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IdentityPython/pyjwkest License

Version: 1.4.0

Python implementation of JWT, JWE, JWS and JWK

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Martiusweb/asynctest License

Version: 0.13.0

asynctest is built on top of the standard unittest module and used for unit testing of async modules. **Copyright 2015 Martin Richard**

* * *

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OpenIDC/pyoidc License

Version: 1.0.1

Python implementation of OAuth2 and OpenID Connect. This is a complete implementation of OpenID Connect as specified in the OpenID Connect Core specification. And as a side effect, a complete implementation of OAuth2.0 too.



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VinceG/twitter-bootstrap-wizard License

Version: 1.0.0

This twitter bootstrap plugin builds a wizard out of a formatter tabbable structure. It allows to build a wizard functionality using buttons to go through the different wizard steps and using events allows to hook into each step individually.

aliyun/alibaba-cloud-sdk-go License

Version: 2.0.2

This provides APIs and utilities that can be use to build Go applications that use Alibaba Cloud services, such as Alibaba OSS.

Yubin Bai, Guozhong Han

apache/guacamole-client License

Version: 0.9.9

Guacamole is HTML5 based clientless RDP, SSH, Telnet and VNC access solution.



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apache/guacamole-server License

Version: 0.9.9

Guacamole is HTML5 based clientless RDP, SSH, Telnet and VNC access solution.

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Apache/HttpComponents_Client License



Version: 4.5.1

HttpClient provides reusable components for client-side authentication, HTTP state management, and HTTP connection management.

archive/zip License

Version: 1.09.0

The module allows a Perl program to create, manipulate, read, and write Zip archive files

Copyright (c) 2000-2003 Ned Konz. All rights reserved. This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself. Changes Made:

Change to Zip.pm file to calculate uncompressedSize dynamically by reading number of bytes read

to prevent uncompressedSize being tampered.

This uncompressedSize had been used to calculate compressionRatio to avoid very big zip files been unzipped on top destination.

Change to Zip.pm file to exclude the files which are of Symbolic linked type

to prevent arbitrary files download by using Time of Check and Time of use attack.

aws/aws-sdk-go License

Version: 1.19.27

This provides APIs and utilities that can be use to build Go applications that use AWS services, such as Amazon EC2 and Amazon S3.

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azure/azure-storage-blob-go License

Version: 0.6.0

The Microsoft Azure Storage SDK for Go allows you to build applications that takes advantage of Azure scalable cloud storage.

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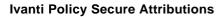
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azure/azure-pipeline-go License

Version: 0.1.9

This package implements an HTTP request/response middleware pipeline whose policy objects mutate an HTTP request URL, query parameters, and/or headers before the request is sent over the wire.





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waLinuxAgent License

Version: 2.2.48.1

The Microsoft Azure Linux Agent (waagent) manages Linux & FreeBSD provisioning, and VM interaction with the Azure Fabric Controller. It provides functionality like image provisioning, managing routes, console redirection to serial port for Linux and FreeBSD IaaS deployments.

bbangert/beaker License

Version: 1.11.0

A Session and Caching library with WSGI Middleware. Beaker is a web session and general caching library

that includes WSGI middleware for use in web applications. As a general caching library, Beaker can handle storing for various times any Python object that can be pickled with optional back-ends on a fine-grained basis.

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bitkkeks/python-netflow-v9-softflow3 License

Version: 0.6.1

NetFlow v9 parser and collector implemented in Python 3. Developed to be used with softflowd v0.9.9

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brandonaaron/bgiframe License

Version: 2.1.1

A jQuery plugin that helps ease the issues with IE z-index.

cannatag/Idap3 License

Version: 2.5.1

Idap3 is a strictly RFC 4510 conforming LDAP V3 pure Python client library. GNU GENERAL PUBLIC LICENSE Version 3, 29 June 2007

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Ivanti Policy Secure Attributions

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Foreign Function Interface for Python calling C code

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The threshold for this to be true

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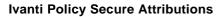
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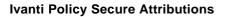
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cppzmq License

Version: 1.0

This is C++ binding for ZeroMQ.

