.16 antIorm 1.2.1

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55. TypeScript-TmLanguage version 0.1.8 (https://github.com/Microsoft/TypeScript-TmLanguage)
56. vscode-swift version 0.0.1 (https://github.com/owensd/vscode-swift)

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# Contributions to the urllib3 project

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## Contributors

In chronological order:

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

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

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

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

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

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

* georgemarshall <https://github.com/georgemarshall>  
* Bugfixes, Improvements and Test coverage
* Thomas Kluyver <thomas@kluyver.me.uk>
  * Python 3 support

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

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

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

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

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

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

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

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

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

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

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

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

* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
  * Added HTTPS (CONNECT) proxy support
* Stephen Holsapple <sholsapp@gmail.com>
  * Added abstraction for granular control of request fields

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

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

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

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

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

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

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

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

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

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

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

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

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

* Aaron Meurer <asmeurer@gmail.com>
  * Added Url.url, which unparses a Url
* Evgeny Kapun <abacabadabacaba@gmail.com>
  * Bugfixes

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

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

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

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

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

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

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

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

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

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

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

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

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

* Adam Talsma <https://github.com/a-tal>
  * Bugfix to ca_cert file paths.
* Evan Meagher <https://evanmeagher.net>
  * Bugfix related to `memoryview` usage in PyOpenSSL adapter

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

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

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

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

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

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

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

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

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

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

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

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

* Tom White <s6yg1ez3@mail2tor.com>
  * Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.
* Tim Burke <tim.burke@gmail.com>
  * Stop buffering entire deflate-encoded responses.

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

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

* 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 `urlib2.urlopen().geturl()` behavior

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

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

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

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

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

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

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

* Jorge Lopez Silva <https://github.com/jalopezsilva>
* Added support for forwarding requests through HTTPS proxies.

* Benno Rice <benno@jeamland.net>
* Allow cadata parameter to be passed to underlying `SSLContext.load_verify_locations()`.

* Keiichi Kobayashi <abok.1k@gmail.com>
* Rename VerifiedHTTPSConnection to HTTPSConnection

* Himanshu Garg <garg_himanshu@outlook.com>
* DOC & LICENSE Update

* Hod Bin Noon <bin.noon.hod@gmail.com>
* Test improvements

* Chris Olufson <tycarac@gmail.com>
* Fix for connection not being released on HTTP redirect and response not preloaded

* [Bastiaan Bakker] <https://github.com/bastiaanb>
* Support for logging session keys via environment variable `SSLKEYLOGFILE` (Python 3.8+)

* [Ezzeri Esa] <https://github.com/savarin>
* Ports and extends on types from typeshed

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

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- Wichert Akkerman, 2012/02/02
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python’s
principal author, although it includes many contributions from others.

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

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

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

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ca-bundle.crt -- Bundle of CA Root Certificates
Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla’s root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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    import os
    from setuptools import setup, find_packages

    with open(os.path.join(os.path.dirname(__file__), 'README.txt')) as f:
        long_description = f.read()
setup(
    name="pyshark",
    version="0.4.3",
    packages=find_packages(),
    package_data={"": ["*.ini", '*.pcapng"]},
    install_requires=['lxml', 'py'],
    tests_require=['pytest'],
    url="https://github.com/KimiNewt/pyshark",
    long_description=long_description,
    author="KimiNewt",
    description="Python wrapper for tshark, allowing python packet parsing using wireshark dissectors",
    keywords="wireshark capture packets parsing packet",

classifiers=[
    'License :: OSI Approved :: MIT License',
    'Programming Language :: Python :: 3.5',
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],
)

Found in path(s):
* /opt/cola/permits/1175627194_1624438954.89/0/pyshark-0-4-3-tar-gz/pyshark-0.4.3/setup.py
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Metadata-Version: 1.1
Name: pyshark
Version: 0.4.3
Summary: Python wrapper for tshark, allowing python packet parsing using wireshark dissectors
Home-page: https://github.com/KimiNewt/pyshark
Author: KimiNewt
Author-email: UNKNOWN
License: UNKNOWN
Description: Python wrapper for tshark, allowing python packet parsing using wireshark dissectors.

See https://github.com/KimiNewt/pyshark/ for documentation.

Keywords: wireshark capture packets parsing packet
Platform: UNKNOWN
Classifier: License :: OSI Approved :: MIT License
Classifier: Programming Language :: Python :: 3.5
Classifier: Programming Language :: Python :: 3.6
Classifier: Programming Language :: Python :: 3.7
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1.37 tre 0.8.0

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1.38 werkzeug 2.0.1

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**1.40 visitor 0.1.3**

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.. currentmodule:: flask

Blog Blueprint
==============

You'll use the same techniques you learned about when writing the authentication blueprint to write the blog blueprint. The blog should list all posts, allow logged in users to create posts, and allow the author of a post to edit or delete it.

As you implement each view, keep the development server running. As you save your changes, try going to the URL in your browser and testing them out.

The Blueprint
-------------

Define the blueprint and register it in the application factory.

```
from flask import (Blueprint, flash, g, redirect, render_template, request, url_for)
from werkzeug.exceptions import abort
from flaskr.auth import login_required
from flaskr.db import get_db

bp = Blueprint('blog', __name__)
```
Import and register the blueprint from the factory using `meth:` app.register_blueprint() `Flask.register_blueprint`\. Place the new code at the end of the factory function before returning the app.

```python
def create_app():
    app = ...  
    # existing code omitted

    from . import blog
    app.register_blueprint(blog.bp)
    app.add_url_rule('/', endpoint='index')

    return app
```

Unlike the auth blueprint, the blog blueprint does not have a `url_prefix`. So the `index` view will be at `/`, the `create` view at `/create`, and so on. The blog is the main feature of Flaskr, so it makes sense that the blog index will be the main index.

However, the endpoint for the `index` view defined below will be `blog.index`. Some of the authentication views referred to a plain `index` endpoint. `meth:` app.add_url_rule() `Flask.add_url_rule` associates the endpoint name `index` with the `/` url so that `url_for('index')` or `url_for('blog.index')` will both work, generating the same `/` URL either way.

In another application you might give the blog blueprint a `url_prefix` and define a separate `index` view in the application factory, similar to the `hello` view. Then the `index` and `blog.index` endpoints and URLs would be different.

Index
-----

The index will show all of the posts, most recent first. A `JOIN` is used so that the author information from the `user` table is available in the result.

```python
@bp.route('/')
def index():
```
db = get_db()
posts = db.execute(
    'SELECT p.id, title, body, created, author_id, username'
    'FROM post p JOIN user u ON p.author_id = u.id'
    ' ORDER BY created DESC'
).fetchall()
return render_template('blog/index.html', posts=posts)

.. code-block:: html+jinja
:caption: `flaskr/templates/blog/index.html`

{% extends 'base.html' %}
{% block header %}
<h1>{{ block.title || 'Posts' }}</h1>
{% if g.user %}
<a class="action" href="{{ url_for('blog.create') }}">New</a>
{% endif %}
{% endblock %}

{% block content %}
{% for post in posts %}
<article class="post">
<header>
<div>
<h1>{{ post['title'] }}</h1>
<div class="about">by {{ post['username'] }} on {{ post['created'].strftime('%Y-%m-%d') }}</div>
{% if g.user['id'] == post['author_id'] %}
<a class="action" href="{{ url_for('blog.update', id=post['id']) }}">Edit</a>
{% endif %}
</div>
</header>
<p class="body">{{ post['body'] }}</p>
{% if not loop.last %}
<hr>
{% endif %}
{% endfor %}
{% endblock %}

When a user is logged in, the `header` block adds a link to the `create` view. When the user is the author of a post, they'll see an "Edit" link to the `update` view for that post. `loop.last` is a special variable available inside `Jinja for loops`. It's used to display a line after each post except the last one, to visually separate them.

.. _Jinja for loops: https://jinja.palletsprojects.com/templates/#for
Create
------

The ``create`` view works the same as the auth ``register`` view. Either the form is displayed, or the posted data is validated and the post is added to the database or an error is shown.

The ``login_required`` decorator you wrote earlier is used on the blog views. A user must be logged in to visit these views, otherwise they will be redirected to the login page.

```python
@bp.route('/create', methods=('GET', 'POST'))
@login_required
def create():
    if request.method == 'POST':
        title = request.form['title']
        body = request.form['body']
        error = None
        if not title:
            error = 'Title is required.'
        if error is not None:
            flash(error)
        else:
            db = get_db()
            db.execute(
                'INSERT INTO post (title, body, author_id)
                VALUES (?, ?, ?)',
                (title, body, g.user['id'])
            )
            db.commit()
            return redirect(url_for('blog.index'))
    return render_template('blog/create.html')
```

```html+jinja
{% extends 'base.html' %}
{% block header %}
<h1>{% block title %}New Post{% endblock %}</h1>
{% endblock %}
```
Update
-----

Both the ``update`` and ``delete`` views will need to fetch a `post` by `id` and check if the author matches the logged in user. To avoid duplicating code, you can write a function to get the `post` and call it from each view.

```python
.. code-block:: python
   :caption: `flaskr/blog.py`

def get_post(id, check_author=True):
    post = get_db().execute(
        'SELECT p.id, title, body, created, author_id, username
         FROM post p JOIN user u ON p.author_id = u.id
         WHERE p.id = ?
         ',
        (id,)
    ).fetchone()

    if post is None:
        abort(404, f'Post id {id} doesn’t exist."

    if check_author and post[author_id] != g.user['id']:
        abort(403)

    return post
```

:func:`abort` will raise a special exception that returns an HTTP status code. It takes an optional message to show with the error, otherwise a default message is used. `'404` means "Not Found", and `'403` means "Forbidden". (`401` means "Unauthorized", but you redirect to the login page instead of returning that status.)

