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1.5 zlib 1.2.5

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/* zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.11, January 15th, 2017

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1.6 file 5.39

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1.7 elfutils 0.180

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If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

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

Yoyodyne, Inc., hereby disclaims all copyright interest in the program 'Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989 Ty Coon, President of Vice

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

1.10 cracklib 2.9.5-r0

1.10.1 Available under license :

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^L

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^L

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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. ^L

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

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

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

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

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^L

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^L

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

That's all there is to it!

EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)

Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=

r=20 GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists =2Dmike

Re: [Cracklib-devel] cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18 I understand that, and you're welcome to bring it up with Alec directly and see if he wants to relicense his code as LGPL... but at this point, it was enough to just get it consistent and documented as to what it was released under. This wasn't actually a license change, just a clarification of the licensing that was already in place.=20

-- Nathan

=20

Nathan Neulinger EMail: nneul@um...

University of Missouri - Rolla Phone: (573) 341-6679 UMR Information Technology Fax: (573) 341-4216

> ----- Original Message-----

> From: cracklib-devel-bounces@li...

> [mailto:cracklib-devel-bounces@li...] On Behalf Of

> Mike Frysinger

> Sent: Monday, October 01, 2007 8:15 PM

> To: cracklib-devel@li...

> Subject: [Cracklib-devel] cracklib license

>=20

> looks like 2.8.11 is out and marked as "GPL-2" ... releasing

> libraries under

> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists

> -mike

Re: [Cracklib-devel] cracklib license From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML

On Monday 01 October 2007, Neulinger, Nathan wrote:

> I understand that, and you're welcome to bring it up with Alec directly

> and see if he wants to relicense his code as LGPL... but at this point,

> it was enough to just get it consistent and documented as to what it was

> released under. This wasn't actually a license change, just a

> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not=20 GPL-2 ... it was a modified artistic license ... i didnt notice the license=

change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th= eir=20

applications are also GPL-2 which imo is just wrong. it isnt the place of = a=20

library to dictact to application writes what license they should be using.= =20

thus LGPL-2.1 enters to fill this void.

=2Dmike

Re: [Cracklib-devel] cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46 Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme y'all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan =20

Nathan Neulinger EMail: nneul@um... University of Missouri - Rolla Phone: (573) 341-6679 UMR Information Technology Fax: (573) 341-4216

>-----Original Message-----

> From: cracklib-devel-bounces@li...

> [mailto:cracklib-devel-bounces@li...] On Behalf Of

- > Mike Frysinger
- > Sent: Monday, October 01, 2007 8:33 PM
- > To: Neulinger, Nathan
- > Cc: cracklib-devel@li...; Alec Muffett
- > Subject: Re: [Cracklib-devel] cracklib license

>=20

> On Monday 01 October 2007, Neulinger, Nathan wrote:

>> I understand that, and you're welcome to bring it up with Alec

> directly

>> and see if he wants to relicense his code as LGPL... but at this

> point,

>> it was enough to just get it consistent and documented as to what > it was

>> released under. This wasn't actually a license change, just a

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- > place of a
- > library to dictact to application writes what license they should
- > be using.
- > thus LGPL-2.1 enters to fill this void.
- > -mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57

> Seems like the ideal thing here would be for you and the other distro

> maintainers to get together with Alec in a conversation and come to a

> decision as to what licensing scheme y'all want. I haven't really done

- > much other than cleaning up the packaging and patches and a small > bit of
- > additional code, so whatever licensing y'all come up with is fine > by me.

I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be linked with any code, not just GPL...

-a

Re: [Cracklib-devel] cracklib license

From: Devin Reade <gdr@gn...> - 2007-10-02 15:04 I would like to see it under LGPL as well. I think it is in everyone's best interests to have as secure systems as possible, and I think tainting it via GPL will just make it less likely that the library gets used, and will not usually cause companies/developers to GPL the dependent code (where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct license in this situation.

Devin --If it's sinful, it's more fun. Re: [Cracklib-devel] cracklib license

From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.
> I am sympathetic. Guys, what do you reckon?

> What I am hearing so far is that LGPL makes sense, since it can be > linked with any code, not just GPL...

My apologies for not chiming in in anything resembling a reasonable timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the GPL would permit applications which were released under version 3 of the GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:

> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

>>> Seems like the ideal thing here would be for you and the other distro

>>> maintainers to get together with Alec in a conversation and come to a

>>> decision as to what licensing scheme y'all want. I haven't really done

>>> much other than cleaning up the packaging and patches and a small

>>> bit of

>>> additional code, so whatever licensing y'all come up with is fine

>>> by me.

>>

>> I am sympathetic. Guys, what do you reckon?

