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1.3 libdaemon 0.14

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1.4 jansson 2.11

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1.6 ntp 4.2.8p15

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- 3. [3]Bernd Altmeier <altmeier@atlsoft.de> hopf Elektronik serial line and PCI-bus devices
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- 5. [6] Michael Barone < michael, barone@lmco.com > GPSVME fixes
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- 42. [45]Derek Mulcahy <derek@toybox.demon.co.uk> and [46]Damon Hart-Davis <d@hd.org> ARCRON MSF clock driver
- 43. [47]Rob Neal <neal@ntp.org> Bancomm refclock and config/parse code
 - maintenance
- 44. [48]Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de> monitoring/trap scripts, statistics file handling
- 45. [49]Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port
- 46. [50] Wilfredo Snchez <wsanchez@apple.com> added support for NetInfo
- 47. [51]Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
- 48. [52]Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory

- 49. [53]Ray Schnitzler <schnitz@unipress.com> Unixware1 port
- 50. [54] Michael Shields < shields @tembel.org > USNO clock driver
- 51. [55]Jeff Steinman < jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
- 52. [56]Harlan Stenn harlan@pfcs.com> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)
- 53. [57]Kenneth Stone <ken@sdd.hp.com> HP-UX port
- 54. [58] Ajit Thyagarajan <ajit@ee.udel.edu>IP multicast/anycast support
- 55. [59]Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp>TRAK clock driver
- 56. [60]Brian Utterback brian.utterback@oracle.com> General codebase, Solaris issues
- 57. [61]Loganaden Velvindron < loganaden@gmail.com> Sandboxing (libseccomp) support
- 58. [62]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
- 59. [63]Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD

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1.7 popt 1.18

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1.8 bash 5.0.18

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1.10 pyasn1 0.4.8

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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

```
Classifier: Intended Audience :: Telecommunications Industry
```

Classifier: License :: OSI Approved :: BSD License

Classifier: Natural Language :: English

Classifier: Operating System :: OS Independent Classifier: Programming Language :: Python :: 2 Classifier: Programming Language :: Python :: 2.4

Classifier:

Programming Language :: Python :: 2.5

Classifier: Programming Language :: Python :: 2.6 Classifier: Programming Language :: Python :: 2.7 Classifier: Programming Language :: Python :: 3 Classifier: Programming Language :: Python :: 3.2 Classifier: Programming Language :: Python :: 3.3 Classifier: Programming Language :: Python :: 3.4 Classifier: Programming Language :: Python :: 3.5 Classifier: Programming Language :: Python :: 3.6 Classifier: Programming Language :: Python :: 3.7

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- */opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/base.py
- * /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/codec/ber/decoder.py

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*/opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/type/char.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-
0.4.8/tests/codec/native/test_decoder.py
*/opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/compat/binary.py
```

- */opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/type/opentype.py
- $*/opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/compat/octets.py$

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 $/opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/type/test_named type.pyasn1-0.4.8/tests/type/test_named type.pyasn1-0.4.8/test-pyasn1-0.4.$

- * /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-
- 0.4.8/tests/codec/native/test_encoder.py

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ASN.1 library for Python

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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 {
 INTEGER,
room [0] INTEGER OPTIONAL,
house [1] INTEGER DEFAULT 0
}
Could be expressed in pyasn1 like this:
```python
class Record(Sequence):
 componentType = NamedTypes(\\
    NamedType('id', Integer()),
    OptionalNamedType(
      'room', Integer().subtype(
        implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
      )
    ),
    DefaultedNamedType(
      'house',
Integer(0).subtype(
        implicitTag=Tag(tagClassContext, tagFormatSimple, 1)
      )
    )
 )
It is in the spirit of ASN.1 to take abstract data description
and turn it into a programming language specific form.
Once you have your ASN.1 data structure expressed in Python, you
can use it along the lines of similar Python type (e.g. ASN.1
`SET` is similar to Python `dict`, `SET OF` to `list`):
```python
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
room=321
>>>
```