The `'check_author` argument is defined so that the function can be used to get a `post` without checking the author. This would be useful...
if you wrote a view to show an individual post on a page, where the user
doesn't matter because they're not modifying the post.

```python
@bp.route('/<int:id>/update', methods=('GET', 'POST'))
@login_required
def update(id):
    post = get_post(id)

    if request.method == 'POST':
        title = request.form['title']
        body = request.form['body']
        error = None

        if not title:
            error = 'Title is required.'

        if error is not None:
            flash(error)
        else:
            db = get_db()
            db.execute(
                'UPDATE post SET title = ?, body = ?
                WHERE id = ?
            ',
            (title, body, id)
            )
            db.commit()
            return redirect(url_for('blog.index'))

    return render_template('blog/update.html', post=post)

Unlike the views you've written so far, the `update` function takes
an argument, `id`. That corresponds to the `<int:id>` in the route.
A real URL will look like `/1/update`. Flask will capture the `1`,
ensure it's an `int`, and pass it as the `id` argument. If you
don't specify `int` and instead do `<id>`, it will be a string.
To generate a URL to the update page, :func:`url_for` needs to be passed
the `id` so it knows what to fill in:
`url_for('blog.update', id=post['id'])`. This is also in the
`index.html` file above.

The `create` and `update` views look very similar. The main
difference is that the `update` view uses a `post` object and an
`UPDATE` query instead of an `INSERT`. With some clever refactoring,
you could use one view and template for both actions, but for the
tutorial it's clearer to keep them separate.
{% extends 'base.html' %}

{% block header %}<h1>Edit "{{ post['title'] }}"{% endblock %}</h1>
{% endblock %}

{% block content %}<form method="post">
  <label for="title">Title</label>
  <input name="title" id="title" value="{{ request.form['title'] or post['title'] }}" required>
  <label for="body">Body</label>
  <textarea name="body" id="body">{{ request.form['body'] or post['body'] }}</textarea>
  <input type="submit" value="Save">
</form>

<hr>
<form action="{{ url_for('blog.delete', id=post['id']) }}" method="post">
  <input class="danger" type="submit" value="Delete" onclick="return confirm('Are you sure?');">
</form>
{% endblock %}

This template has two forms. The first posts the edited data to the current page (``<id>/update``). The other form contains only a button and specifies an `action` attribute that posts to the delete view instead. The button uses some JavaScript to show a confirmation dialog before submitting.

The pattern ```{{ request.form['title'] or post['title'] }}``` is used to choose what data appears in the form. When the form hasn't been submitted, the original `post` data appears, but if invalid form data was posted you want to display that so the user can fix the error, so `request.form` is used instead. :data:`request` is another variable that's automatically available in templates.

Delete
------

The delete view doesn't have its own template, the delete button is part of ``update.html`` and posts to the ``<id>/delete`` URL. Since there is no template, it will only handle the `POST` method and then redirect to the `index` view.
Congratulations, you've now finished writing your application! Take some time to try out everything in the browser. However, there's still more to do before the project is complete.

Continue to :doc:`install`.

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Flask Extension Development
============================

Flask, being a microframework, often requires some repetitive steps to get a third party library working. Many such extensions are already available on `PyPI`_.

If you want to create your own Flask extension for something that does not exist yet, this guide to extension development will help you get your extension running in no time and to feel like users would expect your extension to behave.

Anatomy of an Extension
-----------------------

Extensions are all located in a package called ``flask_something`` where "something" is the name of the library you want to bridge. So for example if you plan to add support for a library named `simplexml` to Flask, you would name your extension's package ``flask_simplexml``.

The name of the actual extension (the human readable name) however would be something like "Flask-SimpleXML". Make sure to include the name "Flask" somewhere in that name and that you check the capitalization. This is how users can then register dependencies to your extension in their :file:`setup.py` files.
But what do extensions look like themselves? An extension has to ensure that it works with multiple Flask application instances at once. This is a requirement because many people will use patterns like the :doc:`/patterns/appfactories` pattern to create their application as needed to aid unit tests and to support multiple configurations. Because of that it is crucial that your application supports that kind of behavior.

Most importantly the extension must be shipped with a :file:`setup.py` file and registered on PyPI. Also the development checkout link should work so that people can easily install the development version into their virtualenv without having to download the library by hand.

Flask extensions must be licensed under a BSD, MIT or more liberal license in order to be listed in the Flask Extension Registry. Keep in mind that the Flask Extension Registry is a moderated place and libraries will be reviewed upfront if they behave as required.

"Hello Flaskext!"

-------------

So let's get started with creating such a Flask extension. The extension we want to create here will provide very basic support for SQLite3.

First we create the following folder structure:

```
flask-sqlite3/
    flask_sqlite3.py
    LICENSE
    README
```

Here's the contents of the most important files:

```
setup.py
```

The next file that is absolutely required is the :file:`setup.py` file which is used to install your Flask extension. The following contents are something you can work with:

```

Flask-SQLite3

-------------

This is the description for that library
```

from setuptools import setup
```
setup(
    name='Flask-SQLite3',
    version='1.0',
    url='http://example.com/flask-sqlite3/',
    license='BSD',
    author='Your Name',
    author_email='your-email@example.com',
    description='Very short description',
    long_description=__doc__,
    py_modules=['flask_sqlite3'],
    # if you would be using a package instead use packages instead
    # of py_modules:
    # packages=['flask_sqlite3'],
    zip_safe=False,
    include_package_data=True,
    platforms='any',
    install_requires=[
        'Flask'
    ],
    classifiers=[
        'Environment :: Web Environment',
        'Intended Audience :: Developers',
        'License :: OSI Approved :: BSD License',
        'Operating System :: OS Independent',
        'Programming Language :: Python',
        'Topic :: Internet :: WWW/HTTP :: Dynamic Content',
        'Topic :: Software Development :: Libraries :: Python Modules'
    ]
)

That's a lot of code but you can really just copy/paste that from existing
extensions and adapt.

flask_sqlite3.py

```````````````

Now this is where your extension code goes. But how exactly should such
an extension look like? What are the best practices? Continue reading
for some insight.

Initializing Extensions

Initialization of extensions will need some kind of initialization step. For example,
consider an application that's currently connecting to SQLite like the
documentation suggests (:doc:`/patterns/sqlite3`). So how does the
extension know the name of the application object?
Quite simple: you pass it to it.

There are two recommended ways for an extension to initialize:

initialization functions:

If your extension is called `helloworld` you might have a function called `init_helloworld(app[, extra_args])` that initializes the extension for that application. It could attach before / after handlers etc.

classes:

Classes work mostly like initialization functions but can later be used to further change the behavior.

What to use depends on what you have in mind. For the SQLite 3 extension we will use the class-based approach because it will provide users with an object that handles opening and closing database connections.

When designing your classes, it’s important to make them easily reusable at the module level. This means the object itself must not under any circumstances store any application specific state and must be shareable between different applications.

The Extension Code

------------------

Here's the contents of the `flask_sqlite3.py` for copy/paste::

```python
import sqlite3
from flask import current_app, _app_ctx_stack

class SQLite3(object):
    def __init__(self, app=None):
        self.app = app
        if app is not None:
            self.init_app(app)

    def init_app(self, app):
        app.config.setdefault('SQLITE3_DATABASE', ':memory:)
        app.teardown_appcontext(self.teardown)

    def connect(self):
        return sqlite3.connect(current_app.config['SQLITE3_DATABASE'])
```
def teardown(self, exception):
    ctx = _app_ctx_stack.top
    if hasattr(ctx, 'sqlite3_db'):
        ctx.sqlite3_db.close()

@property
def connection(self):
    ctx = _app_ctx_stack.top
    if ctx is not None:
        if not hasattr(ctx, 'sqlite3_db'):
            ctx.sqlite3_db = self.connect()
        return ctx.sqlite3_db

So here's what these lines of code do:

1. The `__init__` method takes an optional app object and, if supplied, will call `init_app`.
2. The `init_app` method exists so that the `SQLite3` object can be instantiated without requiring an app object. This method supports the factory pattern for creating applications. The `init_app` will set the configuration for the database, defaulting to an in memory database if no configuration is supplied. In addition, the `init_app` method attaches the `teardown` handler.
3. Next, we define a `connect` method that opens a database connection.
4. Finally, we add a `connection` property that on first access opens the database connection and stores it on the context. This is also the recommended way to handling resources: fetch resources lazily the first time they are used.

Note here that we're attaching our database connection to the top application context via `_app_ctx_stack.top`. Extensions should use the top context for storing their own information with a sufficiently complex name.

So why did we decide on a class-based approach here? Because using our extension looks something like this:

```python
from flask import Flask
from flask_sqlite3 import SQLite3

app = Flask(__name__)
app.config.from_pyfile('the-config.cfg')
db = SQLite3(app)
```

You can then use the database from views like this:

```python
@app.route('/')
```
def show_all():
    cur = db.connection.cursor()
    cur.execute(...)

Likewise if you are outside of a request you can use the database by pushing an app context::

    with app.app_context():
        cur = db.connection.cursor()
        cur.execute(...)

At the end of the `with` block the teardown handles will be executed automatically.

Additionally, the `init_app` method is used to support the factory pattern for creating apps::

    db = SQLite3()
    # Then later on.
    app = create_app('the-config.cfg')
    db.init_app(app)

Keep in mind that supporting this factory pattern for creating apps is required for approved flask extensions (described below).

.. admonition:: Note on `init_app`

    As you noticed, `init_app` does not assign `app` to `self`. This is intentional! Class based Flask extensions must only store the application on the object when the application was passed to the constructor. This tells the extension: I am not interested in using multiple applications.

    When the extension needs to find the current application and it does not have a reference to it, it must either use the `:data:` `flask.current_app` context local or change the API in a way that you can pass the application explicitly.

Using `_app_ctx_stack`

--------------

In the example above, before every request, a `sqlite3_db` variable is assigned to `_app_ctx_stack.top`. In a view function, this variable is accessible using the `connection` property of `SQLite3`. During the teardown of a request, the `sqlite3_db` connection is closed. By using this pattern, the *same* connection to the sqlite3 database is accessible to anything that needs it for the duration of the request.
Learn from Others

-------------

This documentation only touches the bare minimum for extension development. If you want to learn more, it's a very good idea to check out existing extensions on the `PyPI`_. If you feel lost there is still the `mailinglist`_ and the `Discord server`_ to get some ideas for nice looking APIs. Especially if you do something nobody before you did, it might be a very good idea to get some more input. This not only generates useful feedback on what people might want from an extension, but also avoids having multiple developers working in isolation on pretty much the same problem.

Remember: good API design is hard, so introduce your project on the mailing list, and let other developers give you a helping hand with designing the API.

The best Flask extensions are extensions that share common idioms for the API. And this can only work if collaboration happens early.

Approved Extensions

-------------

Flask previously had the concept of approved extensions. These came with some vetting of support and compatibility. While this list became too difficult to maintain over time, the guidelines are still relevant to all extensions maintained and developed today, as they help the Flask ecosystem remain consistent and compatible.

0. An approved Flask extension requires a maintainer. In the event an extension author would like to move beyond the project, the project should find a new maintainer and transfer access to the repository, documentation, PyPI, and any other services. If no maintainer is available, give access to the Pallets core team.
1. The naming scheme is *Flask-ExtensionName* or *ExtensionName-Flask*. It must provide exactly one package or module named `flask_extension_name`.
2. The extension must be BSD or MIT licensed. It must be open source and publicly available.
3. The extension's API must have the following characteristics:
   - It must support multiple applications running in the same Python process. Use `current_app` instead of `self.app`, store configuration and state per application instance.
   - It must be possible to use the factory pattern for creating applications. Use the `ext.init_app()` pattern.
4. From a clone of the repository, an extension with its dependencies must be installable with ``pip install -e .``.

5. It must ship a testing suite that can be invoked with ``tox -e py`` or ``pytest``. If not using ``tox``, the test dependencies should be specified in a ``requirements.txt`` file. The tests must be part of the sdist distribution.

6. The documentation must use the ``flask`` theme from the `Official Pallets Themes`_. A link to the documentation or project website must be in the PyPI metadata or the readme.

7. For maximum compatibility, the extension should support the same versions of Python that Flask supports. 3.6+ is recommended as of 2020. Use ``python_requires=">= 3.6"`` in ``setup.py`` to indicate supported versions.

.. _PyPI: https://pypi.org/search/?c=Framework+%3A%3A+Flask
.. _mailinglist: https://mail.python.org/mailman/listinfo/flask
.. _Discord server: https://discord.gg/pallets
.. _Official Pallets Themes: https://pypi.org/project/Pallets-Sphinx-Themes/

Flask leverages Jinja2 as its template engine. You are obviously free to use

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1.49 python-dateutil 2.8.2

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[metadata]
name = cachelib
version = attr: cachelib.__version__
url = https://github.com/pallets/cachelib/
project_urls =
  Donate = https://palletsprojects.com/donate
  Documentation = https://cachelib.readthedocs.io/
  Changes = https://cachelib.readthedocs.io/changes/
  Source Code = https://github.com/pallets/cachelib/
Issue Tracker = https://github.com/pallets/cachelib/issues/
Twitter = https://twitter.com/PalletsTeam
Chat = https://discord.gg/pallets
license = BSD-3-Clause
license_files = LICENSE.rst
maintainer = Pallets
maintainer_email = contact@palletsprojects.com
description = A collection of cache libraries in the same API interface.
long_description = file: README.rst
long_description_content_type = text/x-rst
classifiers =
Development Status :: 5 - Production/Stable
Intended Audience :: Developers
License :: OSI Approved :: BSD License
Operating System :: OS Independent
Programming Language :: Python

[options]
packages = find:
package_dir = = src
include_package_data = true
python_requires = >= 3.6

[options.packages.find]
where = src

[tool:pytest]
testpaths = tests
filterwarnings =
error
default::DeprecationWarning:cachelib.uwsgi

[coverage:run]
branch = True
source =
cachelib
tests

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

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

[egg_info]
tag_build =
tag_date = 0

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Metadata-Version: 2.1
Name: cachelib
Version: 0.2.0
Summary: A collection of cache libraries in the same API interface.
Home-page: https://github.com/pallets/cachelib/
Maintainer: Pallets
Maintainer-email: contact@palletsprojects.com
License: BSD-3-Clause
Project-URL: Documentation, https://cachelib.readthedocs.io/
Project-URL: Changes, https://cachelib.readthedocs.io/changes/
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Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
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Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python
Requires-Python: >=3.6
Description-Content-Type: text/x-rst
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CacheLib
========
A collection of cache libraries in the same API interface. Extracted from Werkzeug.

Installing
----------

Install and update using `pip`:
Donate

-----

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Links

-----

- Documentation: https://cachelib.readthedocs.io/
- Changes: https://cachelib.readthedocs.io/changes/
- PyPI Releases: https://pypi.org/project/cachelib/
- Source Code: https://github.com/pallets/cachelib/
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1.53 pystache 0.5.4

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1.54 bump2version 1.0.1

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# bump2version

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## NOTE

This is a maintained fork of the excellent [bumpversion project](https://github.com/peritus/bumpversion).

## Overview

Version-bump your software with a single command!

A small command line tool to simplify releasing software by updating all
version strings in your source code by the correct increment. Also creates
commits and tags:

* version formats are highly configurable
* works without any VCS, but happily reads tag information from and writes
  commits and tags to Git and Mercurial if available
* just handles text files, so it's not specific to any programming language
* supports Python 3 and PyPy3
If you want to use Python 2, use `pip>=9` and you'll get the last supported version, or pin `bump2version<1`.

## Alternatives

If bump2version does not fully suit your needs, you could take a look at other tools doing similar or related tasks: [ALTERNATIVES.md](https://github.com/c4urself/bump2version/blob/master/RELATED.md).

## Installation

You can download and install the latest version of this software from the Python package index (PyPI) as follows:

    pip install --upgrade bump2version

**NOTE: `pip install bumpversion` now installs the latest bump2version!**

## Changelog

Please find the changelog here: [CHANGELOG.md](CHANGELOG.md)

## Usage

NOTE: Throughout this document you can use `bumpversion` or `bump2version` interchangeably.

There are two modes of operation: On the command line for single-file operation and using a configuration file (`bumpversion.cfg`) for more complex multi-file operations.

    bump2version [options] part [file]

```
#### `part`
_**required**_<br />
**default**: none
```

The part of the version to increase, e.g. `minor`.

Valid values include those given in the `--serialize` / `--parse` option.

Example bumping 0.5.1 to 0.6.0:

    bump2version --current-version 0.5.1 minor src/VERSION

```
#### `file`
_**[optional]**_<br />
**default***: none
```

The file that will be modified.

This file is added to the list of files specified in `[bumpversion:file:]`
sections from the configuration file. If you want to rewrite only files specified on the command line, use `--no-configured-files`.

Example bumping 1.1.9 to 2.0.0:

    bump2version --current-version 1.1.9 major setup.py

### Configuration file

All options can optionally be specified in a config file called `.bumpversion.cfg` so that once you know how `bump2version` needs to be configured for one particular software package, you can run it without specifying options later. You should add that file to VCS so others can also bump versions.

Options on the command line take precedence over those from the config file, which take precedence over those derived from the environment and then from the defaults.

Example `.bumpversion.cfg`:

```ini
[ ]
[bumpversion]
current_version = 0.2.9
commit = True
tag = True

[bumpversion:file:setup.py]
```

If no `.bumpversion.cfg` exists, `bump2version` will also look into `setup.cfg` for configuration.

### Configuration file -- Global configuration

General configuration is grouped in a `[bumpversion]` section.

```
        `current_version`
_**required**_<br />
**default**: none

The current version of the software package before bumping.

Also available as `--current-version` (e.g. `bump2version --current-version 0.5.1 patch setup.py`)

```
        `new_version`
_**[optional]**_<br />
**default**: none
```
The version of the software package after the increment. If not given will be automatically determined.