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>>
```

>> What I am hearing so far is that LGPL makes sense, since it can be

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>

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> GPL would permit applications which were released under version 3 of the

> GPL to use the library, too, which would be sufficient for the packages

> which are included in Fedora. FWIW, I'd personally lean toward LGPL.

>

> In any case, I thank you both for working on sorting this out.

looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now ?
-mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18

>> In any case, I thank you both for working on sorting this out.

>

> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make > the change now ?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML

On Sunday 05 October 2008, Alec Muffett wrote:

>>> In any case, I thank you both for working on sorting this out.

>>

>> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we

```
>> make the change now ?
```

```
>
```

> yes. go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ... -mike

BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

From alecm@crypticide.com Mon Oct 1 12:26:03 2007 Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959); Mon, 1 Oct 2007 12:26:03 -0500 Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959); Mon, 1 Oct 2007 12:26:02 -0500 Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000 Received: from smtp1.srv.mst.edu (131.151.1.43) by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000 Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47]) by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id 191Gxtpr020623 for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500 Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142]) by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311 for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT) Received: from [82.68.43.14] (helo=[192.168.1.3]) by rutherford.zen.co.uk with esmtp (Exim 4.50) id 1IcOcX-0004Qt-6L for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000 Mime-Version: 1.0 (Apple Message framework v752.2) In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com> References: <1190922867.3457.147.camel@localhost.localdomain> <EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu> <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com> Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFEBE6E9F@crypticide.com> Content-Transfer-Encoding: 7bit

From: Alec Muffett <alecm@crypticide.com> Subject: Re: cracklib license Date: Mon, 1 Oct 2007 17:59:46 +0100 To: Nathan Neulinger <nneul@neulinger.org> X-Mailer: Apple Mail (2.752.2) X-Originating-Rutherford-IP: [82.68.43.14] Return-Path: alecm@crypticide.com X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450] Status: RO Content-Length: 585 Lines: 21

```
>------- Forwarded message ------
> From: Neulinger, Nathan <nneul@umr.edu>
> Date: Sep 27, 2007 2:58 PM
> Subject: RE: cracklib license
> To: alecm@crypto.dircon.co.uk
>
> Any chance you could write me a self-contained email stating clearly
> that the license is being changed to GPL, so I could include that
> email
> in the repository and clean up the repository/tarballs? I have all the
> original discussion, but something succinct and self contained
> would be
> ideal.
```

The license for my code in the Cracklib distribution is henceforth GPL.

