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1.1 mako 1.2.4

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1.2 jedi 0.18.2

1.2.1 Available under license :

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1.3 ptyprocess 0.7.0

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1.4 pysnmp-lextudio 5.0.28

1.4.1 Available under license :

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Metadata-Version: 2.1 Name: pysnmp-lextudio Version: 5.0.28 Summary: Home-page: https://github.com/lextudio/pysnmp License: BSD-2-Clause Author: Ilya Etingof Author-email: etingof@gmail.com Requires-Python: >=3.7,<4.0Classifier: Development Status :: 5 - Production/Stable Classifier: Environment :: Console Classifier: Intended Audience :: Developers 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 :: 3 Classifier: Programming Language :: Python :: 3.7 Classifier: Programming Language :: Python :: 3.8 Classifier: Programming Language :: Python :: 3.9 Classifier: Programming Language :: Python :: 3.10 Classifier: Programming Language :: Python :: 3.11 Classifier: Topic :: Communications Classifier: Topic :: Software Development :: Libraries :: Python Modules Requires-Dist: pyasn1 (>=0.4.8,<0.5.0) Requires-Dist: pysmi-lextudio (>=1.0.4,<2.0.0) Requires-Dist: pysnmpcrypto (>=0.0.4,<0.0.5) Project-URL: Repository, https://github.com/lextudio/pysnmp Description-Content-Type: text/markdown

SNMP Library for Python

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This is a pure-Python, open source and free implementation of v1/v2c/v3 SNMP engine distributed under 2-clause [BSD license](https://www.pysnmp.com/pysnmp/license.html).

The PySNMP project was initially sponsored by a [PSF](http://www.python.org/psf/) grant. Thank you!

This version is a fork of Ilya Etingof's project [etingof/pysnmp](https://github.com/etingof/pysnmp). Ilya sadly passed away on 10-Aug-2022. Announcement [here](https://lists.openstack.org/pipermail/openstack-discuss/2022-August/030062.html). His work is still of great use to the Python community and he will be missed.

Features

- * Complete SNMPv1/v2c and SNMPv3 support
- * SMI framework for resolving MIB information and implementing SMI
- Managed Objects
- * Complete SNMP entity implementation
- * USM Extended Security Options support (3DES, 192/256-bit AES encryption)
- * Extensible network transports framework (UDP/IPv4, UDP/IPv6)
- * Asynchronous socket-based IO API support
- * [Asyncio](https://docs.python.org/3/library/asyncio.html) integration
- * [PySMI](https://www.pysnmp.com/pysmi/) integration for dynamic MIB compilation
- * Built-in instrumentation exposing protocol engine operations
- * Python eggs and py2exe friendly
- * 100% Python, works with Python 3.7+
- * MT-safe (if SnmpEngine is thread-local)

Features, specific to SNMPv3 model include:

- * USM authentication (MD5/SHA-1/SHA-2) and privacy (DES/AES) protocols (RFC3414, RFC7860)
- * View-based access control to use with any SNMP model (RFC3415)
- * Built-in SNMP proxy PDU converter for building multi-lingual
- SNMP entities (RFC2576)
- * Remote SNMP engine configuration
- * Optional SNMP engine discovery

* Shipped with standard SNMP applications (RC3413)

Download & Install

The PySNMP software is freely available for download from [PyPI](https://pypi.python.org/pypi/pysnmp-lextudio) and [GitHub](https://github.com/lextudio/pysnmp.git).