Also available as `--new-version` (e.g. to go from 0.5.1 directly to 0.6.1: `bump2version --current-version 0.5.1 --new-version 0.6.1 patch setup.py`).

```
### tag = (True | False)
**[optional]**
**default**: False (Don't create a tag)

Whether to create a tag, that is the new version, prefixed with the character "v". If you are using git, don't forget to `git-push` with the `--tags` flag.

Also available on the command line as `(--tag | --no-tag)`.
```

```
### `sign_tags = (True | False)`
**[optional]**
**default**: False (Don't sign tags)

Whether to sign tags.

Also available on the command line as `(--sign-tags | --no-sign-tags)`.
```

```
### `tag_name =`
**[optional]**
**default:** `v{new_version}`

The name of the tag that will be created. Only valid when using `--tag` / `tag = True`.

This is templated using the [Python Format String Syntax](https://docs.python.org/3/library/string.html#format-string-syntax).

Available in the template context are `current_version` and `new_version` as well as `current_[part]` and `new_[part]` (e.g. `current_major` or `new_patch`).

In addition, all environment variables are exposed, prefixed with `$`.

You can also use the variables `now` or `utcnow` to get a current timestamp. Both accept datetime formatting (when used like as in `{now:%d.%m.%Y}`).

Also available as command-line flag `tag-name`. Example usage:
`bump2version --tag-name 'release-{new_version}' patch`

In addition, it is also possible to provide a tag message by using `--tag-message TAG_MESSAGE`. Example usage:
`bump2version --tag-name 'release-{new_version}' --tag-message "Release {new_version}" patch`

* If neither tag message or sign tag is provided, `bumpversion` uses a "lightweight" tag in Git. Otherwise, it utilizes

#### `commit = (True | False)`
*optional*<br />
**default:** False (Don't create a commit)

Whether to create a commit using git or Mercurial.

Also available as `(---commit | --no-commit)`.

In many projects it is common to have a pre-commit hook that runs prior to a commit and in case of failure aborts the commit. For some use cases it might be desired that when bumping a version and having `commit = True`, the pre-commit hook should perform slightly different actions than in regular commits. For example run an extended set of checks only for actual releases of the software. To allow the pre-commit hooks to distinguish a bumpversion commit, the `BUMPVERSION_CURRENT_VERSION` and `BUMPVERSION_NEW_VERSION` environment variables are set when executing the commit command.

#### `message =`
*optional*<br />
**default:** `Bump version: {current_version} {new_version}`

The commit message to use when creating a commit. Only valid when using `commit = True`.

This is templated using the [Python Format String Syntax](https://docs.python.org/3/library/string.html#format-string-syntax).

Available in the template context are `current_version` and `new_version` as well as `current_[part]` and `new_[part]` (e.g. `current_major` or `new_patch`).

In addition, all environment variables are exposed, prefixed with `$`.

You can also use the variables `now` or `utcnow` to get a current timestamp. Both accept datetime formatting (when used like as in `{now:%Y-%m-%d}`).

Also available as command-line flag `--message`. Example usage:

`bump2version --message [{now:%Y-%m-%d}] Jenkins Build {BUILD_NUMBER}: {new_version}' patch`)

#### `commit_args =`
*optional*<br />
**default:** empty

Extra arguments to pass to commit command. Only valid when using `commit = True`.

This is for example useful to add `-s` to generate `Signed-off-by:` line in the commit message.
Multiple arguments can be specified on separate lines.

Also available as command-line flag `--commit-args`, in which case only one argument can be specified.

### Configuration file -- Part specific configuration

A version string consists of one or more parts, e.g. the version `1.0.2` has three parts, separated by a dot ('.') character. In the default configuration these parts are named `major`, `minor`, `patch`, however you can customize that using the `parse`/`serialize` option.

By default all parts are considered numeric, that is their initial value is `0` and they are increased as integers. Also, the value `0` is considered to be optional if it's not needed for serialization, i.e. the version `1.4.0` is equal to `1.4` if `{major}.{minor}` is given as a `serialize` value.

For advanced versioning schemes, non-numeric parts may be desirable (e.g. to identify [alpha or beta versions][http://en.wikipedia.org/wiki/Software_release_life_cycle#Stages_of_development] to indicate the stage of development, the flavor of the software package or a release name). To do so, you can use a `[bumpversion:part:]` section containing the part's name (e.g. a part named `release_name` is configured in a section called `[bumpversion:part:release_name]`.

The following options are valid inside a part configuration:

#### `values =`
**default**: numeric (i.e. `0`, `1`, `2`,)

Explicit list of all values that will be iterated when bumping that specific part.

Example:

```ini
[bumpversion:part:release_name]
values =
  witty-warthog
  ridiculous-rat
  marvelous-mantis
```

#### `optional_value =`
**default**: The first entry in `values =`.

If the value of the part matches this value it is considered optional, i.e. its representation in a `--serialize` possibility is not required.
Example:

```ini
[bumversion]
current_version = 1.alpha
parse = (?P<num>\d+)(\.(?P<release>\.*))?  
serialize =
{num},{release}
{num}

[bumversion:part:release]
optional_value = gamma
values =
alpha
beta
gamma
```

Here, `bump2version release` would bump `1.alpha` to `1.beta`. Executing `bump2version release` again would bump `1.beta` to `1`, because `release` being `gamma` is configured optional.

```
#### `first_value =`
**default**: The first entry in `values =`.

When the part is reset, the value will be set to the value specified here.

### Configuration file -- File specific configuration

This configuration is in the section: `[bumversion:file:]` or `[bumversion:glob:]`

Both, `file:` and `glob:` are configured the same. Their difference is that file will match file names directly like `requirements.txt`. While glob also matches multiple files via wildcards like `**/pom.xml`.

Note: The configuration file format requires each section header to be unique. If you want to process a certain file multiple times, you may append a description between parens to the `file` keyword: `[bumversion:file (special one):]`.

```
#### `parse =`
**default:** `(?P<major>\d+)(\.(?P<minor>\d+)(\.(?P<patch>\d+))?)`

Regular expression (using [Python regular expression syntax](https://docs.python.org/3/library/re.html#regular-expression-syntax)) on how to find and parse the version string.
Is required to parse all strings produced by `serialize =`. Named matching
groups ("(?P<name>...)") provide values to as the `part` argument.

Also available as `--parse`  

##### `serialize=`
**default:** `\{major\}.\{minor\}.\{patch\}`

Template specifying how to serialize the version parts back to a version string.

This is templated using the [Python Format String Syntax](https://docs.python.org/3/library/string.html#format-string-syntax).
Available in the template context are parsed values of the named groups
specified in `parse =` as well as all environment variables (prefixed with
`$`).

Can be specified multiple times, bumpversion will try the serialization
formats beginning with the first and choose the last one where all values can
be represented like this:

```ini
```
```
ini
serialize =
{major}.{minor}
{major}
```

Given the example above, the new version `1.9` will be serialized as
`1.9`, but the version `2.0` will be serialized as `2`.

Also available as `--serialize`. Multiple values on the command line are
given like `--serialize {major}.{minor} --serialize {major}`

##### `search=`
**default:** `\{current_version\}`

Template string how to search for the string to be replaced in the file.
Useful if the remotest possibility exists that the current version number
might be present multiple times in the file and you mean to only bump one of the
occurrences. Can be multiple lines, templated using [Python Format String Syntax](https://docs.python.org/3/library/string.html#format-string-syntax)

##### `replace=`
**default:** `\{new_version\}`

Template to create the string that will replace the current version number in
the file.
Given this `requirements.txt`:

Django>=1.5.6,<1.6
MyProject==1.5.6

using this `.bumpversion.cfg` will ensure only the line containing
`MyProject` will be changed:

```ini
[bumpversion]
current_version = 1.5.6

[bumpversion:file:requirements.txt]
search = MyProject=={current_version}
replace = MyProject=={new_version}
```

Can be multiple lines, templated using [Python Format String Syntax](https://docs.python.org/3/library/string.html#format-string-syntax).

## Command-line Options

Most of the configuration values above can also be given as an option on the command-line. Additionally, the following options are available:

`--dry-run, -n`
Don't touch any files, just pretend. Best used with `--verbose`.

`--allow-dirty`
Normally, bumpversion will abort if the working directory is dirty to protect yourself from releasing unversioned files and/or overwriting unsaved changes. Use this option to override this check.

`--no-configured-files`
Will not update/check files specified in the bumpversion.cfg. Similar to dry-run, but will also avoid checking the files. Also useful when you want to update just one file with e.g., `bump2version --no-configured-files major my-file.txt`

`--verbose`
Print useful information to stderr

`--list`
List machine readable information to stdout for consumption by other programs.

Example output:
`-h, --help`
Print help and exit

## Using bumpversion in a script

If you need to use the version generated by bumpversion in a script you can make use of the `--list` option, combined with `grep` and `sed`.

Say for example that you are using git-flow to manage your project and want to automatically create a release. When you issue `git flow release start` you already need to know the new version, before applying the change.

The standard way to get it in a bash script is

```
bump2version --dry-run --list <part> | grep <field name> | sed -r s,"^.*=",
```

where `part` is as usual the part of the version number you are updating. You need to specify `--dry-run` to avoid bumpversion actually bumping the version number.

For example, if you are updating the minor number and looking for the new version number this becomes

```
bump2version --dry-run --list minor | grep new_version | sed -r s,"^.*=",
```

## Using bumpversion to maintain a go.mod file within a Go project

In a module-aware Go project, when you create a major version of your module beyond v1, your module name will need to include the major version # (e.g. `github.com/myorg/myproject/v2`).

You can use bump2version to maintain the major version # within the go.mod file by using the `parse` and `serialize` options, as in this example:

- Example `.bumpversion.cfg` file:

```
---
[bumpversion]
current_version = 2.0.0
commit = True

[bumpversion:file:go.mod]
parse = (?P<major>\d+)
serialize = {major}
search = module github.com/myorg/myproject/v{current_version}
replace = module github.com/myorg/myproject/v{new_version}
```
- Example `go.mod` file:

```go
module github.com/myorg/myproject/v2

go 1.12

require ( ...
)
```

Then run this command to create version 3.0.0 of your project:

```bash
    bump2version --new-version 3.0.0 major
```

Your `go.mod` file now contains this module directive:

```go
module github.com/myorg/myproject/v3
```

## Development & Contributing

Thank you contributors! You can find a full list here: https://github.com/c4urself/bump2version/graphs/contributors

See also our [CONTRIBUTING.md](CONTRIBUTING.md)

Development of this happens on GitHub, patches including tests, documentation are very welcome, as well as bug reports! Also please open an issue if this tool does not support every aspect of bumping versions in your development workflow, as it is intended to be very versatile.

## License

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Found in path(s):
* /opt/cola/permits/1172491906_1623319841.55/0/c4urself-bump2version-v1-0-1-0-g14fa603-tar-gz/c4urself-bump2version-e57a1f3/README.md

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bump2version-e57a1f3/LICENSE.rst
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**unreleased**

**v1.0.1**

**v1.0.1**
- Added: enable special characters in search/replace, thanks @mckelvin
- Added: allow globbing a pattern to match multiple files, thanks @balrok
- Added: way to only bump a specified file via --no-configured-files, thanks @balrok
- Fixed: dry-run now correctly outputs, thanks @fmigneault
- Housekeeping: documentation for lightweight tags improved, thanks @GreatBahram
- Housekeeping: added related tools document, thanks @florisla
- Fixed: no more falling back to default search, thanks @florisla

**v1.0.0**
- Fix the spurious newline that bump2version adds when writing to bumpversion.cfg, thanks @kyluca #58
- Add Python3.8 support, thanks @florisla
- Drop Python2 support, thanks @hugovk
- Allow additional arguments to the commit call, thanks @lubomir
- Various documentation improvements, thanks @lubomir @florisla @padamstx @glotis
- Housekeeping, move changelog into own file

**v0.5.11**

- Housekeeping, also publish an sdist
- Housekeeping, fix appveyor builds
- Housekeeping, `make lint` now lints with pylint
- Drop support for Python3.4, thanks @hugovk #79
- Enhance missing VCS command detection (errno 13), thanks @lowell80 #75
- Add environment variables for other scripts to use, thanks @mauvilsa #70
- Refactor, cli.main is now much more readable, thanks @florisla #68
- Fix, retain file newlines for Windows, thanks @hesstobi #59
- Add support (tests) for Python3.7, thanks @florisla #49
- Allow any part to be configured in configurable strings such as tag_name etc., thanks @florisla #41

**v0.5.10**

- Housekeeping, use twine

**v0.5.9**

- Fixed windows appveyor-based testing, thanks: @jeremycarroll #33 and #34
- Fixed interpolating correctly when using setup.cfg for config, thanks: @SethMMorton #32
- Improve tox/travis testing, thanks: @ekohl #27
- Fixed markdown formatting in setup.py for pypi.org documentation, thanks: @florisla, @Mattwmaster58 #26

**v0.5.8**

- Updated the readme to markdown for easier maintainability
- Fixed travis testing, thanks: @sharksforarms #15
- Added support for newlines, thanks: @sharksforarms #14
- Fixed an issue with a TypeError on Windows, thanks: @lorengordon #12
- Standardised the python versions, thanks: @ekohl #8
- Fixed testing for pypy, #7

**v0.5.7**

- Added support for signing tags (git tag -s)
  thanks: @Californian [#6](https://github.com/c4urself/bump2version/pull/6)

**v0.5.6**

- Added compatibility with `bumpversion` by making script install as `bumpversion` as well
  thanks: @the-allanc [#2](https://github.com/c4urself/bump2version/pull/2)

**v0.5.5**

- Added support for annotated tags
  thanks: @ekohl @gvangool [#58](https://github.com/peritus/bumpversion/pull/58)

**v0.5.4**

- Renamed to bump2version to ensure no conflicts with original package

**v0.5.3**
- Fix bug where `--new-version` value was not used when config was present
  (thanks @cscetbon @ecordell [#60](https://github.com/peritus/bumpversion/pull/60))
- Preserve case of keys config file
  (thanks theskumar [#75](https://github.com/peritus/bumpversion/pull/75))
- Windows CRLF improvements (thanks @thebjorn)

**v0.5.1**

- Document file specific options `search =` and `replace =` (introduced in 0.5.0)
- Fix parsing individual labels from `serialize =` config even if there are
  characters after the last label (thanks @mskrajnowski [#56](https://github.com/peritus/bumpversion/pull/56))
- Fix: Don't crash in git repositories that have tags that contain hyphens
  [#51](https://github.com/peritus/bumpversion/pull/51) and [#52](https://github.com/peritus/bumpversion/pull/52)
- Fix: Log actual content of the config file, not what ConfigParser prints
  after reading it.
- Fix: Support multiline values in `search =`
  - also load configuration from `setup.cfg`, thanks @t-8ch [#57](https://github.com/peritus/bumpversion/pull/57)

**v0.5.0**

This is a major one, containing two larger features, that require some changes
in the configuration format. This release is fully backwards compatible to
*v0.4.1*, however deprecates two uses that will be removed in a future version.

- New feature: `Part specific configuration`
- New feature: `File specific configuration`
- New feature: parse option can now span multiple line (allows to comment complex
  regular expressions. See `re.VERBOSE` in the [Python
  documentation](https://docs.python.org/library/re.html#re.VERBOSE) for details, also see [this
testcase](https://github.com/peritus/bumpversion/blob/165e5d8bd308e9b7a1a6d17db8a8ec9603f2d063/tests.py#L12
02-L1211) as an example.
- New feature: `--allow-dirty` [#42](https://github.com/peritus/bumpversion/pull/42)
- Fix: Save the files in binary mode to avoid mutating newlines (thanks @jaraco
  [#45](https://github.com/peritus/bumpversion/pull/45))
- License: bumpversion is now licensed under the MIT License
  [#47](https://github.com/peritus/bumpversion/issues/47)
- Deprecate multiple files on the command line (use `configuration file` instead, or invoke `bumpversion` multiple
times)
- Deprecate `files =` configuration (use `file specific configuration` instead)

**v0.4.1**

- Add `--list` option [#39](https://github.com/peritus/bumpversion/issues/39)
- Use temporary files for handing over commit/tag messages to git/hg
  [#36](https://github.com/peritus/bumpversion/issues/36)
- Fix: don't encode stdout as utf-8 on py3 [#40](https://github.com/peritus/bumpversion/issues/40)
- Fix: logging of content of config file was wrong
**v0.4.0**
- Add --verbose option [#21](https://github.com/peritus/bumpversion/issues/21)
  [#30](https://github.com/peritus/bumpversion/issues/30)
- Allow option --serialize multiple times

**v0.3.8**
- Fix: --parse/--serialize didn't work from cfg [#34](https://github.com/peritus/bumpversion/issues/34)

**v0.3.7**
- Don't fail if git or hg is not installed (thanks @keimlink)
- "files" option is now optional [#16](https://github.com/peritus/bumpversion/issues/16)
- Fix bug related to dirty work dir [#28](https://github.com/peritus/bumpversion/issues/28)

**v0.3.6**
- Fix --tag default (thanks @keimlink)

**v0.3.5**
- add {now} and {utcnow} to context
- use correct file encoding writing to config file. NOTE: If you are using
  Python2 and want to use UTF-8 encoded characters in your config file, you
  need to update ConfigParser like using 'pip install -U configparser'
- leave `current_version` in config even if available from vcs tags (was
  confusing)
- print own version number in usage
- allow bumping parts that contain non-numerics
- various fixes regarding file encoding

**v0.3.4**
- bugfix: tag_name and message in .bumpversion.cfg didn't have an effect
  [#9](https://github.com/peritus/bumpversion/issues/9)

**v0.3.3**
- add --tag-name option
- now works on Python 3.2, 3.3 and PyPy

**v0.3.2**
- bugfix: Read only tags from `git describe` that look like versions

**v0.3.1**
- bugfix: `--help` in git workdir raising AssertionError
- bugfix: fail earlier if one of files does not exist
- bugfix: `commit = True` / `tag = True` in .bumpversion.cfg had no effect

**v0.3.0**

- **BREAKING CHANGE** The `--bump` argument was removed, this is now the first positional argument.
  If you used `bumpversion --bump major` before, you can use `bumpversion major` now.
  If you used `bumpversion` without arguments before, you now need to specify the part (previous default was `patch`) as in `bumpversion patch`.

**v0.2.2**

- add --no-commit, --no-tag

**v0.2.1**

- If available, use git to learn about current version

**v0.2.0**

- Mercurial support

**v0.1.1**

- Only create a tag when it's requested (thanks @gvangool)

**v0.1.0**

- Initial public version

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* /opt/cola/permits/1172491906_1623319841.55/0/c4urself-bump2version-v1-0-1-0-g14fa603-tar-gz/c4urself-bump2version-e57a1f3/CHANGELOG.md
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Julian Seward, jseward@acm.org
bzip2/libbzip2 version 1.0.8 of 13 July 2019

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1.65 pytest 6.2.4
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1.67 libffi 3.3-r2
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PCRE is a library of functions to support regular expressions whose syntax
and semantics are as close as possible to those of the Perl 5 language.

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in the testdata directory is not copyrighted and is in the public domain.

The basic library functions are written in C and are freestanding. Also
included in the distribution is a set of C++ wrapper functions, and a
just-in-time compiler that can be used to optimize pattern matching. These
are both optional features that can be omitted when the library is built.

THE BASIC LIBRARY FUNCTIONS
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PCRE JUST-IN-TIME COMPILATION SUPPORT
------------------------------------------

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THE C++ WRAPPER FUNCTIONS
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1.71 wheel 0.35.1

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WTForms

WTForms is a flexible forms validation and rendering library for python web development.

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from wtforms import validators, widgets
from wtforms.fields import *
from wtforms.form import Form
from wtforms.validators import ValidationError

__version__ = '2.3.3'

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import io
import re
from setuptools import setup

with io.open('README.rst', 'rt', encoding='utf8') as f:
    readme = f.read()
with io.open(wtforms/__init__.py', 'rt', encoding='utf8') as f:
    version = re.search(r'__version__ = \((.*))\), f.read().group(1)

setup(
    name='WTForms',
    version=version,
    url='https://wtforms.readthedocs.io/',
    project_urls={
        'Documentation': 'https://wtforms.readthedocs.io/',
        'Code': 'https://github.com/wtforms/wtforms',
        'Issue Tracker': 'https://github.com/wtforms/wtforms/issues',
    },
    license='BSD-3-Clause',
    maintainer='WTForms',
    maintainer_email='davidism@gmail.com',
    description=
    'A flexible forms validation and rendering library for Python'
    ' web development.'
),
    long_description=readme,
    classifiers=[
        'Development Status :: 5 - Production/Stable',
        'Environment :: Web Environment',
        'Intended Audience :: Developers',
        'License :: OSI Approved :: BSD License',
        'Operating System :: OS Independent',
        'Programming Language :: Python',
        'Programming Language :: Python :: 2',
        'Programming Language :: Python :: 2.7',
        'Programming Language :: Python :: 3',
        'Programming Language :: Python :: 3.5',
        'Programming Language :: Python :: 3.6',
        'Programming Language :: Python :: 3.7',
        'Programming Language :: Python :: 3.8',
        'Topic :: Internet :: WWW/HTTP :: Dynamic Content',
        'Topic :: Software Development :: Libraries :: Python Modules',
    ],
    packages=[
        'wtforms',
        'wtforms.csrf',
        'wtforms.fields',
        'wtforms.widgets',
        'wtforms.ext',
        'wtforms.ext.appengine',
        'wtforms.ext.csrf',
        'wtforms.ext.dateutil',
        'wtforms.ext.django',
        'wtforms.ext.djangoproject',
        'wtforms.ext.django.templatetags',
    ],
include_package_data=True,
install_requires=["MarkupSafe"],
extras_require={
    "ipaddress": ["ipaddress; python_version<"3.3""],
    "email": ["email_validator"],
    "locale": ["Babel>=1.3"],
},
)

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PCG Random Number Generation for C.

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# SFC64

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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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The rk_random and rk_seed functions algorithms and the original design of the Mersenne Twister RNG:

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

Constants used in the rk_double implementation by Isaku Wada.

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lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g dsp_name.c
lib/gssapi/mechglue/g dsp_status.c
lib/gssapi/mechglue/g dup_name.c
lib/gssapi/mechglue/g exp_sec_context.c
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lib/gssapi/mechglue/g imp_sec_context.c
lib/gssapi/mechglue/g init_sec_context.c
lib/gssapi/mechglue/g initialize.c
lib/gssapi/mechglue/g inquire_context.c
lib/gssapi/mechglue/g inquire_cred.c
lib/gssapi/mechglue/g inquire_names.c
lib/gssapi/mechglue/g process_context.c
lib/gssapi/mechglue/g rel_buffer.c
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#include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c

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Contributors
------------

- Chris McDonough, 2011/02/16
- Wichert Akkerman, 2012/02/02

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A. HISTORY OF THE SOFTWARE

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

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

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

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

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

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

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(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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@item
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Otherwise, if the work is a derivative of the Library, you may
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Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

@item
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directing the user to the copy of this License. Also, you must do one
of these things:

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

@item
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@item
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@end enumerate

@if\text
@heading END OF TERMS AND CONDITIONS
@end if\text
@if\info
@center END OF TERMS AND CONDITIONS
@end if\info

@end if\info

@page
@heading Appendix: How to Apply These Terms to Your New Programs

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.

@smallexample
@var{one line to give the program's name and a brief idea of what it does.}
Copyright (C) @var{yyyy}  @var{name of author}

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This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
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commands you use may be called something other than @samp{show w} and
@samp{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
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necessary. Here is a sample; alter the names:

@example
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`Gnomovision' (which makes passes at compilers) written by James Hacker.
@end example

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- the libintl.jar Java library,
- the GNU.Gettext.dll C# library,
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1.100 gnutls 3.7.2
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AES in libhcrypto

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rijndael-alg-fst.c

version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
author Paulo Barreto <paulo.barreto@terra.com.br>

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DES core in libhcrypto

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D3DES (V5.09) -

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Thanks to: Dan Hoey for his excellent Initial and Inverse permutation
code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis
Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau,
for humouring me on.

(GEnie : OUTER; CIS : [71755,204]) Graven Imagery, 1992.

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Windows support

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lib/hcrypto/test_dh.c

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1.114 scp 0.13.4

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1.115 python 3.9.5

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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, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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1.116 glib 2.66.8-r0

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That's all there is to it!

1.117 **invoke 1.5.0**

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1.118 e2fsprogs 1.46.2-r0
1.118.1 Available under license:

This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic
BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fPIC

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) "$\`echo $(my_dir) | sed -e \s;\lib/\';"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@end echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@end $(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@end $(LDCONFIG)

install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)/$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f../$(BSD_LIB)

This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
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Theodore Ts'o
23-June-2007

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This package was added to the e2fsprogs debian source package by 
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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``Source code'' for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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@item
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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.)
@end enumerate

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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.

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

@item
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@end enumerate
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@subheading END OF TERMS AND CONDITIONS

@page
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@end example

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@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
@end example

That's all there is to it!
@end center
@end c

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- Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

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@iftex
@heading END OF TERMS AND CONDITIONS
@end iftex
@ifinfo
@center END OF TERMS AND CONDITIONS
@end ifinfo

@page
@heading Appendix: How to Apply These Terms to Your New Programs

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.

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@end smallexample

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@end smallexample

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@var{signature of Ty Coon}, 1 April 1989
Ty Coon, President of Vice
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1.123 jsonconverter 1.0.3

1.123.1 Available under license:
No license file was found, but licenses were detected in source scan.

Metadata-Version: 2.1
Name: jsonConverter
Version: 1.0.3
Summary: Json converter
Home-page: https://github.com/gp2kumar/jsonconverter
Author: prgarre
Author-email: garrepradeepkumar@gmail.com
License: UNKNOWN
Description: # jsonconverter
A one step stop for all Json conversions.

# Installation
<pre>
pip install jsonConverter
</pre>

# Usage
<pre>
from jsonConverter import jsonConverter
json_converter = jsonConverter(ANY_JSON)
</pre>

## Invoke jsonConverter from json file
<pre>
from jsonConverter import jsonConverter
json_converter = jsonConverter.from_file(json_path)
</pre>

## Invoke jsonConverter from json string
<pre>
from jsonConverter import jsonConverter
json_converter = jsonConverter.from_string(json_str)
</pre>

# Get htmltable from json
<pre>
from jsonConverter import jsonConverter
json_converter = jsonConverter(ANY_JSON)
</pre>
## How to change default attributes for html table

Below attributes are exposed. So, pass these parameters to `get_html_table` method.