```
Happy now? :-)
```

```
-a
```

>

1.11 libdaemon 0.14 1.11.1 Available under license :

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[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence

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

That's all there is to it!

1.12 urllib3 1.25.8-2ubuntu0.1

1.12.1 Available under license :

Contributions to the urllib3 project

Creator & Maintainer

* Andrey Petrov <andrey.petrov@shazow.net>

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 vendoring
- * Wolfgang Richter < wolfgang.richter@gmail.com>
- * Bugfix related to loading full certificate chains with PyOpenSSL backend.
- * Mike Miller <github@mikeage.net>
- * Logging improvements to include the HTTP(S) port when opening a new connection
- * Ioannis Tziakos <mail@itziakos.gr>
- * Fix ``util.selectors._fileobj_to_fd`` to accept ``long``.
- * Update appveyor tox setup to use the 64bit python.
- * Akamai (through Jess Shapiro) <jshapiro@akamai.com>
- * Ongoing maintenance; 2017-2018
- * Dominique Leuenberger <dimstar@opensuse.org>
- * Minor fixes in the test suite
- * Will Bond <will@wbond.net>
- * Add Python 2.6 support to ``contrib.securetransport``
- * Aleksei Alekseev <alekseev.yeskela@gmail.com>
- * using auth info for socks proxy
- * Chris Wilcox <git@crwilcox.com>
- * Improve contribution guide
- * Add ``HTTPResponse.geturl`` method to provide ``urllib2.urlopen().geturl()`` behavior
- * Bruce Merry <https://www.brucemerry.org.za>
- * Fix leaking exceptions when system calls are interrupted with zero timeout
- * Hugo van Kemenade <https://github.com/hugovk>

* Drop support for EOL Python 2.6

* Tim Bell <https://github.com/timb07>

* Bugfix for responses with Content-Type: message/* logging warnings

* Justin Bramley https://github.com/jbramleycl

* Add ability to handle multiple Content-Encodings

* Katsuhiko YOSHIDA < https://github.com/kyoshidajp>

* Remove Authorization header regardless of case when redirecting to cross-site

* James Meickle <https://permadeath.com/>

* Improve handling of Retry-After header

* Chris Jerdonek <chris.jerdonek@gmail.com>

* Remove a spurious TypeError from the exception chain inside HTTPConnectionPool._make_request(), also for BaseExceptions.

* [Your name or handle] <[email or website]>

* [Brief summary of your changes]

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

Upstream-Name: urllib3

Upstream-Contact: Andrey Petrov <andrey.petrov@shazow.net>

Source: https://pypi.org/project/urllib3/

Files: *

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1.13 safestring 4.1.3

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/*

SafeSting length(), trim()

by Matthew Ford

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/* SafeStringInClasses_1.ino Example of using SafeString for Class char[]s

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download and install the SafeString library from Arduino library manager or from www.forward.com.au/pfod/ArduinoProgramming/SafeString/index.html */

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/*

SafeString removeFrom(), removeBefore(), remove(), removeLast(), keepLast() Examples of SafeString remove

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/*

SafeString startsWith(), startsWithIgnoreCase(), endsWithCharFrom() and endsWith()

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/*

SafeString from char[] constructor Examples of how to create SafeStrings from an existing char[] also see the SafeString_ConstructorAndDebugging, SafeStringFromCharPtr and SafeStringFromCharPtrWithSize examples

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/*

SafeString to Number conversion Examples of SafeString to Number conversions and comparing these to the results from String methods

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/*

Test Errors for Assignment to SafeStrings using the = operator

by Matthew Ford

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/*

SafeString replace() Examples of SafeString replace for chars and strings

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/*

Comparing SafeStrings Examples of how to compare SafeStrings using the comparison operators

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/* SafeString substring() Examples of SafeString substring

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/* SafeStringWithArraysOfCstrings.ino
Example of using SafeString for working with char[][xx]

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download and install the SafeString library from Arduino library manager or from www.forward.com.au/pfod/ArduinoProgramming/SafeString/index.html */

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/*

SafeString charAt() and setCharAt() Examples of how to get and set characters of a SafeString

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/*

SafeString.h static memory SafeString library modified by Matthew Ford Mods Copyright(c)2020 Forward Computing and Control Pty. Ltd. All rights reservered subject to the License below

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/*

Appending to SafeStrings using the += operator and concat() Examples of how to append different data types to SafeStrings Also has examples of using hasError() method

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/*

sfStream.ino

SafeStringStream Unit test Example of using SafeStringStream

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https://www.forward.com.au/pfod/ArduinoProgramming/Serial_IO/index.html */

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/*

Fixed 9 Formatting of double/float/long/ing

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www.forward.com.au/pfod/ArduinoProgramming/SafeString/index.html */

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/* SSring indexOf() and lastIndexOf()

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/*

SafeString readUntil, non-blocking until delimiter found Example of how to use the non-blocking readUntil() method to parse a CSV line

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/*

SafeString from char* with specified size constructor Examples of how to create SafeStrings from an existing pointer to a char[] also see the SafeString_ConstructorAndDebugging, SafeStringFromCharArray and SafeStringFromCharPtr examples

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/*

SafeString constructors and assignments Examples of how to create SafeStrings and how to assign SafeStrings from other data types also see the SafeStringFromCharArray, SafeStringFromCharPtr and SafeStringFromCharPtrWithSize examples

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 $4.1.24 / examples/SafeString_ConstructorAndDebugging/SafeString_ConstructorAndDebugging.in o$

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/*

SafeStringReader_GPS.ino

This example reads GPS data from a SafeStringStream continuously using a SafeStringReader

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/*

SafeString from char* constructor Examples of how to create SafeStrings from an existing pointer to a char[] also see the SafeString_ConstructorAndDebugging, SafeStringFromCharArray and SafeStringFromCharPtrWithSize examples