Just run:

```bash
\$ pip install pysnmp-lextudio
```

To download and install PySNMP along with its dependencies:

<!-- Need to find an alternate location for the links to pysnmp.com -->

* [PyASN1](https://pyasn1.readthedocs.io)

* [PySMI](https://www.pysnmp.com/pysmi/) (required for MIB services only)

* Optional [pysnmpcrypto](https://github.com/etingof/pysnmpcrypto) package

whenever strong SNMPv3 encryption is desired

Besides the library, command-line [SNMP utilities](https://github.com/lextudio/snmpclitools) written in pure-Python could be installed via:

```bash
\$ pip install snmpclitools-lextudio
```

and used in the very similar manner as conventional Net-SNMP tools:

```bash

\$ snmpget.py -v3 -l authPriv -u usr-md5-des -A authkey1 -X privkey1 demo.pysnmp.com sysDescr.0 SNMPv2-MIB::sysDescr.0 = STRING: Linux zeus 4.8.6.5-smp #2 SMP Sun Nov 13 14:58:11 CDT 2016 i686

Examples

-----

PySNMP is designed in a layered fashion. Top-level and easiest to use API is known as \*hlapi\*. Here's a quick example on how to SNMP GET:

```python from pysnmp.hlapi import \*

iterator = getCmd(SnmpEngine(), CommunityData('public'),

```
UdpTransportTarget(('demo.pysnmp.com', 161)),
          ContextData(),
          ObjectType(ObjectIdentity('SNMPv2-MIB', 'sysDescr', 0)))
errorIndication, errorStatus, errorIndex, varBinds = next(iterator)
if errorIndication: # SNMP engine errors
 print(errorIndication)
else:
 if errorStatus: # SNMP agent errors
    print('%s at %s' % (errorStatus.prettyPrint(), varBinds[int(errorIndex)-1] if errorIndex else '?'))
 else:
    for varBind in varBinds: # SNMP response contents
      print(' = '.join([x.prettyPrint() for x in varBind]))
This is how to send SNMP TRAP:
```python
from pysnmp.hlapi import *
errorIndication, errorStatus, errorIndex, varBinds = next(
 sendNotification(
 SnmpEngine(OctetString(hexValue='800000001020304')),
 UsmUserData('usr-sha-aes128', 'authkey1', 'privkey1',
 authProtocol=usmHMACSHAAuthProtocol,
 privProtocol=usmAesCfb128Protocol),
 UdpTransportTarget(('demo.pysnmp.com', 162)),
 ContextData(),
 'trap',
 NotificationType(ObjectIdentity('SNMPv2-MIB', 'authenticationFailure'))
)
)
if errorIndication:
 print(errorIndication)
...
> We maintain publicly available SNMP Agent and TRAP sink at
> [demo.pysnmp.com](https://www.pysnmp.com/snmpsim/public-snmp-agent-simulator.html). You are
> welcome to use it while experimenting with whatever SNMP software you deal with.
```bash
$ python3 examples/hlapi/asyncore/sync/manager/cmdgen/usm-sha-aes128.py
SNMPv2-MIB::sysDescr.0 = SunOS zeus.pysnmp.com 4.1.3_U1 1 sun4m
$
$ python3 examples//hlapi/asyncore/sync/agent/ntforg/v3-inform.py
SNMPv2-MIB::sysUpTime.0 = 0
```

SNMPv2-MIB::snmpTrapOID.0 = SNMPv2-MIB::warmStart SNMPv2-MIB::sysName.0 = system name

Other than that, PySNMP is capable to automatically fetch and use required MIBs from HTTP, FTP sites or local directories. You could configure any MIB source available to you (including [this one](https://github.com/lextudio/mibs.snmplabs.com/tree/master/asn1)) for that purpose.

For more example scripts please refer to [examples section](https://www.pysnmp.com/pysnmp/examples/index.html#high-level-snmp) at pysnmp web site.

Documentation

Library documentation and examples can be found at the [pysnmp project site](https://www.pysnmp.com/pysnmp/).