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dabeaz/ply License

Version: 3.11

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[![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. instructional purposes. 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).

e 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

ivanti

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

The original implementation was developed for As a result, the system tries to identify the most

Th



individually and use them as modules. For example:

i m р 0 r t Т е х i. m р 0 r t y а С

С

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

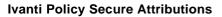
PLY requires the use of Python 2.6 or greater.However, youshould use the latest Python release if possible.It should workon just about any platform. PLY has been tested with both CPython andJython. It also seems to work with IronPython.

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/pl

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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 loup 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

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.

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```

```
.
   р
  y
   #
   # A simple calculator with
----variables. #
   tokens = (
       'NAME', 'NUMBER',
       'PLUS', 'MINUS', 'TIMES', 'DIVIDE', 'EQUALS',
       'LPAREN', 'RPAREN',
       )
   # Tokens
  t_PL
   US
             =r'+'t_MINUS=r'-'
  t_TI
   MES
             =r''* t_DIVIDE = r'/' t_EQUALS = r'=' t_LPAREN = r'\(' t_RPAREN = r'\)'
             = r'[a-zA-Z_][a-zA-Z0-9_]*'
  t_NAME
   def
       t
       Ν
       U
       Μ
       В
       Е
       R
       (
       t
       )
       r
       '\
       d
       +
       t.value =
       int(t.value)
       return t
   # Ignored
   characters
   t_ignore = "
  \t"
```

```
def
     t_new
     line(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

```
def p_error(p):
print("Syntax error at '%s'" % p.value)
```

```
import ply.yacc as
yacc yacc.yacc()
```

W

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r
```

u e

```
:

t

r

y

:

s = raw_input('calc > ')  # use input()

on Python 3 except EOFError:

break

yacc.parse(s)
```

Bug Reports and Patches

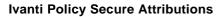
My goal with PLY is to simply have a decent lex/yacc implementation for Python. As a general rule, I don't spend huge amounts of time working on it unless I receive very specific bug reports and/or patches to fix problems. I also try to incorporate submitted feature requests and enhancements into each 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

dashea/requests-file License

Version: 1.4.3

Requests-File is a transport adapter for use with the Requests Python library to allow local filesystem access via file:// URLs.





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dirkjanm/Idapdomaindump License

Version: 0.9.1

A tool which collects and parses information available via LDAP and outputs it in a human readable HTML format, as well as machine readable json and csv/tsv/greppable files

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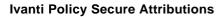
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eliben/pycparser License

Version: 2.17.0

pycparser is a parser for the C language, written in pure Python. It is a module designed to be easily





integrated into applications that need to parse C source code.

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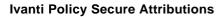
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erikrose/more-itertools License

Version: 7.2.0

More routines for operating on iterables, beyond itertools





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etingof/pyasn1 License

Version: 0.4.5

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

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Python ASN.1 types and codec implementation

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etingof/pysmi License

Version: 0.3.4

PySMI is a pure-Python implementation of SNMP SMI MIB parser. This tool is designed to turn ASN.1 MIBs into various formats.

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This is a pure-Python, open source and free implementation of v1/v2c/v3 SNMP engine

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gnu/bash License

Version: 4.1.2-15

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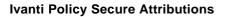
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ipset License

Version: 6.34

ipset utility can be used to administer ip set frame work inside the linux kernel. The frame work is an enhancement or an extension to the iptable by keeping performance and dynamic iptable rule addition as the primary objective.

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Jansson License

Version: 2.4

Jansson is a C library for encoding, decoding and manipulating JSON data.

jbardin/scp License

Version: 0.13.2

This is the protocol as referenced from the openssh scp program

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To do this, you must alter all the

(If a newer version than version 2



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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

Such a work, in isolation, is not a

The threshold for this to be true

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.

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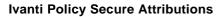
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Version: 1.9.1

fast, simple packet creation / parsing, with definitions for the basic TCP/IP protocols

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Support for the Internationalised Domain Names in Applications (IDNA) protocol as specified in RFC 5891. This is the latest version of the protocol and is sometimes referred to as "IDNA 2008".