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/*

Tokenizing SafeStrings and converting to numbers Examples of how to use the stoken and toLong() and toDouble() to parse a CSV line

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Tokenizing SafeStrings and converting to numbers Examples of how to use the nextToken() and toLong() and toDouble() to parse a CSV line

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/*

Prefixing to SafeStrings using the -= operator and prefix() Examples of how to prefix different data types to SafeStrings

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SafeStringReader_flushInput.ino

This example flushes any initial input and also starts flushing if "flush" is found in the text stream

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download and install the SafeString library from Arduino library manager or from www.forward.com.au/pfod/ArduinoProgramming/SafeString/index.html */

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/*

/*

SafeString Case changes Examples of how to change the case of a SafeString

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www.forward.com.au/pfod/ArduinoProgramming/SafeString/index.html */

Found in path(s):

* /opt/cola/permits/1439711747_1665547780.0078397/0/safestring-4-1-24-zip/SafeString-4.1.24/examples/SafeString_Tests/SafeStringCaseChanges/SafeStringCaseChanges.ino No license file was found, but licenses were detected in source scan.

/*

Blink

Turns an led on for one second, then off for one second, repeatedly.

Most Arduinos have an on-board led you can control. On the UNO, MEGA and ZERO it is attached to digital pin 13, on MKR1000 on pin 6. led is set to the correct led pin independent of which board is used. If you want to know what pin the on-board led is connected to on your Arduino model, check the Technical Specs of your board at: modified 8 May 2014 by Scott Fitzgerald modified 2 Sep 2016 by Arturo Guadalupi modified 8 Sep 2016 by Colby Newman

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http://www.arduino.cc/en/Tutorial/Blink */

Found in path(s):

* /opt/cola/permits/1439711747_1665547780.0078397/0/safestring-4-1-24-zip/SafeString-4.1.24/examples/loopTimer/LoopTimer_BlinkDelay/LoopTimer_BlinkDelay.ino No license file was found, but licenses were detected in source scan.

/*

OBD_Processor.ino for SafeString V4.0.0+

Example of using SafeString to process Car OnBoardData

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download and install the SafeString library V4.0.0+ from Arduino library manager or from www.forward.com.au/pfod/ArduinoProgramming/SafeString/index.html */

Found in path(s):

* /opt/cola/permits/1439711747_1665547780.0078397/0/safestring-4-1-24-zip/SafeString-4.1.24/examples/OBD_Processor/OBD_Processor.ino
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/*

SafeString.cpp V2.0.0 static memory SafeString library modified by Matthew Ford Mods Copyright(c)2020 Forward Computing and Control Pty. Ltd. All rights reservered subject to the License below

extensively modified from

WString.cpp - SafeString library for Wiring & Arduino ...mostly rewritten by Paul Stoffregen... Copyright (c) 2009-10 Hernando Barragan. All rights reserved. Copyright 2011, Paul Stoffregen, paul@pjrc.com

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* /opt/cola/permits/1439711747_1665547780.0078397/0/safestring-4-1-24-zip/SafeString-4.1.24/src/SafeString.cpp No license file was found, but licenses were detected in source scan.

/*

Appending to SafeStrings using print()/println() Examples of how to use the standard print()/println() to append and format different data types to SafeStrings

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www.forward.com.au/pfod/ArduinoProgramming/SafeString/index.html */

Found in path(s):

* /opt/cola/permits/1439711747_1665547780.0078397/0/safestring-4-1-24-zip/SafeString-4.1.24/examples/SafeString_Tests/SafeStringPrint/SafeStringPrint.ino
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/* SafeStringReader_Assign.ino

This example = to SafeStringReader

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Found in path(s):

* /opt/cola/permits/1439711747_1665547780.0078397/0/safestring-4-1-24-zip/SafeString-

 $4.1.24 / examples / Safe String Reader _ Assign / Safe String Reader _ Assign. in otherwise and the same string reader _ Assign and the$

1.14 libunwind 1.5.0

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1.15 cffi 1.14.0 1.15.1 Available under license :

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1.16 libnsl 1.3.0-r0

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1.17 libtasn 4.16.0

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1.18 pyasn1 0.4.8

1.18.1 Available under license :

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Metadata-Version: 1.2 Name: pyasn1 Version: 0.4.8 Summary: ASN.1 types and codecs Home-page: https://github.com/etingof/pyasn1 Author: Ilya Etingof Author-email: etingof@gmail.com Maintainer: Ilya Etingof <etingof@gmail.com> License: BSD Description: Pure-Python implementation of ASN.1 types and DER/BER/CER codecs (X.208) Platform: any

Classifier: Development Status :: 5 - Production/Stable

Classifier: Environment :: Console

Classifier: Intended Audience :: Developers

Classifier: Intended Audience :: Education

Classifier: Intended Audience :: Information Technology

Classifier: Intended Audience :: System Administrators

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Classifier: Programming Language :: Python :: 2

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ASN.1 library for Python

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

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Status](https://img.shields.io/codecov/c/github/etingof/pyasn1.svg)](https://codecov.io/github/etingof/pyasn1) [![GitHub license](https://img.shields.io/badge/license-BSD-

blue.svg)](https://raw.githubusercontent.com/etingof/pyasn1/master/LICENSE.txt)

This is a free and open source implementation of ASN.1 types and codecs

as a Python package. It has been first written to support particular

protocol (SNMP) but then generalized to be suitable for a wide range

of protocols based on

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

Features

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

* Contributed ASN.1 compiler [Asn1ate](https://github.com/kimgr/asn1ate)

Why using pyasn1

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

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

Quite a number of books cover the topic of ASN.1. [Communication between heterogeneous systems](http://www.oss.com/asn1/dubuisson.html) by Olivier Dubuisson is one of those high quality books freely available on the Internet.

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

How to use pyasn1

With pyasn1 you can build Python objects from ASN.1 data structures. For example, the following ASN.1 data structure:

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

Could be expressed in pyasn1 like this:

```
```python
class Record(Sequence):
  componentType = NamedTypes(
    NamedType('id', Integer()),
    OptionalNamedType(
        'room', Integer().subtype(
```

```
implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
)
),
DefaultedNamedType(
    'house', Integer(0).subtype(
        implicitTag=Tag(tagClassContext, tagFormatSimple, 1)
    )
)
)
```

It is in the spirit of ASN.1 to take abstract data description and turn it into a programming language specific form. Once you have your ASN.1 data structure expressed in Python, you can use it along the lines of similar Python type (e.g. ASN.1 `SET` is similar to Python `dict`, `SET OF` to `list`):

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

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

```
```python
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
000000: 30 07 02 01 7B 80 02 01 41
```
```

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

```
```python
>>> from pyasn1.codec.der.decoder import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())
>>>
>>> for field in received_record:
>>> print('{} is {}'.format(field, received_record[field]))
```

```
id is 123
room is 321
house is 0
>>>
>>> record == received_record
True
>>> received_record.update(room=123)
>>> substrate = encode(received_record)
>>> hexdump(substrate)
00000: 30 06 02 01 7B 80 01 7B
....
```

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

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

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

#### ```python

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

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

More information on pyasn1 APIs can be found in the [documentation](http://snmplabs.com/pyasn1/), compiled ASN.1 modules for different protocols and file formats could be found in the pyasn1-modules [repo](https://github.com/etingof/pyasn1-modules). How to get pyasn1

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

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

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

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ASN.1 library for Python

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

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

What is ASN.1

-----

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

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

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

In the following years, generations of software engineers tackled the serialisation problem many times. We can see that in Google's `ProtoBuffers <https://developers.google.com/protocol-buffers/>`\_

or `FlatBuffers <https://google.github.io/flatbuffers/>`\_, for example. Interestingly, many new takes on binary protocol design do not depart far from ASN.1 from technical perspective. It's more of a matter of striking a balance between processing overhead, wire format overhead and human readability.

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

\* Data types: the standard introduces a collection of basic data types (integers, bits, strings, arrays and records) that can be used for describing arbitrarily complex, nested data structures.

\* Serialisation protocols: the above data structures could be converted into a series of octets for storage or transmission over the wire as well as recovered back into their structured form. The system is fully agnostic

to hardware architectures differences.

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

ASN.1 applications

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

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

ASN.1 gotchas

\_\_\_\_\_

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

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

#### Documentation

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.. toctree::

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/pyasn1/contents

Use case

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/example-use-case

Download & Install

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/download

Changes

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

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/changelog

License

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

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Getting help

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

Books on ASN.1

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

books:

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

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

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

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

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

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

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

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# 1.19 ply 3.11 1.19.1 Available under license :

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# PLY (Python Lex-Yacc) Version 3.11

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

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#### Introduction

\_\_\_\_\_

PLY is a 100% Python implementation of the common parsing tools lex and yacc. Here are a few highlights:

- PLY is very closely modeled after traditional lex/yacc. If you know how to use these tools in C, you will find PLY to be similar.
- PLY provides \*very\* extensive error reporting and diagnostic information to assist in parser construction. The original implementation was developed for instructional purposes. As a result, the system tries to identify the most common types of errors made by novice users.
- PLY provides full support for empty productions, error recovery, precedence specifiers, and moderately ambiguous grammars.
- Parsing is based on LR-parsing which is fast, memory efficient, better suited to large grammars, and which has a number of nice properties when dealing with syntax errors and other parsing problems. Currently, PLY builds its parsing tables using the LALR(1) algorithm used in yacc.
- PLY uses Python introspection features to build lexers and parsers. This greatly simplifies the task of parser construction since it reduces the number of files and eliminates the need to run a separate lex/yacc tool before running your program.
- PLY can be used to build parsers for "real" programming languages.
   Although it is not ultra-fast due to its Python implementation,
   PLY can be used to parse grammars consisting of several hundred
   rules (as might be found for a language like C). The lexer and LR
   parser are also reasonably efficient when parsing typically

sized programs. People have used PLY to build parsers for C, C++, ADA, and other real programming languages.

How to Use

\_\_\_\_\_

PLY consists of two files : lex.py and yacc.py. These are contained within the 'ply' directory which may also be used as a Python package. To use PLY, simply copy the 'ply' directory to your project and import lex and yacc from the associated 'ply' package. For example:

import ply.lex as lex import ply.yacc as yacc

Alternatively, you can copy just the files lex.py and yacc.py individually and use them as modules. For example:

import lex import yacc

The file setup.py can be used to install ply using distutils.

The file doc/ply.html contains complete documentation on how to use the system.

The example directory contains several different examples including a PLY specification for ANSI C as given in K&R 2nd Ed.

A simple example is found at the end of this document

#### Requirements

#### \_\_\_\_\_

PLY requires the use of Python 2.6 or greater. However, you should use the latest Python release if possible. It should work on just about any platform. PLY has been tested with both CPython and Jython. It also seems to work with IronPython.

#### Resources

#### \_\_\_\_\_

More information about PLY can be obtained on the PLY webpage at:

http://www.dabeaz.com/ply

For a detailed overview of parsing theory, consult the excellent book "Compilers : Principles, Techniques, and Tools" by Aho, Sethi, and Ullman. The topics found in "Lex & Yacc" by Levine, Mason, and Brown may also be useful. The GitHub page for PLY can be found at:

https://github.com/dabeaz/ply

An old and relatively inactive discussion group for PLY is found at:

http://groups.google.com/group/ply-hack

#### Acknowledgments

\_\_\_\_\_

A special thanks is in order for all of the students in CS326 who suffered through about 25 different versions of these tools :-).

The CHANGES file acknowledges those who have contributed patches.

Elias Ioup did the first implementation of LALR(1) parsing in PLY-1.x. Andrew Waters and Markus Schoepflin were instrumental in reporting bugs and testing a revised LALR(1) implementation for PLY-2.0.

#### Special Note for PLY-3.0

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PLY-3.0 the first PLY release to support Python 3. However, backwards compatibility with Python 2.6 is still preserved. PLY provides dual Python 2/3 compatibility by restricting its implementation to a common subset of basic language features. You should not convert PLY using 2to3--it is not necessary and may in fact break the implementation.

#### Example

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Here is a simple example showing a PLY implementation of a calculator with variables.

```

calc.py
#
A simple calculator with variables.

tokens = (
 'NAME','NUMBER',
 'PLUS','MINUS','TIMES','DIVIDE','EQUALS',
 'LPAREN','RPAREN',
```

```
)
```

# Tokens

 $t\_PLUS = r' + '$ 

```
t_MINUS = r'-'
t_TIMES = r' *'
t_DIVIDE = r'/'
t_EQUALS = r'='
t_LPAREN = r' ('
t_RPAREN = r')'
t_NAME = r'[a-zA-Z_][a-zA-Z0-9_]*'
def t_NUMBER(t):
 r'd+'
 t.value = int(t.value)
 return t
Ignored characters
t_ignore = " t"
def t_newline(t):
 r' n+'
 t.lexer.lineno += t.value.count("\n")
def t_error(t):
 print("Illegal character '%s'" % t.value[0])
 t.lexer.skip(1)
Build the lexer
import ply.lex as lex
lex.lex()
Precedence rules for the arithmetic operators
precedence = (
 ('left','PLUS','MINUS'),
 ('left','TIMES','DIVIDE'),
 ('right','UMINUS'),
)
dictionary of names (for storing variables)
names = \{ \}
def p_statement_assign(p):
 'statement : NAME EQUALS expression'
 names[p[1]] = p[3]
def p_statement_expr(p):
 'statement : expression'
 print(p[1])
def p_expression_binop(p):
```

"expression : expression PLUS expression