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

Bug reports and PRs are appreciated! ;-)

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Found in path(s):

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/PKG-INFO

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Complete SNMP entity implementation/n* USM Extended Security Options support (3DES, 192/256-bit AES encryption)\n* Extensible network transports framework (UDP/IPv4, UDP/IPv6)\n* Asynchronous socket-based IO API support\n* [Asyncio](https://docs.python.org/3/library/asyncio.html) integration\n* [PySMI](https://www.pysnmp.com/pysmi/) integration for dynamic MIB compilation\n* Built-in instrumentation exposing protocol engine operations\n* Python eggs and py2exe friendly\n* 100% Python, works with Python 3.7+\n* MT-safe (if SnmpEngine is thread-local)\n\nFeatures, specific to SNMPv3 model include:\n\n* USM authentication (MD5/SHA-1/SHA-2) and privacy (DES/AES) protocols (RFC3414, RFC7860)\n* View-based access control to use with any SNMP model (RFC3415)\n* Built-in SNMP proxy PDU converter for building multilingual\n SNMP entities (RFC2576)\n* Remote SNMP engine configuration\n* Optional SNMP engine discovery\n* Shipped with standard SNMP applications (RC3413)\n\nDownload & Install\n------\n\nThe PySNMP software is freely available for download from [PyPI](https://pypi.python.org/pypi/pysnmplextudio)\nand [GitHub](https://github.com/lextudio/pysnmp.git).\n\nJust run:\n\n``bash\n\$ pip install pysnmplextudio n^{\\}n/nTo download and install PySNMP along with its dependencies: n/n <!-- Need to find an alternate location for the links to pysnmp.com -->\n* [PyASN1](https://pyasn1.readthedocs.io)\n* [PySMI](https://www.pysnmp.com/pysmi/) (required for MIB services only)\n* Optional [pysnmpcrypto](https://github.com/etingof/pysnmpcrypto) package\n whenever strong SNMPv3 encryption is desired\n\nBesides the library, command-line [SNMP utilities](https://github.com/lextudio/snmpclitools)\nwritten in pure-Python could be installed via:\n\n```bash\n\$ pip install snmpclitools-lextudio\n```\n\nand used in the very similar manner as conventional Net-SNMP tools:\n\n```bash\n\$ snmpget.py -v3 -l authPriv -u usr-md5-des -A authkey1 -X privkey1 demo.pysnmp.com sysDescr.0\nSNMPv2-MIB::sysDescr.0 = STRING: Linux zeus 4.8.6.5smp #2 SMP Sun Nov 13 14:58:11 CDT 2016 i686\n```\n\nExamples\n-----\n\nPySNMP is designed in a layered fashion. Top-level and easiest to use API is known as\n*hlapi*. Here's a quick example on how to SNMP GET:\n\n```python\nfrom pysnmp.hlapi import *\n\niterator = getCmd(SnmpEngine(),\n CommunityData('public'),\n UdpTransportTarget(('demo.pysnmp.com', 161)),\n ContextData(), \n ObjectType(ObjectIdentity('SNMPv2-MIB', 'sysDescr', 0)))\n\nerrorIndication, errorStatus, errorIndex, varBinds = next(iterator)\n\nif errorIndication: # SNMP engine errors\n print(errorIndication)\nelse:\n if errorStatus: # SNMP agent errors\n print('%s at %s' % (errorStatus.prettyPrint(), varBinds[int(errorIndex)-1] if errorIndex else '?'))\n else:\n for varBind in varBinds: # SNMP response contents\n print(' = '.join([x.prettyPrint() for x in varBind]))\n```\n\nThis is how to send SNMP TRAP:\n\n```python\nfrom pysnmp.hlapi import *\n\nerrorIndication, errorStatus, errorIndex, varBinds = next(\n sendNotification(\n SnmpEngine(OctetString(hexValue='800000001020304')),\n UsmUserData('usr-sha-aes128', 'authkey1', 'privkey1',\n authProtocol=usmHMACSHAAuthProtocol,\n