```python
json_converter.get_html_table()
</pre>

```

### Example 1 : get html table with header background color as red
```python
from jsonConverter import jsonConverter
json_converter = jsonConverter(ANY_JSON)
json_converter.get_html_table(header_background_color = "#ff0000")
</pre>
```

Platform: UNKNOWN
Classifier: Programming Language :: Python :: 3
Classifier: License :: OSI Approved :: MIT License
Classifier: Operating System :: OS Independent
Requires-Python: >=3.5
Description-Content-Type: text/markdown

Found in path(s):
* /opt/cola/permits/1175627201_1624495747.9/0/jsonconverter-1-0-3-tar-gz/jsonConverter-1.0.3/PKG-INFO
* /opt/cola/permits/1175627201_1624495747.9/0/jsonconverter-1-0-3-tar-gz/jsonConverter-1.0.3/jsonConverter.egg-info/PKG-INFO

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

```python
import setuptools

with open("README.md", "r") as fh:
    long_description = fh.read()

setuptools.setup(
    name="jsonConverter",
    version="1.0.3",
    author="prgarre",
    author_email="garrepradeepkumar@gmail.com",
    description="Json converter",
    long_description=long_description,
    long_description_content_type="text/markdown",
    url="https://github.com/gp2kumar/jsonconverter",
)
packages=setuptools.find_packages(),
classifiers=[
    "Programming Language :: Python :: 3",
    "License :: OSI Approved :: MIT License",
    "Operating System :: OS Independent",
],
python_requires='>=3.5',
install_requires=['"jinja2", "beautifulsoup4"']
)

Found in path(s):
* /opt/cola/permits/1175627201_1624495747.9/0/jsonconverter-1.0.3-tar-gz/jsonConverter-1.0.3/setup.py

1.124 python-requests 2.25.1
1.124.1 Available under license :

Requests
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1.125 zlib 1.2.11
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1.126 pytz 2021.1
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1.127 ncurses 6.2_p20210109-r0

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-- vile: txtmode file-encoding=utf-8
Upstream source https://invisible-island.net/ncurses/ncurses.html
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Upstream source https://invisible-island.net/ncurses/ncurses-examples.html

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>
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Calling this script install-sh is preferred over install.sh, to prevent `make' implicit rules from creating a file called install from it when there is no Makefile.