```
| expression MINUS expression
 | expression TIMES expression
 | expression DIVIDE expression'''
 if p[2] == '+' : p[0] = p[1] + p[3]
 elif p[2] == '-': p[0] = p[1] - p[3]
 elif p[2] == '*': p[0] = p[1] * p[3]
 elif p[2] == '/': p[0] = p[1] / p[3]
def p_expression_uminus(p):
 'expression : MINUS expression %prec UMINUS'
 p[0] = -p[2]
def p_expression_group(p):
 'expression : LPAREN expression RPAREN'
 p[0] = p[2]
def p_expression_number(p):
 'expression : NUMBER'
 p[0] = p[1]
def p_expression_name(p):
 'expression : NAME'
 try:
 p[0] = names[p[1]]
 except LookupError:
 print("Undefined name '%s'" % p[1])
 p[0] = 0
def p_error(p):
 print("Syntax error at '%s'" % p.value)
import ply.yacc as yacc
yacc.yacc()
while True:
 try:
 s = raw_input('calc > ') # use input() on Python 3
 except EOFError:
 break
 yacc.parse(s)
```

### Bug Reports and Patches

My goal with PLY is to simply have a decent lex/yacc implementation for Python. As a general rule, I don't spend huge amounts of time working on it unless I receive very specific bug reports and/or patches to fix problems. I also try to incorporate submitted feature requests and enhancements into each new version. Please visit the PLY github page at https://github.com/dabeaz/ply to submit issues and pull requests. To contact me about bugs and/or new features, please send email to dave@dabeaz.com.

-- Dave

Found in path(s):

\* /opt/cola/permits/1160874329\_1620411264.5/0/dabeaz-ply-3-11-0-g0f398b7-1-tar-gz/dabeaz-ply-0f398b7/README.md No license file was found, but licenses were detected in source scan.

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\* /opt/cola/permits/1160874329\_1620411264.5/0/dabeaz-ply-3-11-0-g0f398b7-1-tar-gz/dabeaz-ply-0f398b7/ply/yacc.py

# 1.20 glibc 2.32

# 1.20.1 Available under license :

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@c This file is intended to be included within another document,@c hence no sectioning command or @node.

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/\* zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.11, January 15th, 2017

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# 1.25 tdb 1.43

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# 1.26 intel-openmp 2.2.0

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# 1.27 python3-asn1crypto 1.4.0

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## 1.30 eudev 3.2.9

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## 1.36 fdisk 2.36.0

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## 1.38 idna 12.1.0

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## 1.39 libusb-compat 0.1.7-r1

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

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

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

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

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

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

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

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

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

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

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution. d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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

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

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## **1.40 libtool 0.1** 1.40.1 Available under license :

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"Source code" for a work means the preferred form of the work for

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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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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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

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

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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.

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

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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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Release Derived Year Owner GPLfrom compatible? (1)

| 2.5   | 2.4   | 2006 | PSF | yes |
|-------|-------|------|-----|-----|
| 2.5.1 | 2.5   | 2007 | PSF | yes |
| 2.5.2 | 2.5.1 | 2008 | PSF | yes |
| 2.5.3 | 2.5.2 | 2008 | PSF | yes |
| 2.6   | 2.5   | 2008 | PSF | yes |
| 2.6.1 | 2.6   | 2008 | PSF | yes |
| 2.6.2 | 2.6.1 | 2009 | PSF | yes |
| 2.6.3 | 2.6.2 | 2009 | PSF | yes |
| 2.6.4 | 2.6.3 | 2009 | PSF | yes |
| 2.6.5 | 2.6.4 | 2010 | PSF | yes |
| 3.0   | 2.6   | 2008 | PSF | yes |
| 3.0.1 | 3.0   | 2009 | PSF | yes |
| 3.1   | 3.0.1 | 2009 | PSF | yes |
| 3.1.1 | 3.1   | 2009 | PSF | yes |
| 3.1.2 | 3.1.1 | 2010 | PSF | yes |
| 3.1.3 | 3.1.2 | 2010 | PSF | yes |
| 3.1.4 | 3.1.3 | 2011 | PSF | yes |
| 3.2   | 3.1   | 2011 | PSF | yes |
| 3.2.1 | 3.2   | 2011 | PSF | yes |
| 3.2.2 | 3.2.1 | 2011 | PSF | yes |
| 3.3   | 3.2   | 2012 | PSF | yes |

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| Release    | Deriv   | ed Ye    | ar Ow    | mer GPL-      |
|------------|---------|----------|----------|---------------|
|            | from    |          | COI      | mpatible? (1) |
|            |         |          |          |               |
| 0.9.0 thru |         |          | -1995 CV | •             |
| 1.3 thru 1 |         |          | 5-1999 C | NRI yes       |