privProtocol=usmAesCfb128Protocol),\n UdpTransportTarget(('demo.pysnmp.com', 162)),\n ContextData(),\n 'trap',\n NotificationType(ObjectIdentity('SNMPv2-MIB', 'authenticationFailure'))\n)\n)\n\nif errorIndication:\n print(errorIndication)\n```\n\n> We maintain publicly available SNMP Agent and TRAP sink at\n> [demo.pysnmp.com](https://www.pysnmp.com/snmpsim/public-snmp-agent-simulator.html). You are\n> welcome to use it while experimenting with whatever SNMP software you deal with.\n\n```bash\n\$ python3 examples/hlapi/asyncore/sync/manager/cmdgen/usm-sha-aes128.py\nSNMPv2-MIB::sysDescr.0 = SunOS zeus.pysnmp.com 4.1.3_U1 1 sun4m\n\$\n\$ python3 examples//hlapi/asyncore/sync/agent/ntforg/v3-inform.py\nSNMPv2-MIB::sysUpTime.0 = 0\nSNMPv2-MIB::snmpTrapOID.0 = SNMPv2-MIB::warmStart\nSNMPv2-MIB::sysName.0 = system name\n```\n\nOther than that, PySNMP is capable to automatically fetch and use required MIBs from HTTP, FTP sites\nor local directories. You could configure any MIB source available to you (including\n[this

one](https://github.com/lextudio/mibs.snmplabs.com/tree/master/asn1)) for that purpose.\n\nFor more example scripts please refer to [examples section](https://www.pysnmp.com/pysnmp/examples/index.html#high-level-snmp)\nat pysnmp web site.\n\nDocumentation\n-----\n\nLibrary documentation and examples can be found at the [pysnmp project site](https://www.pysnmp.com/pysnmp/).\n\nIf something does not work as expected, please\n[open an issue](https://github.com/lextudio/pysnmp/issues) at GitHub or\npost your question [on Stack

Overflow](http://stackoverflow.com/questions/ask) or try browsing pysnmp\n[mailing list archives](https://sourceforge.net/p/pysnmp/mailman/pysnmp-users/).\n\nBug reports and PRs are appreciated! ;-)\n\nCopyright (c) 2005-2019, [Ilya Etingof](https://lists.openstack.org/pipermail/openstack-discuss/2022-August/030062.html).\nCopyright (c) 2022, [LeXtudio Inc](mailto:support@lextudio.com).\nAll rights reserved.\n",

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Further development

Although PySNMP is already a mature software and it is being used at many places, the ultimate goal of the project is to implement most of the useful features that SNMP standards can offer. What follows is a list of most prominent missing features that PySNMP developers are planning to put their hands on in the future.

PySNMP library

#. Built-in MIB parser. PySNMP uses a data model of its own to work with information contained in MIB files. To convert ASN.1-based MIB texts into Python modules, an off-line, third-party tool is employed. As it turns out, this approach has two major drawback: one is that PySNMP users may need to pre-process MIB texts to use them with their PySNMP-based applications. Another is that LibSMI's Python driver seems to miss some information carried by MIBs. Thus the solution would be to write another MIB parser and code generator which would produce PySNMP compliant Python code right from MIB text files all by itself.

Done: see `PySMI project <https://www.pysnmp.com/pysmi/>`_ in conjuction with the latest PySNMP codebase.

#. Reverse MIB index. The variable-bindings received by the system whilst in Manager role could be post-processed using the information kept in MIB files to include human-friendly OIDs names, tables indices and values representation. However, there is currently no provisioning in the PySNMP system for locating and loading up MIB files containing additional information on arbitrary OIDs. So the idea is to maintain an OID-to-MIB index to let PySNMP load relevant MIB automatically on demand.