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

```
```python
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
00000: 30 07 02 01 7B 80 02 01 41
Conversely, you can turn serialised ASN.1 content, as received from
network or read from a file, into a Python object which you can
introspect, modify,
encode and send back.
```python
>>> from pyasn1.codec.der.decoder import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())
>>>
>>> for field in received record:
>>> print('{} is {}'.format(field, received_record[field]))
id is 123
room is 321
house is 0
>>>
>>> record == received record
True
>>> received_record.update(room=123)
>>> substrate = encode(received_record)
>>> hexdump(substrate)
00000: 30 06 02 01 7B 80 01 7B
The pyasn1 classes struggle to emulate their Python prototypes (e.g. int,
list, dict etc.). But ASN.1 types exhibit more complicated behaviour.
To make life easier for a Pythonista, they can turn their pyasn1
classes into Python built-ins:
```python
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
Or vice-versa -- you can initialize an ASN.1 structure from a tree of
Python objects:
```python
>>> from pyasn1.codec.native.decoder import decode
>>> record = decode({'id':
```

```
123, 'room': 321, 'house': 0}, asn1Spec=Record())
>>> str(record)
Record:
id=123
room=321
>>>
With ASN.1 design, serialisation codecs are decoupled from data objects,
so you could turn every single ASN.1 object into many different
serialised forms. As of this moment, pyasn1 supports BER, DER, CER and
Python built-ins codecs. The extremely compact PER encoding is expected
to be introduced in the upcoming pyasn1 release.
More information on pyasn1 APIs can be found in the
[documentation](http://snmplabs.com/pyasn1/),
compiled ASN.1 modules for different protocols and file formats
could be found in the pyasn1-modules
[repo](https://github.com/etingof/pyasn1-modules).
How to get pyasn1

The pyasn1 package is distributed under terms and conditions of 2-clause
BSD [license](http://snmplabs.com/pyasn1/license.html). Source code is freely
available as a GitHub [repo](https://github.com/etingof/pyasn1).
You could 'pip install pyasn1' or download it from [PyPI](https://pypi.org/project/pyasn1).
If
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#### ASN.1 library for Python

\_\_\_\_\_

.. toctree::

:maxdepth: 1

Abstract Syntax Notation One (`ASN.1 <a href="http://en.wikipedia.org/wiki/Abstract\_Syntax\_Notation\_1x>`\_)">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 <a href="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 <a href="https://developers.google.com/protocol-buffers/">https://developers.google.com/protocol-buffers/</a>`\_