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

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-- vile: textmode file-encoding=utf-8
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-- vile:txtmode fc=72
-- $Id: COPYING,v 1.9 2020/02/08 13:34:12 tom Exp $

1.128 pax-utils 1.2.8-r0
1.128.1 Available under license :

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1.130 paramiko 2.7.2

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- Chris McDonough, 2011/02/16
- Wichert Akkerman, 2012/02/02

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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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c-a-bundle.crt -- Bundle of CA Root Certificates

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

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@(#) SRCSfile: certdata.txt,v $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI) in the Netherlands as a successor of a
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includes many contributions from others. The last version released
from CWI was Python 1.2. In 1995, Guido continued his work on Python
at the Corporation for National Research Initiatives (CNRI) in Reston,
Virginia where he released several versions of the software. Python
1.6 was the last of the versions released by CNRI. In 2000, Guido and
the Python core development team moved to BeOpen.com to form the
BeOpen PythonLabs team. Python 2.0 was the first and only release
from BeOpen.com.

Following the release of Python 1.6, and after Guido van Rossum left
CNRI to work with commercial software developers, it became clear that
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   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is
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    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

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1.143 p11-kit 0.23.22-r0

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1.144 flask-hashing 1.1

1.144.1 Available under license:
No license file was found, but licenses were detected in source scan.

Metadata-Version: 1.1
Name: Flask-Hashing
Version: 1.1
Summary: Easy hashing of data in Flask
Home-page: https://github.com/ThaWeatherman/flask-hashing
Author: Sean Beck
Author-email: seanmckaybeck@gmail.com
License: MIT
Description:
Flask-Hashing
This is a Flask extension that provides utility functions for hashing data within a Flask application.

Flask-Bcrypt restricts you to using bcrypt. What if you want to use a different hash function? This extension provides access to other commonly used hash functions such as SHA256.

Links
-----

Platform: any
Classifier: Environment :: Web Environment
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: MIT License
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python
Classifier: Topic :: Internet :: WWW/HTTP :: Dynamic Content
Classifier: Topic :: Software Development :: Libraries :: Python Modules

Found in path(s):
* /opt/cola/permits/1172491986_1623319874.31/0/flask-hashing-1.1-tar-gz/Flask-Hashing-1.1/Flask_Hashing.egg-info/PKG-INFO
* /opt/cola/permits/1172491986_1623319874.31/0/flask-hashing-1.1-tar-gz/Flask-Hashing-1.1/PKG-INFO
No license file was found, but licenses were detected in source scan.

==
Flask-Hashing
---------

This is a Flask extension that provides utility functions for hashing data within a Flask application.

Flask-Bcrypt restricts you to using bcrypt. What if you want to use a different hash function? This extension provides access to other commonly used hash functions such as SHA256.

Links
-----

from setuptools import setup
setup(
    name='Flask-Hashing',
    version='1.1',
    url='https://github.com/ThaWeatherman/flask-hashing',
    license='MIT',
    author='Sean Beck',
    author_email='seanmckaybeck@gmail.com',
    description='Easy hashing of data in Flask',
    long_description=__doc__,
    py_modules=['flask_hashing'],
    zip_safe=False,
    include_package_data=True,
    platforms='any',
    install_requires=[
        'Flask'
    ],
    classifiers=[
        'Environment :: Web Environment',
        'Intended Audience :: Developers',
        'License :: OSI Approved :: MIT License',
        'Operating System :: OS Independent',
        'Programming Language :: Python',
        'Topic :: Internet :: WWW/HTTP :: Dynamic Content',
        'Topic :: Software Development :: Libraries :: Python Modules'
    ],
    test_suite='test_hashing'
)

Found in path(s):
* /opt/cola/permits/1172491986_1623319874.31/0/flask-hashing-1-1-tar-gz/Flask-Hashing-1.1/setup.py

1.145 **python-setuptools 57.0.0**

1.145.1 Available under license:

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1.146 libunistring 0.9.10-r0

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@center Version 2.1, February 1999

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@display
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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
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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.

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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with the Library, with the complete machine-readable "work that
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that the user who changes the contents of definitions files in the
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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.

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

For an executable, the required form of the "work that uses the
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reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
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1.147 busybox 1.33.1

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1.151 waitress 2.0.0

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1.152 nghttp2 1.42.0-r1

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set yrange [0:]
set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024
set xtics rotate by -45
set style histogram errorbars gap 2 lw 1
set style fill solid border -1

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cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
lib/libgss/g_acquire_cred.c
lib/libgss/g_canon_name.c
lib/libgss/g_compare_name.c
lib/libgss/g_context_time.c
lib/libgss/g_delete_sec_context.c
lib/libgss/g_dsp_name.c
lib/libgss/g_dsp_status.c
lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c
lib/libgss/g_glue.c
lib/libgss/g_imp_name.c
lib/libgss/g_imp_sec_context.c
```
lib/libgss/g_init_sec_context.c
lib/libgss/g_initialize.c
lib/libgss/g_inquire_context.c
lib/libgss/g_inquire_cred.c
lib/libgss/g_inquire_names.c
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lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
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Found in path(s):
* /opt/cola/permits/1110905341_1606871385.15/0/kjd-idna-v2-10-0-ge5c11db-1-tar-gz/kjd-idna-b8defb9/LICENSE.rst

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

---

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

def main():

    python_version = sys.version_info[:2]
    if python_version < (2,7):
        raise SystemExit("Sorry, Python 2.7 or newer required")

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

    arguments = {
        'name': 'idna',
        'packages': ['idna'],
        'version': package_data['__version__'],
        'description': 'Internationalized Domain Names in Applications (IDNA)',
        'long_description': io.open("README.rst", encoding="UTF-8").read(),
        'author': 'Kim Davies',
        'author_email': 'kim@cynosure.com.au',
        'license': 'BSD-like',
        'url': 'https://github.com/kjd/idna',
        'classifiers': [
            'Development Status :: 5 - Production/Stable',
            'Intended Audience :: Developers',
            'Intended Audience :: System Administrators',
            'License :: OSI Approved :: BSD License',
            'Operating System :: OS Independent',
            'Programming Language :: Python',
            'Programming Language :: Python :: 2',
            'Programming Language :: Python :: 2.7',
            'Programming Language :: Python :: 3',
            'Programming Language :: Python :: 3.4',
            'Programming Language :: Python :: 3.5',
            'Programming Language :: Python :: 3.6',
            'Programming Language :: Python :: 3.7',
            'Programming Language :: Python :: 3.8',
            'Programming Language :: Python :: Implementation :: CPython',
            'Programming Language :: Python :: Implementation :: PyPy',
            'Topic :: Internet :: Name Service (DNS)',
            'Topic :: Software Development :: Libraries :: Python Modules',
            'Topic :: Utilities',
        ],
        'python_requires': '>=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*',
    }

def main():

    python_version = sys.version_info[:2]
    if python_version < (2,7):
        raise SystemExit("Sorry, Python 2.7 or newer required")

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

    arguments = {
        'name': 'idna',
        'packages': ['idna'],
        'version': package_data['__version__'],
        'description': 'Internationalized Domain Names in Applications (IDNA)',
        'long_description': io.open("README.rst", encoding="UTF-8").read(),
        'author': 'Kim Davies',
        'author_email': 'kim@cynosure.com.au',
        'license': 'BSD-like',
        'url': 'https://github.com/kjd/idna',
        'classifiers': [
            'Development Status :: 5 - Production/Stable',
            'Intended Audience :: Developers',
            'Intended Audience :: System Administrators',
            'License :: OSI Approved :: BSD License',
            'Operating System :: OS Independent',
            'Programming Language :: Python',
            'Programming Language :: Python :: 2',
            'Programming Language :: Python :: 2.7',
            'Programming Language :: Python :: 3',
            'Programming Language :: Python :: 3.4',
            'Programming Language :: Python :: 3.5',
            'Programming Language :: Python :: 3.6',
            'Programming Language :: Python :: 3.7',
            'Programming Language :: Python :: 3.8',
            'Programming Language :: Python :: Implementation :: CPython',
            'Programming Language :: Python :: Implementation :: PyPy',
            'Topic :: Internet :: Name Service (DNS)',
            'Topic :: Software Development :: Libraries :: Python Modules',
            'Topic :: Utilities',
        ],
        'python_requires': '>=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*',
    }
1.158 alpine-keys 2.2-r0

1.159 flask-sqlalchemy 2.5.1

1.159.1 Available under license:

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

.. _models:

.. currentmodule:: flask_sqlalchemy

Declaring Models

=================

Generally Flask-SQLAlchemy behaves like a properly configured declarative base from the :mod:`~sqlalchemy.ext.declarative` extension. As such we recommend reading the SQLAlchemy docs for a full reference. However the most common use cases are also documented here.

Things to keep in mind:

- The baseclass for all your models is called ``db.Model``. It's stored on the SQLAlchemy instance you have to create. See :ref:`quickstart` for more details.
- Some parts that are required in SQLAlchemy are optional in Flask-SQLAlchemy. For instance the table name is automatically set for you unless overridden. It's derived from the class name converted to lowercase and with “CamelCase” converted to “camel_case”. To override the table name, set the ``__tablename__`` class attribute.

Simple Example

--------------

A very simple example:::
class User(db.Model):
    id = db.Column(db.Integer, primary_key=True)
    username = db.Column(db.String(80), unique=True, nullable=False)
    email = db.Column(db.String(120), unique=True, nullable=False)

    def __repr__(self):
        return '<User %r>' % self.username

Use :class:`sqlalchemy.schema.Column` to define a column. The name of the column is the name you assign it to. If you want to use a different name in the table you can provide an optional first argument which is a string with the desired column name. Primary keys are marked with '``primary_key=True``'. Multiple keys can be marked as primary keys in which case they become a compound primary key.

The types of the column are the first argument to :class:`sqlalchemy.schema.Column`. You can either provide them directly or call them to further specify them (like providing a length). The following types are the most common:

```
=====================================  
<table>
<thead>
<tr>
<th>Column Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>--------------------------------</td>
</tr>
<tr>
<td>:class:<code>~sqlalchemy.types.Integer</code></td>
</tr>
<tr>
<td>:class:<code>String(size)</code> &lt;sqlalchemy.types.String&gt;</td>
</tr>
<tr>
<td>:class:<code>~sqlalchemy.types.Text</code></td>
</tr>
<tr>
<td>:class:<code>~sqlalchemy.types.DateTime</code></td>
</tr>
<tr>
<td>:class:<code>~sqlalchemy.types.Float</code></td>
</tr>
<tr>
<td>:class:<code>~sqlalchemy.types.Boolean</code></td>
</tr>
<tr>
<td>:class:<code>~sqlalchemy.types.PickleType</code></td>
</tr>
<tr>
<td>:class:<code>~sqlalchemy.types.LargeBinary</code></td>
</tr>
</tbody>
</table>
```

One-to-Many Relationships
-------------------------

The most common relationships are one-to-many relationships. Because relationships are declared before they are established you can use strings to refer to classes that are not created yet (for instance if ``Person`` defines a relationship to ``Address`` which is declared later in the file).

Relationships are expressed with the :func:`sqlalchemy.orm.relationship` function. However the foreign key has to be separately declared with the :class:`sqlalchemy.schema.ForeignKey` class:
class Person(db.Model):
    id = db.Column(db.Integer, primary_key=True)
    name = db.Column(db.String(50), nullable=False)
    addresses = db.relationship('Address', backref='person', lazy=True)

class Address(db.Model):
    id = db.Column(db.Integer, primary_key=True)
    email = db.Column(db.String(120), nullable=False)
    person_id = db.Column(db.Integer, db.ForeignKey('person.id'),
        nullable=False)

What does :func:`db.relationship() <sqlalchemy.orm.relationship>` do?
That function returns a new property that can do multiple things.
In this case we told it to point to the `Address` class and load
multiple of those. How does it know that this will return more than
one address? Because SQLAlchemy guesses a useful default from your
declaration. If you would want to have a one-to-one relationship you
can pass `uselist=False` to :func:`~sqlalchemy.orm.relationship`.

Since a person with no name or an email address with no address associated
makes no sense, `nullable=False` tells SQLAlchemy to create the column
as `NOT NULL`. This is implied for primary key columns, but it's a good
idea to specify it for all other columns to make it clear to other people
working on your code that you did actually want a nullable column and did
not just forget to add it.

So what do `backref` and `lazy` mean? `backref` is a simple way to also
declare a new property on the `Address` class. You can then also use
`my_address.person` to get to the person at that address. `lazy` defines
when SQLAlchemy will load the data from the database:

- `'select'` / `True` (which is the default, but explicit is better
  than implicit) means that SQLAlchemy will load the data as necessary
  in one go using a standard select statement.
- `'joined'` / `False` tells SQLAlchemy to load the relationship in
  the same query as the parent using a `JOIN` statement.
- `'subquery'` works like `'joined'` but instead SQLAlchemy will
  use a subquery.
- `'dynamic'` is special and can be useful if you have many items
  and always want to apply additional SQL filters to them.
  Instead of loading the items SQLAlchemy will return another query
  object which you can further refine before loading the items.
  Note that this cannot be turned into a different loading strategy
  when querying so it's often a good idea to avoid using this in
  favor of `lazy=True`. A query object equivalent to a dynamic
  `user.addresses` relationship can be created using
  :meth:`Address.query.with_parent(user) <sqlalchemy.orm.query.Query.with_parent>`
  while still being able to use
lazy or eager loading on the relationship itself as necessary.

How do you define the lazy status for backrefs? By using the
:func:`~sqlalchemy.orm.backref` function:

class Person(db.Model):
    id = db.Column(db.Integer, primary_key=True)
    name = db.Column(db.String(50), nullable=False)
    addresses = db.relationship('Address', lazy='select',
                                backref=db.backref('person', lazy='joined'))

Many-to-Many Relationships
--------------------------

If you want to use many-to-many relationships you will need to define a
helper table that is used for the relationship. For this helper table it
is strongly recommended to *not* use a model but an actual table:

tags = db.Table('tags',
    db.Column('tag_id', db.Integer, db.ForeignKey('tag.id'), primary_key=True),
    db.Column('page_id', db.Integer, db.ForeignKey('page.id'), primary_key=True)
)

class Page(db.Model):
    id = db.Column(db.Integer, primary_key=True)
    tags = db.relationship('Tag', secondary=tags, lazy='subquery',
                           backref=db.backref('pages', lazy=True))

class Tag(db.Model):
    id = db.Column(db.Integer, primary_key=True)

Here we configured ``Page.tags`` to be loaded immediately after loading
a Page, but using a separate query. This always results in two
queries when retrieving a Page, but when querying for multiple pages
you will not get additional queries.

The list of pages for a tag on the other hand is something that's
rarely needed. For example, you won't need that list when retrieving
the tags for a specific page. Therefore, the backref is set to be
lazy-loaded so that accessing it for the first time will trigger a
query to get the list of pages for that tag. If you need to apply
further query options on that list, you could either switch to the
``'dynamic'`` strategy - with the drawbacks mentioned above - or get
a query object using
:func:`Page.query.with_parent(some_tag) <sqlalchemy.orm.query.Query.with_parent>`
and then use it exactly as you would with the query object from a dynamic
relationship.
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with io.open("flask_sqlalchemy/__init__.py", "rt", encoding="utf8") as f:
    version = re.search(r'__version__ = "(.*?)]', f.read(), re.M).group(1)

setup(
    name="Flask-SQLAlchemy",
    version=version,
    url="https://github.com/pallets/flask-sqlalchemy",
    project_urls={
        "Documentation": "https://flask-sqlalchemy.palletsprojects.com/",
        "Issue tracker": "https://github.com/pallets/flask-sqlalchemy/issues",
    },
    license="BSD-3-Clause",
    author="Armin Ronacher",
    author_email="armin.ronacher@active-4.com",
    maintainer="Pallets",
    maintainer_email="contact@palletsprojects.com",
    description="Adds SQLAlchemy support to your Flask application.",
    long_description=readme,
    packages=['flask_sqlalchemy'],
    include_package_data=True,
    python_requires=">= 2.7, != 3.0.*, != 3.1.*, != 3.2.*, != 3.3.*",
    install_requires=['Flask>=0.10', 'SQLAlchemy>=0.8.0'],
    classifiers=[
        "Development Status :: 5 - Production/ Stable",
        "Environment :: Web Environment",
        "Intended Audience :: Developers",
        "License :: OSI Approved :: BSD License",
        "Operating System :: OS Independent",
        "Programming Language :: Python",
        "Programming Language :: Python :: 2",
        "Programming Language :: Python :: 2.7",
        "Programming Language :: Python :: 3",
        "Programming Language :: Python :: 3.4",
        "Programming Language :: Python :: 3.5",
        "Programming Language :: Python :: 3.6",
        "Programming Language :: Python :: 3.7",
        "Programming Language :: Python :: Implementation :: CPython",
        "Programming Language :: Python :: Implementation :: PyPy",
        "Topic :: Internet :: WWW/HTTP :: Dynamic Content",
        "Topic :: Software Development :: Libraries :: Python Modules",
    ],
)

Found in path(s):
* /opt/cola/permits/1160879740_1620413007.96/0/pallets-flask-sqlalchemy-2.5.1-0-gda0e0df-tar-gz/pallets-flask-sqlalchemy-da0e0df/setup.py
1.160 keyutils 1.6.3-r0

1.160.1 Available under license:

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Version 2.1, February 1999

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source code from the same place satisfies the requirement to
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When a "work that uses the Library" uses material from a header file
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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
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of these things:

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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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1.165 python-dotenv 0.18.0

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1.166 musl 1.2.2-r1

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1.171 py 1.10.0
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1.172 flask-httpauth 4.4.0

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# SPLITMIX64

Written in 2015 by Sebastiano Vigna (vigna@acm.org)

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## SFC64

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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

https://gist.github.com/imneme/f1f7821f07cf76504a97f6537e818083

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The rk_random and rk_seed functions algorithms and the original design of the Mersenne Twister RNG:

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

Constants used in the rk_double implementation by Isaku Wada.

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1.177 lxml 4.6.3

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A. HISTORY OF THE SOFTWARE

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

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

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

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

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1.190 libxml 2.9.12-r1

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1.192 watch-dog 2.1.3

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