- #. Stream sockets support. Currently, PySNMP transport subsystem only supports datagram-type network sockets. That covers UDP-over-IPv4 and UDP-over-IPv6. However, SNMP engine can potentially run over stream-oriented protocols what would let it support TCP-over-IPv4, TCP-over-IPv6 and SSL/TSL transports. Neither of these is currently implemented with PySNMP.
- #. AgentX implementation. We anticipate many uses of this. For instance, having AgentX protocol support in pure-Python would let us write AgentX modules in pure-Python and attach them to high-performance Net-SNMP Agent. Or we could build and maintain a fully-featured, stand-alone PySNMP-based Agent so that users would write their own AgentX extensions what would comprise a complete SNMP Agent solution at lesser effort.
- #. A DBMS-based SMI. Currently implemented SMI takes shape of live Python objects that let user hook up his own handler on any existing Managed Object Instance. That's flexible and working approach in many cases, however sometimes, for instance when Management Instrumentation is inherently DBMS-based, it may be more efficient to move the entire SMI/MIB subsystem into a database. PySNMP engine would talk to it through its simple and well defined SMI API.

Stand-alone PySNMP-based tools

#. SNMP Proxy Forwarder. That would be a stand-alone, application-level proxy service supporting all SNMP versions, multiple network transports, Command and Notification SNMP message types. Its anticipated features include extensive configuration facilities, fine-graned access control and logging.

Done: see `SNMP Proxy Forwarder <https://www.pysnmp.com/snmpfwd/>`_.

- #. SNMP Trap Receiver. We see this application as a simple yet flexible SNMP TRAP collector. It would listen on network sockets of different types receiving SNMP TRAP/INFORM notifications over any SNMP version and putting all the details into a database and possibly triggering external events.
- #. Database backend for SNMP Simulator. We have already built a tool for simulating SNMP Agents based on a snapshot of their Management Instrumentation state. Current implementation uses a plain-text file for keeping and possibly managing the snapshot. Many users of the Simulator software requested a value variation feature to be supported

so that simulated Agents would look live, not static. We consider this variation and also dependencies features would be best implemented as a relational database application. So we are planning to put some more efforts into the Simulator project as time permits.

Done: since `snmpsim-0.2.4 <https://www.pysnmp.com/snmpsim/>`_

If you need some particular feature - please,

`open a feature request <https://github.com/lextudio/pysnmp/issues/new>`_ . Once we see a greater demand in particular area, we would re-arrange our development resources to meet it sooner.

You could greater speed up the development of particular feature by sponsoring it. Please get back to us to discuss details.

Contributions to the PySNMP source code is greatly appreciated as well. We require contributed code to run with Python 3.7 through the latest Python version (which is 3.11 at the time of this writing). Contributed code will be redistributed under the terms of the same `license <https://www.pysnmp.com/pysnmp/>`_ as PySNMP is.

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5.0.28/pysnmp/entity/rfc3413/ntfrcv.py

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5.0.28/pysnmp/proto/rfc1157.py

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5.0.28/pysnmp/proto/secmod/rfc3414/service.py

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* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/carrier/error.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/smi/exval.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/smi/mibs/SNMP-MPD-MIB.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/proto/secmod/rfc7860/auth/hmacsha2.py

*/opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/smi/mibs/RFC1158-MIB.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/carrier/asynsock/dgram/udp6.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/hlapi/varbinds.py

 $* / opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lext$

5.0.28/pysnmp/proto/errind.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/proto/secmod/rfc3414/priv/nopriv.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/entity/rfc3413/oneliner/ntforg.py

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5.0.28/pysnmp/smi/mibs/TRANSPORT-ADDRESS-MIB.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/proto/mpmod/rfc2576.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/proto/acmod/rfc3415.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/carrier/base.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/proto/secmod/rfc3414/priv/base.py

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* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/smi/mibs/SNMP-USER-BASED-SM-3DES-MIB.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/hlapi/asyncio/ntforg.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/hlapi/asyncio/slim.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/hlapi/auth.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/smi/mibs/ASN1.py

5.0.28/pysnmp/smi/instrum.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-

5.0.28/pysnmp/carrier/asyncore/dgram/udp6.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/smi/mibs/SNMPv2-TM.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/smi/mibs/RFC1213-MIB.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/hlapi/asyncore/cmdgen.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/proto/rfc3412.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/proto/mpmod/rfc3412.py