or `FlatBuffers <a href="https://google.github.io/flatbuffers/">https://google.github.io/flatbuffers/</a>, 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

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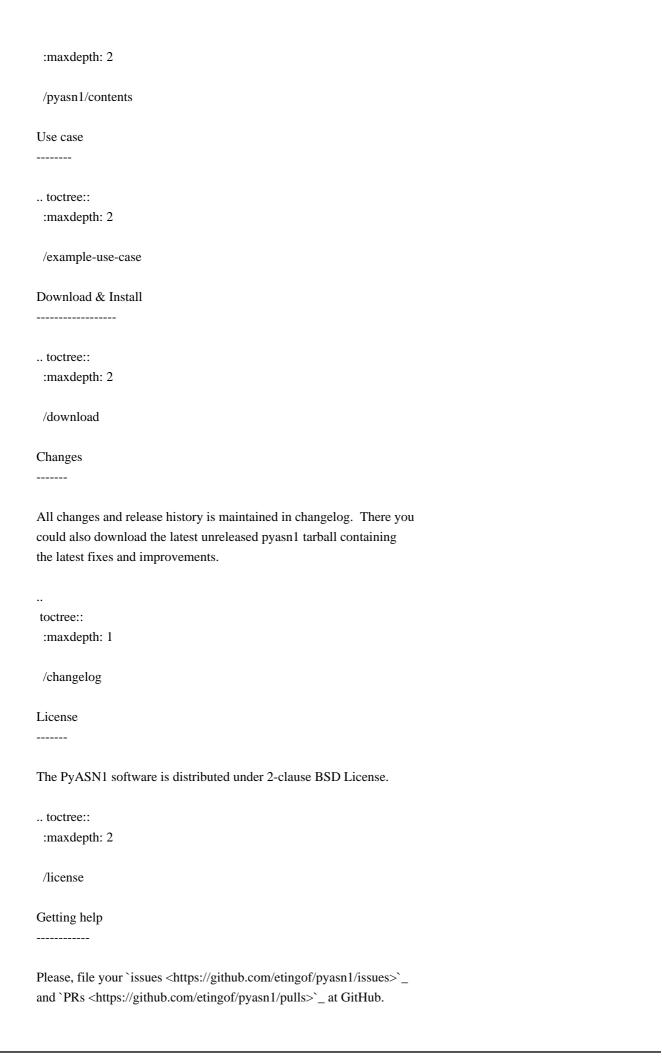
Apparently, ASN.1 is hard to implement properly. Quality open-source ASN.1 tools are rare, but ad-hoc implementations are numerous. Judging from the `statistics <a href="http://cve.mitre.org/cgi-bin/cvekey.cgi?keyword=ASN.1">http://cve.mitre.org/cgi-bin/cvekey.cgi?keyword=ASN.1</a> on discovered security 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::



Alternatively, you could ask for help at

`Stack Overflow <a href="http://stackoverflow.com/questions/tagged/pyasn1">>`\_"
or search

`pyasn1-users <a href="https://lists.sourceforge.net/lists/listinfo/pyasn1-users">https://lists.sourceforge.net/lists/listinfo/pyasn1-users</a>\_ mailing list archive.

Books on ASN.1

\_\_\_\_\_

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

- \* `ASN.1 Communication between heterogeneous systems <a href="http://www.oss.com/asn1/dubuisson.html">http://www.oss.com/asn1/dubuisson.html</a> \_ by Olivier Dubuisson
- \* `ASN.1 Complete <a href="http://www.oss.com/asn1/resources/books-whitepapers-pubs/larmouth-asn1-book.pdf">http://www.oss.com/asn1/resources/books-whitepapers-pubs/larmouth-asn1-book.pdf</a> \_ by Prof John Larmouth

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

\* 'ITU standards

<a href="http://www.itu.int/ITU-T/studygroups/com17/languages/X.680-X.693-0207w.zip">> \_ <a href="http://www.itu.int/ITU-T/studygroups/com17/languages/X.680-X.693-0207w.zip">- <a href="http://www.itu.int/ITU-T/studygroups/com17/languages/X.680-X.693-0207w.zip">- <a href="http://www.itu.int/ITU-T/studygroups/com17/languages/X.680-X.693-0207w.zip">- <a href="http://www.itu.int/ITU-T/studygroups/com17/languages/X.680-X.693-0207w.zip">- <a href

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

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

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

Found in path(s):

\*/opt/cola/permits/1110812511\_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/docs/source/contents.rst

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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



=========

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

======