| 1.6        | 1.5.2   | 2000     | CNRI     | no            |
| 2.0        | 1.6     | 2000     | BeOper   | n.com no      |
| 1.6.1      | 1.6     | 2001     | CNRI     | yes (2)       |
| 2.1        | 2.0+1.6 | .1 2001  | PSF      | no            |
| 2.0.1      | 2.0+1.6 | 5.1 2001 | PSF      | yes           |
| 2.1.1      | 2.1+2.0 | 0.1 2001 | PSF      | yes           |
| 2.2        | 2.1.1   | 2001     | PSF      | yes           |
| 2.1.2      | 2.1.1   | 2002     | PSF      | yes           |
| 2.1.3      | 2.1.2   | 2002     | PSF      | yes           |
| 2.2.1      | 2.2     | 2002     | PSF      | yes           |
| 2.2.2      | 2.2.1   | 2002     | PSF      | yes           |
| 2.2.3      | 2.2.2   | 2003     | PSF      | yes           |
| 2.3        | 2.2.2   | 2002-2   | 003 PSF  | yes           |
| 2.3.1      | 2.3     | 2002-2   | 003 PSF  | yes           |
| 2.3.2      | 2.3.1   | 2002-2   | 2003 PSF | yes           |
| 2.3.3      | 2.3.2   | 2002-2   | 2003 PSF | yes           |
| 2.3.4      | 2.3.3   | 2004     | PSF      | yes           |
| 2.3.5      | 2.3.4   | 2005     | PSF      | yes           |
| 2.4        | 2.3     | 2004     | PSF      | yes           |
| 2.4.1      | 2.4     | 2005     | PSF      | yes           |
| 2.4.2      | 2.4.1   | 2005     | PSF      | yes           |
| 2.4.3      | 2.4.2   | 2006     | PSF      | yes           |
| 2.4.4      | 2.4.3   | 2006     | PSF      | yes           |
| 2.5        | 2.4     | 2006     | PSF      | yes           |
| 2.5.1      | 2.5     | 2007     | PSF      | yes           |
| 2.5.2      | 2.5.1   | 2008     | PSF      | yes           |
| 2.5.3      | 2.5.2   | 2008     | PSF      | yes           |
| 2.6        | 2.5     | 2008     | PSF      | yes           |
|            |         |          |          |               |

| 2.6.1 | 2.6   | 2008 | PSF | yes |
|-------|-------|------|-----|-----|
| 2.6.2 | 2.6.1 | 2009 | PSF | yes |
| 2.6.3 | 2.6.2 | 2009 | PSF | yes |
| 2.6.4 | 2.6.3 | 2009 | PSF | yes |
| 2.6.5 | 2.6.4 | 2010 | PSF | yes |
| 2.7   | 2.6   | 2010 | PSF | yes |

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|------------|----------|----------|----------|--------------|
|            | from     |          | com      | patible? (1) |
|            |          |          |          |              |
| 0.9.0 thru | 1.2      | 1991-    | 1995 CW  | I yes        |
| 1.3 thru 1 | .5.2 1.2 | 1995     | -1999 CN | NRI yes      |
| 1.6        | 1.5.2    | 2000     | CNRI     | no           |
| 2.0        | 1.6      | 2000     | BeOpen.  | com no       |
| 1.6.1      | 1.6      | 2001     | CNRI     | yes (2)      |
| 2.1        | 2.0+1.6  | .1 2001  | PSF      | no           |
| 2.0.1      | 2.0+1.6  | 5.1 2001 | PSF      | yes          |
| 2.1.1      | 2.1+2.0  | 0.1 2001 | PSF      | yes          |
| 2.2        | 2.1.1    | 2001     | PSF      | yes          |
| 2.1.2      | 2.1.1    | 2002     | PSF      | yes          |
| 2.1.3      | 2.1.2    | 2002     | PSF      | yes          |
| 2.2.1      | 2.2      | 2002     | PSF      | yes          |
| 2.2.2      | 2.2.1    | 2002     | PSF      | yes          |
| 2.2.3      | 2.2.2    | 2003     | PSF      | yes          |
| 2.3        | 2.2.2    | 2002-20  | 003 PSF  | yes          |
| 2.3.1      | 2.3      | 2002-20  | 003 PSF  | yes          |
| 2.3.2      | 2.3.1    | 2002-2   | 003 PSF  | yes          |
|            |          |          |          |              |

| 2.3.3 | 2.3.2 | 2002-20 | 003 PSF | yes |
|-------|-------|---------|---------|-----|
| 2.3.4 | 2.3.3 | 2004    | PSF     | yes |
| 2.3.5 | 2.3.4 | 2005    | PSF     | yes |
| 2.4   | 2.3   | 2004    | PSF     | yes |
| 2.4.1 | 2.4   | 2005    | PSF     | yes |
| 2.4.2 | 2.4.1 | 2005    | PSF     | yes |
| 2.4.3 | 2.4.2 | 2006    | PSF     | yes |
| 2.4.4 | 2.4.3 | 2006    | PSF     | yes |
| 2.5   | 2.4   | 2006    | PSF     | yes |
| 2.5.1 | 2.5   | 2007    | PSF     | yes |
| 2.5.2 | 2.5.1 | 2008    | PSF     | yes |
| 2.5.3 | 2.5.2 | 2008    | PSF     | yes |
| 2.6   | 2.5   | 2008    | PSF     | yes |
| 2.6.1 | 2.6   | 2008    | PSF     | yes |
| 2.6.2 | 2.6.1 | 2009    | PSF     | yes |
| 2.6.3 | 2.6.2 | 2009    | PSF     | yes |
| 2.6.4 | 2.6.3 | 2009    | PSF     | yes |
| 2.6.5 | 2.6.4 | 2010    | PSF     | yes |
| 3.0   | 2.6   | 2008    | PSF     | yes |
| 3.0.1 | 3.0   | 2009    | PSF     | yes |
| 3.1   | 3.0.1 | 2009    | PSF     | yes |
| 3.1.1 | 3.1   | 2009    | PSF     | yes |
| 3.1.2 | 3.1   | 2010    | PSF     | yes |
| 3.2   | 3.1   | 2010    | PSF     | yes |

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d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

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This option is useful when you wish to copy part of the code of

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

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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 compile or link a "work that uses the Library" with the Library to produce a

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b) 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.

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# 1.46 chardet 3.0.4

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/\* zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.11, January 15th, 2017

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\*/

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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
```

```
6 12544 16127 3584 1.8M
```