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* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/proto/secmod/eso/priv/aesbase.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/entity/rfc3413/ntforg.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/smi/mibs/SNMP-FRAMEWORK-MIB.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/proto/api/verdec.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/hlapi/asyncore/sync/__init__.py

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5.0.28/pysnmp/hlapi/asyncore/sync/cmdgen.py

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* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/smi/mibs/SNMP-USER-BASED-SM-MIB.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/smi/mibs/SNMP-PROXY-MIB.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/entity/rfc3413/oneliner/cmdgen.py

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* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/hlapi/lcd.py

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5.0.28/pysnmp/proto/rfc1902.py

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* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/hlapi/asyncore/sync/compat/ntforg.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/smi/mibs/instances/__SNMP-MPD-MIB.py

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* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/smi/mibs/SNMP-USM-AES-MIB.py

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* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/nextid.py

 $* / opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lext$

5.0.28/pysnmp/entity/engine.py

* /opt/cola/permits/1722522527_1686913239.4219568/0/pysnmp-lextudio-5-0-28-tar-gz/pysnmp_lextudio-5.0.28/pysnmp/proto/cache.py

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5.0.28/pysnmp/entity/observer.py

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5.0.28/pysnmp/carrier/asyncio/dgram/udp.py

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5.0.28/pysnmp/carrier/asyncio/dispatch.py

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1.5 hpack 4.0.0 1.5.1 Available under license :

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1.6 zlib 1.2.11

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1.8 python-requests 2.31.0

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1.9 urllib3 1.26.6-1.ph1

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1.10 openssl 3.1.0

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1.11 libyaml 0.2.5

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1.12 httpx 0.24.1

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1.13 typing-extensions 4.7.1

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

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

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Release	Deriv	ed Yea	r Ov	wner	GPL-
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0.9.0 thru	1.2	1991-1	1995 C	WI	yes
1.3 thru 1.5.2 1.2 1995-1999 CNRI yes					
1.6	1.5.2	2000	CNRI	no	
2.0	1.6	2000	BeOpe	n.com i	10
1.6.1	1.6	2001	CNRI	yes	(2)
2.1	2.0+1.6	.1 2001	PSF	no	
2.0.1	2.0+1.6	5.1 2001	PSF	- ye	es
2.1.1	2.1 + 2.0	0.1 2001	PSF	- ye	es
2.1.2	2.1.1	2002	PSF	yes	
2.1.3	2.1.2	2002	PSF	yes	
2.2 and ab	ove 2.1.	.1 200	1-now	PSF	yes

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1.14 pycparser 2.21

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pycparser -- A C parser in Python

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1.6.1	1.6	2001	CNRI	yes (2)
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2.2	2.1.1	2001	PSF	yes
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2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes

2.2.2	2.2.1	2002	PSF	yes	
2.2.3	2.2.2	2003	PSF	yes	
2.3	2.2.2	2002-20	003 PSF	yes	
2.3.1	2.3	2002-20	2002-2003 PSF		
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2.4	2.3	2004	PSF	yes	
2.4.1	2.4	2005	PSF	yes	
2.4.2	2.4.1	2005	PSF	yes	
2.4.3	2.4.2	2006	PSF	yes	
2.4.4	2.4.3	2006	PSF	yes	
2.5	2.4	2006	PSF	yes	
2.5.1	2.5	2007	PSF	yes	
2.5.2	2.5.1	2008	PSF	yes	
2.5.3	2.5.2	2008	PSF	yes	
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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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- 23. Jxck/assert version 1.0.0 (https://github.com/Jxck/assert)
- 24. language-docker (https://github.com/moby/moby)
- 25. language-go version 0.39.0 (https://github.com/atom/language-go)
- 26. language-less (https://github.com/atom/language-less)
- 27. language-php (https://github.com/atom/language-php)
- 28. language-rust version 0.4.9 (https://github.com/zargony/atom-language-rust)
- 29. MagicStack/MagicPython (https://github.com/MagicStack/MagicPython)
- 30. Microsoft/TypeScript-TmLanguage version 0.0.1 (https://github.com/Microsoft/TypeScript-TmLanguage)
- 31. octicons-code version 3.1.0 (https://octicons.github.com)
- 32. octicons-font version 3.1.0 (https://octicons.github.com)
- 33. seti-ui version 0.1.0 (https://github.com/jesseweed/seti-ui)
- 34. shaders-tmLanguage version 0.1.0 (https://github.com/tgjones/shaders-tmLanguage)
- 35. string_scorer version 0.1.20 (https://github.com/joshaven/string_score)
- 36. sublimehq/Packages (https://github.com/sublimehq/Packages)
- 37. SublimeText/PowerShell (https://github.com/SublimeText/PowerShell)
- 38. textmate/asp.vb.net.tmbundle (https://github.com/textmate/asp.vb.net.tmbundle)
- 39. textmate/c.tmbundle (https://github.com/textmate/c.tmbundle)
- 40. textmate/diff.tmbundle (https://github.com/textmate/diff.tmbundle)
- 41. textmate/git.tmbundle (https://github.com/textmate/git.tmbundle)
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- 43. textmate/html.tmbundle (https://github.com/textmate/html.tmbundle)
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- 53. textmate/sql.tmbundle (https://github.com/textmate/sql.tmbundle)
- 54. textmate/yaml.tmbundle (https://github.com/textmate/yaml.tmbundle)
- 55. TypeScript-TmLanguage version 0.1.8 (https://github.com/Microsoft/TypeScript-TmLanguage)

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- parso/tokenize.py
- parso/token.py
- test/test_pgen2.py

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1.23 tomlkit 0.11.8

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1.24 pysnmpcrypto 0.0.4

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Strong crypto support for PySNMP

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The `pysnmpcrypto` library runs on Python 2.4 through 3.7 and has a dependency on either [PyCryptodomex](https://github.com/Legrandin/pycryptodome) (for Python versions 2.4-2.6 and 3.2-3.3) or [Cryptography](https://github.com/pyca/cryptography) (for Python versions

2.7 and 3.4+).

The `pysnmpcrypto` package is distributed under terms and conditions of the 2-clause [BSD license](http://snmplabs.com/pysnmpcrypto/license.html).

Download & Install

The `pysnmpcrypto` package is freely available for download from [PyPI](https://pypi.org/project/pysnmpcrypto) and [GitHub](https://github.com/etingof/pysnmpcrypto.git).

Just run:

```bash
\$ pip install pysnmp pysnmpcrypto
```

to download and install both `pysnmp` and `pysnmpcrypto`.

Documentation

The `pysnmpcrypto` library does not expose any user-intended API. Documentation and usage examples on the `pysnmp` library use can be found at the [pysnmp project site](http://snmplabs.com/pysnmp/).

If something does not work as expected with `pysnmpcrypto`, please [open an issue](https://github.com/etingof/pysnmpcrypto/issues) at GitHub.

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1.25 pyjwt 2.7.0

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1.26 python 3.9.15

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

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1.6.1	1.6	2001	CNRI	yes	s (2)	
2.1	2.0+1.6	.1 2001	PSF	n n n)	
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1.27 wheel 0.40.0 1.27.1 Available under license :

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1.28 markupsafe 2.1.3

1.28.1 Available under license :

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1.29 python-certifi 2023.05.07

1.29.1 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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***** END LICENSE BLOCK *****
@(#) \$RCSfile: certdata.txt,v \$ \$Revision: 1.80 \$ \$Date: 2011/11/03 15:11:58 \$