```
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' \rangle'
 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' \backslash 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

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# 1.23 luajit 2.1.0.beta3

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## 1.32 libxml2 2.9.14

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## 1.34 libmnl 1.0.5

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# 1.37 typing-extensions 4.3.0

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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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Release	Deriv	ed	Year		Owner	r	GPL
from					compatible? (1)		
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1.3 thru 1.	5.2 1.2		1995-	1999	CNR	RI	yes
1.6	1.5.2	200	00	CNI	RI	no	
2.0	1.6	200	0	BeO	pen.co	om n	10
1.6.1	1.6	200	)1	CNI	RI	yes	(2)
2.1	2.0+1.6	.1 2	001	PS	SF	no	
2.0.1	2.0+1.6	5.1 2	2001	P	SF	ye	S

2.1.1	2.1+2.0.	1 2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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2.2 and	above			
2.1.1	2001-now	PSF	yes	

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Julian Seward, jseward@bzip.org bzip2/libbzip2 version 1.0.6 of 6 September 2010

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Version 3.1, 31 March 2009

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DRuntime: Runtime Library for the D Programming Language

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## 1.42 urllib3 1.26.12

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## 1.48 hd-parm 9.64

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Mark Lord (mlord@pobox.com)

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# 1.50 elfutils 0.187

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## 1.52 idna 15.0.0

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# 1.53 libusb-compat 0.1.7

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## 1.54 hyperscan 5.4.0-r1

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## 1.55 safestring 4.1.3

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SafeSting length(), trim()

```
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*/
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 Example of using SafeString for Class char[]s
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Examples of SafeString remove
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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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- $4.1.24/examples/SafeString\_Tests/SafeStringFromCharArray/SafeStringFromCharArray. in our analysis of the property of the pro$

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

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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

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Comparing SafeStrings

Examples of how to compare SafeStrings using the comparison operators

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- 4.1.24/examples/SafeString\_Tests/SafeStringComparisonOperators/SafeStringComparisonOperators.ino No license file was found, but licenses were detected in source scan.
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- 4.1.24 / examples/SafeStringAssignmentAndConcatOperator/SafeStringAssignmentAndConcatOperator. In our analysis of the properties of the

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sfStream.ino

SafeStringStream Unit test

Example of using SafeStringStream

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- 4.1.24/examples/SafeStringStream\_Tests/sfStream/sfStream.ino

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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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- 4.1.24/examples/SafeString\_Tests/SafeString\_readUntil/SafeString\_readUntil.ino

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- 4.1.24/examples/SafeString\_Tests/SafeStringIndexOf/SafeStringIndexOf.ino

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SafeString charAt() and setCharAt()

Examples of how to get and set characters of a SafeString

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- 4.1.24/examples/SafeString\_Tests/SafeStringCharacters/SafeStringCharacters.ino

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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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- $4.1.24/examples/SafeStringReader\_flushInput/SafeStringReader\_flushInput.ino$

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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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- $4.1.24 / examples/SafeString\_ConstructorAndDebugging/SafeString\_ConstructorAndDebugging. in our analysis of the construction of the construction$

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SafeString from char\* with specified size constructor

Examples of how to create SafeStrings from an existing pointer to a char[]

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

by Matthew Ford

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- 4.1.24/examples/SafeString\_Tests/SafeString\_stoken/SafeString\_stoken.ino

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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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 Prefixing to SafeStrings using the -= operator and prefix()
 Examples of how to prefix different data types to SafeStrings
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4.1.24/examples/SafeStringPrefixOperator/SafeStringPrefixOperator. in our answer of the property of the prop
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 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:
 https://www.arduino.cc/en/Main/Products
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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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- $*/opt/cola/permits/1439711747\_1665547780.0078397/0/safestring-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-1-24-zip/SafeString-4-$
- $4.1.24/examples/loopTimer\_BlinkDelay/LoopTimer\_BlinkDelay.ino$

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

by Matthew Ford

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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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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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SafeStringReader_Assign.ino
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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
Found in path(s):
*/opt/cola/permits/1439711747_1665547780.0078397/0/safestring-4-1-24-zip/SafeString-
4.1.24/examples/SafeStringReader_Assign/SafeStringReader_Assign.ino
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SafeString Case changes
Examples of how to change the case of a SafeString
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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/SafeString\_Tests/SafeStringCaseChanges/SafeStringCaseChanges.ino

## 1.56 sqlite 3.39.3

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NR START END SECTORS SIZE NAME UUID

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2 7680 16383 8704 4.3M 8f8378c0-02

5 7936 12799 4864 2.4M

6 12544 16127 3584 1.8M

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The

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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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### 1.67 libtool 0.1

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Send patches to sysvinit-devel@nongnu.org

### 1.69 gnutls 3.7.8

### 1.69.1 Available under license:

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#### @item

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@end enumerate

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#### @item

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# @enumerate a

@item

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# @item

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#### @item

executable.

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# @enumerate a

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#!/usr/bin/env bash
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This script will read the license file into memory, strip out the copyright, and then
generate an MD5 that is not unique and can be matched against a known MIT MD5 sum.
set -e
calculate_md5_sum() {
local FILE="$1"
Read the contents of the file into a variable
local raw license text=$(<"$FILE")
Convert to lowercase
local lowercase_license_text="${raw_license_text,,}"
Remove anything before the beginning of the license
local stripped_license_text=$(awk '/permission is hereby granted,/{p=1} p' <<< "$lowercase_license_text")
Replace line breaks (Windows or Linux) with a single space
local replaced_linebreaks=$(tr \r\n''' <<< "$stripped_license_text")</pre>
Replace multiple spaces with a single space
local normalized_license_text=$(tr -s ' ' <<< "$replaced_linebreaks")
Strip away any non-printable, non-whitespace characters
local clean_unprintable_license_text=$(tr
-cd '[:print:][:space:]' <<< "$normalized_license_text")</pre>
Remove punctuation and special characters
local clean_license_text=$(echo "$clean_unprintable_license_text" | sed 's/[^a-zA-Z]//g')
Calculate the MD5 sum of the cleaned license text
local MD5SUM=$(echo -n "$clean_license_text" | md5sum | awk '{print $1}')
Output the MD5 sum
echo "$MD5SUM"
}
Check if the FILE argument is provided
if [-z "$1"]; then
```