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110-1301

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To do this, you must alter all the

(If a newer version than version 2

Such a work, in isolation, is not a

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The threshold for this to be true

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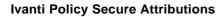
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Version: 3.8.2

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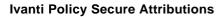
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A command line tool and library for transferring data with URL syntax





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Version: 0.7.0

libnmap is a python library to run nmap scans, parse and diff scan results.

Work Title: python-libnmap Work URL: https://github.com/savon-noir/python-libnmap Original Author: Ronald Bister Contributors: Mike @bmx0r Boutillier

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Version: 1.8.2

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Version: 0.5.1

libwebp library serves as a reference implementation for the WebP specification. WebP is a modern image format that provides superior lossless and lossy compression for images on the web.

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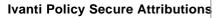
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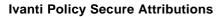
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maxmind/GeoIP2-python License

Version: 2.8.0

This is a Python module for reading MaxMind DB files. MaxMind DB is a binary file format that stores data indexed by IP address subnets (IPv4 or IPv6).

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2.0, January

maxmind/libmaxminddb License

Version: 1.2.0

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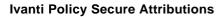
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mysql/mysql-connector-cpp License

Version: 8.0.15

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Manual MySQL

Connector/C++ 8.0

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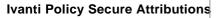
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However, the Lesser license provides advantages in certain special circumstances.

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

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We use this license for certain

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

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

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"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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The former contains code

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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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To do this, you must alter all the

(If a newer version than version 2

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

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Such a work, in isolation, is not a

The threshold for this to be true

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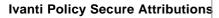
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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and

legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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.

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, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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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

I herefore, 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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Version: 5.7.3

Various tools and libraries relating to the Simple Network Management Protocol





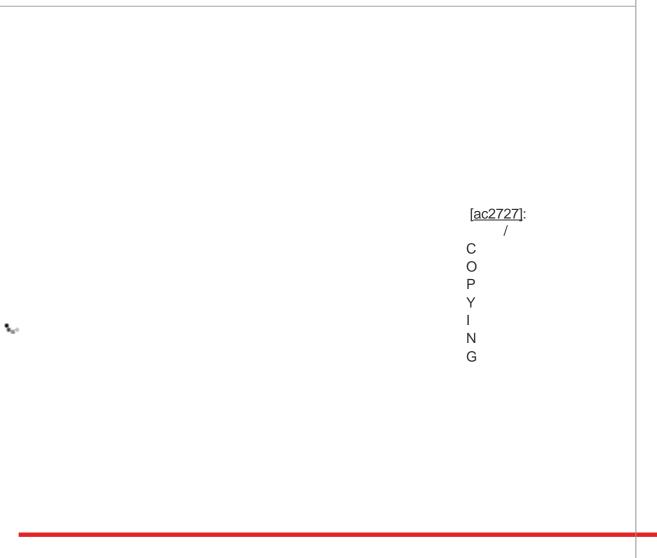


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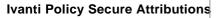
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Version: 0.11.0

Fully featured framework for fast, easy and documented API development with Flask.



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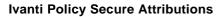
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noppo/gevent-websocket License

Version: 0.10.1

Websocket handler for the gevent networking library, a Python network library





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Version: 4.2.6P5

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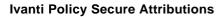
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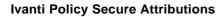
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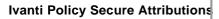




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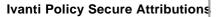
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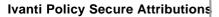
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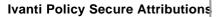
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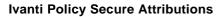
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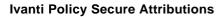
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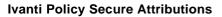
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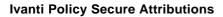
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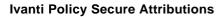
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Version: 7.6

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Written by: Philip Hazel Email local part: Philip.Hazel Email domain: gmail.com

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phihag/ipaddress License

Version: 1.0.22

module to create and operate on IPv4 and IPv6 addresses and networks. This module is a backport from python 3.3

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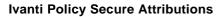
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pyasn1 License

Version: 0.1.9

Python ASN.1 types and codec implementation





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Version: 2.1.4

cryptography is a python package which provides cryptographic recipes and primitives to Python developers. It includes both high level recipes and low level interfaces to common cryptographic algorithms such as symmetric ciphers, message digests, and key derivation functions.

Moved Permanently.