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x ?"U@,5 @mISmIN<GimCN7g1u|E 43mI,5WEV @@ WEV @mImImIAmImI0mImImI\*mImI A0mImImI... lost+found...

;9GimCN7g

```
!"#$%&'()*+,-
./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~
```

!"#\$%&'()\*+,-

```
./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~
```

!"#\$%&'()\*+,-

```
./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~
```

!"#\$%&'()\*+,-

```
./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~WEV @@
WEV[B "1
```

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## 1.52 six 1.14.0

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Marc Abramowitz immerrr again Alexander Artemenko Aymeric Augustin Lee Ball Ben Bariteau Ned Batchelder Wouter Bolsterlee Brett Cannon Jason R. Coombs Julien Danjou Ben Darnell Ben Davis Jon Dufresne Tim Graham Thomas Grainger Max Grender-Jones Joshua Harlow Toshiki Kataoka Hugo van Kemenade Anselm Kruis Ivan Levkivskyi Alexander Lukanin James Mills Jordan Moldow Berker Peksag Sridhar Ratnakumar Erik Rose Mirko Rossini Peter Ruibal Miroslav Shubernetskiy Eli Schwartz Anthony Sottile Jonathan Vanasco Lucas Wiman Jingxin Zhu

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## 1.53 libwww 5.4.2

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

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

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--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@ @ -4,11 +4,11 @ @ Rev: 23371
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
Copyright (C) Andrew Tridgell 2005
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Theodore Ts'o 23-June-2007

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That's all there is to it! 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:

http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of: tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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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)
@echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(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 is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs". This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of: tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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Gadi Oxman, August 1995

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## 1.67 glib 2.64.5

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However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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"Source code" for a work means the preferred form of the work for

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

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## **1.77 pcre 8.44-r0** 1.77.1 Available under license :

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## THE BASIC LIBRARY FUNCTIONS

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Written by: Philip Hazel Email local part: ph10 Email domain: cam.ac.uk

University of Cambridge Computing Service, Cambridge, England.

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PCRE JUST-IN-TIME COMPILATION SUPPORT

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## 1.78 ptyprocess 0.6.0

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## 1.79 libusb-compat 0.1.7

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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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\* /opt/cola/permits/1102738801\_1610534739.81/0/multipart-parser-c-master-3-zip/multipart-parser-c-master/multipart\_parser.c

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

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-- vile:txtmode fc=72

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# 1.102 sysv-init 2.97

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## 1.103 jemalloc 5.2.1

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# 1.105 python 3.8.5

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

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

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

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

| Release                              | Deriv   | ed Yea   | ır Ow         | ner             | GPL- |
|--------------------------------------|---------|----------|---------------|-----------------|------|
| 1                                    | from    |          | CO            | compatible? (1) |      |
|                                      |         |          |               |                 |      |
| 0.9.0 thru 1.2                       |         | 1991-    | 1991-1995 CWI |                 | yes  |
| 1.3 thru 1.5.2 1.2 1995-1999 CNRI ye |         |          |               |                 | yes  |
| 1.6                                  | 1.5.2   | 2000     | CNRI          | no              |      |
| 2.0                                  | 1.6     | 2000     | BeOper        | 1.com n         | 10   |
| 1.6.1                                | 1.6     | 2001     | CNRI          | yes             | (2)  |
| 2.1                                  | 2.0+1.6 | .1 2001  | PSF           | no              |      |
| 2.0.1                                | 2.0+1.6 | 5.1 2001 | PSF           | ye              | s    |
| 2.1.1                                | 2.1+2.0 | 0.1 2001 | PSF           | ye              | s    |
| 2.1.2                                | 2.1.1   | 2002     | PSF           | yes             |      |
| 2.1.3                                | 2.1.2   | 2002     | PSF           | yes             |      |
| 2.2 and above 2.1.1 2001-now PSF yes |         |          |               |                 |      |

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# 1.110 nghttp2 1.41.0

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## 1.115 curl 7.72.0

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## 1.116 libusb 1.0.23

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## 1.119 libevdev 5.3

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# 1.120 mongoose-web-server 3.5

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