echo "Please provide a FILE as an argument."

```
fi
Invoke the function with the provided FILE argument
calculate md5 sum "$1"
WEV @@ WEV[B "1
x ?"U@,5 @mISmIN<GimCN7g1u|E
43mI,5WEV @@ WEV @mImImIAmImImI0mImImI*mImI
A0mImImI...
lost+found...
;9GimCN7g
!"#$%&'()*+,-
./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~
!"#$%&'()*+,-
./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~
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!"#$%&'()*+,-
./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{\]~WEV @@
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## 1.87 python 3.10.6

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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

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Release	Deriv	ed Yea	r Own	er GPL
	from		com	patible? (1)
0.9.0 thr	u 1.2	1991-	1995 CW	I yes
1.3 thru	1.5.2 1.2	1995	-1999 CN	RI yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.o	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
2.1.2	2.1.1	2002	PSF	yes
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2.2 and a	above 2.1	.1 200	1-now	
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Index: tdbsa/tdb.c

```

```

```
--- 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

-

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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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```
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) $(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)

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before you ship. The release schedules for this package are flexible, if you give me enough lead time.

Theod	ore	Ts'c
23-Jui	ne-2	007

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Version 2, June 1991

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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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

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## 1.92 log-rotate 3.20.1

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## 1.93 libcap 2.66

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{
 config_unset => 'HAVE_NET_IF_PFLOG_H',
 name => 'heap-overflow-1',
 input => 'heap-overflow-1.pcap',
 output => 'heap-overflow-1.out',
 args => '-v'
 },
];
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```

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We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

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Finally,

software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many

libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes

a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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

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

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

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under

copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and

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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.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

# 3. You may opt to apply the terms of the ordinary GNU General Public

License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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Once this change is made in a given copy, it is irreversible for

that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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

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

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a

"work that uses the

library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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

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

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.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- 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.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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- 7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:
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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>

Copyright (C) < year > < name of author >

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

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

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

school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

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

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

That's all there is to it!

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

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=2Dmike

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

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...