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Version: 19.1.0

pyOpenSSL is a thin wrapper around (a subset of) the OpenSSL library.

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To rectify this situation for PyCrypto 2.1, the following steps have been taken:

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- Replacing some modules with clearly-licensed code from other sources (e.g. the DES and DES3 modules were replaced with new ones based on Tom St. Denis's public-domain LibTomCrypt library.)
- Replacing some modules with code written from scratch (e.g. the RIPEMD and Blowfish modules were re-implemented from their respective algorithm specifications without reference to the old implementations).
- 4. Removing some modules altogether without replacing them.

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Version: 0.6.0

It is the crystallized core of plugin management and hook calling for pytest.



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pytest-dev/py License

Version: 1.5.2

Python development support Library with cross-python path, ini-parsing, io, code, log facilities

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pytest-dev/pytest-cov License

Version: 2.5.1

Pytest plugin for measuring coverage.

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Version: 1.6.3

Thin-wrapper around the mock package for easier use with py.test



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Version: 3.6.0

simple powerful testing with Python



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Version: 0.4.12

Greenlets are lightweight coroutines for in-process concurrent programming.

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Version: 5.1.0

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Version: 3.6.2

Python interpreter for Python based applications

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python/typing License

Version: 3.10.0.2

Typing Extensions - Backported and Experimental Type Hints for Python The typing module was added to the standard library in Python 3.5, but many new features have been added to the module since then. This means users of Python 3.5

- 3.6 who are unable to upgrade will not be able to take advantage of new types added to the typing module, such as typing.Protocol or typing.TypedDict. The typing_extensions module contains backports of these changes. Experimental types that will eventually be added to the typing module are also included in typing_extensions, such as typing.ParamSpec and typing.TypeGuard.

A. HISTORY OF THE SOFTWARE

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a

non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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



summarizes

the various releases.

Release	Derived from	Year	Owner	GPL- compatible? (1)
0.9.0 thru 1.2 1.3 thru 1.5.2 1.6	1.2 1.5.2	1991-1995 1995-1999 2000	CWI CNRI CNRI	yes yes no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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Version: 0.18.2

python-future is the missing compatibility layer between Python 2 and Python 3.

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requests/requests License

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Requests is a HTTP library for Python. It allows you to send HTTP/1.1 requests.

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Version: 3.13.2

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Version: 1.1.5

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ssldump License

Version: 0.9b3

An SSLv3/TLS network protocol analyzer

swig/swig License

Version: 3.0.12

C/C++ parser code generator, which parses the C/C++ interfaces and generates the 'glue code'



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Version: 201710201114

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Version: 4.9.3

A tool for network monitoring and data acquisition

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tiran/defusedxml License



Version: 0.7.1

XML bomb protection for Python stdlib modules. The defusedxml package (defusedxml on PyPI) contains several Python-only workarounds and fixes for denial of service and other vulnerabilities in Python XML libraries.

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untitaker/python-atomicwrites License

Version: 1.3.0

Powerful Python library for atomic file writes

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urllib3/urllib3 License

Version: 1.23

urllib3 is a powerful, sanity-friendly HTTP client for Python.



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user-agents License

Version: 1.0.1

A library to parse user agent strings to identify the Device Type.

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Version: 10.3.10-12406962

This is a suite of utilities that enhances the performance of the virtual machine's guest operating system and improves management of the virtual machine on ESXi server.

wbond/asn1crypto License

Version: 0.24.0

Fast ASN.1 parser and serializer with definitions for private keys, public keys, certificates, CRL, OCSP, CMS, PKCS#3, PKCS#7, PKCS#8, PKCS#12, PKCS#5, X.509 and TSP

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websocket-client/websocket-client License

Version: 0.54.0

websocket-client module is WebSocket client for python. This provides the low level APIs for WebSocket. Copyright 2018 Hiroki Ohtani.

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Version: 4.0.5

Zeromq is a high-performance asynchronous messaging library, aimed at use in scalable distributed or concurrent applications. It provides a message queue, but unlike message-oriented middleware, a ØMQ system can run without a dedicated message broker.

zeromq/pyzmq License

Version: 15.2.0

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