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= =20change until it was mentioned in the latest notes. unlike the old license, GPL-2 prevents people from using cracklib unless th= applications are also GPL-2 which imo is just wrong. it isnt the place of = a = 20library to dictact to application writes what license they should be using.= =20thus LGPL-2.1 enters to fill this void. =2Dmike Re: [Cracklib-devel] cracklib license From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46

University of Missouri - Rolla Phone: (573) 341-6679

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
 >> and see if he wants to relicense his code as LGPL... but at this
 >> 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
 > the original license (before moving to sourceforge -- aka, 2.7) was
 > GPL-2 ... it was a modified artistic license ... i didnt notice the
 > change until it was mentioned in the latest notes.
 > unlike the old license, GPL-2 prevents people from using cracklib
 > unless their
 > applications are also GPL-2 which imo is just wrong. it isnt the
 > 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 > 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

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

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

>> additional

>> by me.

>

> 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?

>>

- >> 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.
 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
```

# 1.98 yara 0.100.3

### 1.98.1 Available under license:

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Version 2.1, February 1999

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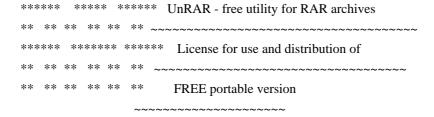
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# 1.100 makedumpfile 0.187

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

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# 1.103 libtasn 4.17.0

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## a) Accompany

the work with the complete corresponding

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The precise terms and conditions for copying, distribution and modification follow.

#### TERMS AND CONDITIONS

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The

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long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

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http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#

It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php\_curl, or with
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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.

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Release	Deriv	ed `	Year	Owi	ner GPL-
	from			con	npatible? (1)
0.9.0 thr	u 1.2	199	91-1995	5 CW	T yes
1.3 thru	1.5.2 1.2	19	995-199	99 CI	NRI yes
1.6	1.5.2	2000	) C	NRI	no
2.0	1.6	2000	Ве	Open.	com no
1.6.1	1.6	2001	C	NRI	yes (2)
2.1	2.0+1.6	5.1 20	01	PSF	no
2.0.1	2.0+1.	6.1 20	001	PSF	yes
2.1.1	2.1+2.	0.1 20	001	PSF	yes
2.2	2.1.1	2001	P	SF	yes
2.1.2	2.1.1	200	2 F	PSF	yes
2.1.3					
2.1.2	2002	PSF	ye	S	
2.2.1	2.2	2002	2 P	SF	yes
2.2.2	2.2.1	200	2 F	PSF	yes
2.2.3	2.2.2	200	3 F	PSF	yes
2.3	2.2.2	2002	2-2003	PSF	yes
2.3.1	2.3	2002	2-2003	PSF	yes
2.3.2	2.3.1	200	2-2003	PSF	yes
2.3.3	2.3.2	200	2-2003	PSF	yes
2.3.4	2.3.3	200	4 F	PSF	yes
2.3.5	2.3.4	200	5 F	PSF	yes
2.4	2.3	2004	PS	SF	yes
2.4.1	2.4	2005	5 P	SF	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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from			compatible? (1)	
0.9.0 thr	ru 1.2	1991-1	.995 CWI	yes
1.3 thru	1.5.2 1.2	1995-	-1999 CN	RI yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.o	com no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	1 2001	PSF	no
2.0.1	2.0+1.6.	1 2001	PSF	yes
2.1.1	2.1+2.0.	1 2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and	above			
2.1.1	2001-now	PSF	yes	

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# 1.106 python-certifi 2022.09.14

## 1.106.1 Available under license:

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

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

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php\_curl, or with
an Apache+mod\_ssl webserver for SSL client authentication.

Just configure this file as the SSLCACertificateFile.#

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

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

## 1.107 libunwind 1.5

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## 1.108 cjson 1.5.4

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## 1.109 kmod 30-r0

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Version 2.1, February 1999

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# 1.110 gawk 5.1.1

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## 1.115 pycparser 2.21

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pycparser -- A C parser in Python

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