1.30 zlib 1.2.3

1.30.1 Available under license :

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

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1.31 async-timeout 4.0.2

1.31.1 Available under license :

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1.32 tabulate 0.9.0

1.32.1 Available under license :

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1.33 xmltodict 0.13.0

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1.34 pyasn1 0.4.8

1.34.1 Available under license :

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Metadata-Version: 1.2 Name: pyasn1 Version: 0.4.8 Summary: ASN.1 types and codecs Home-page: https://github.com/etingof/pyasn1 Author: Ilya Etingof Author-email: etingof@gmail.com Maintainer: Ilya Etingof <etingof@gmail.com> License: BSD Description: Pure-Python implementation of ASN.1 types and DER/BER/CER codecs (X.208) Platform: any Classifier: Development Status :: 5 - Production/Stable Classifier: Environment :: Console Classifier: Intended Audience :: Developers Classifier: Intended Audience :: Education Classifier: Intended Audience :: Information Technology Classifier: Intended Audience :: System Administrators 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 Classifier: Topic :: Communications Classifier: Topic :: Software Development :: Libraries :: Python Modules

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ASN.1 library for Python

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[![Python Versions](https://img.shields.io/pypi/pyversions/pyasn1.svg)](https://pypi.org/project/pyasn1/)
[![Build status](https://travis-ci.org/etingof/pyasn1.svg?branch=master)](https://secure.travis-ci.org/etingof/pyasn1)
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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 {
id INTEGER,
room [0] INTEGER OPTIONAL,
house [1] INTEGER DEFAULT 0
}
```

Could be expressed in pyasn1 like this:

```
```python
class Record(Sequence):
    componentType = NamedTypes(
        NamedType('id', Integer()),
        OptionalNamedType(
            'room', Integer().subtype(
            implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
        )
        ),
        DefaultedNamedType(
            'house', Integer(0).subtype(
```

```
implicitTag=Tag(tagClassContext, tagFormatSimple, 1)
)
)
)
```

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

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

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

```
```python
```

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

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

```
```python
>>> from pyasn1.codec.der.decoder import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())
>>>
>>> for field in received_record:
>>> print('{} is {}'.format(field, received_record[field]))
id is 123
room is 321
house is 0
>>>
>>> record == received_record
```

```
True

>>> received_record.update(room=123)

>>> substrate = encode(received_record)

>>> hexdump(substrate)

00000: 30 06 02 01 7B 80 01 7B
```

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

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

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

```python

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

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

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

How to get pyasn1

The pyasn1 package is distributed under terms and conditions of 2-clause BSD [license](http://snmplabs.com/pyasn1/license.html). Source code is freely

available as a GitHub [repo](https://github.com/etingof/pyasn1).

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

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

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

* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/compat/integer.py

- * /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/codec/ber/encoder.py
- * /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/__main__.py
- */opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/type/namedval.py
- $* / opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/type/constraint.pyasn1-0.4.8/pya$
- */opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/type/tagmap.py

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- * /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/codec/ber/decoder.py
- * /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/type/test_namedval.py
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- * /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/type/error.py
- * /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/codec/cer/__main__.py

- * /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/type/test_char.py
- * /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/setup.py
- $*/opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/codec/der/decoder.pyasn1-0.4.8/pyasn1/codec/der/decoder.pyasn1-0.4.8/pyasn1-0.4.8/pyasn1/codec/der/decoder.pyasn1-0.4.8/pyasn1-0.4.8/pyasn1-0.4.8/pyasn1/codec/der/decoder.pyasn1-0.4.8/pyasn1$
- * /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/type/test_tag.py
- $* / opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/codec/der/__main__.pyasn1-0.4.8/tests/codec/der/__main___.pyasn1-0.4.8/tests/codec/der___main___.pyasn1-0.4.8/tests/codec/der___main___.pyasn1-0.4.8/tests/codec/der___.pyasn1-0.4.8/tests/codec/der___.pyasn1-0.4.8/tests/codec/der___.pyasn1-0.4.8/tests/codec/der___.pyasn1-0.4.8/tests/codec/der___.pyasn1-0.4.8/tests/codec/der___.pyasn1-0.4.8/tests/codec/der___.pyasn1-0.4.8/tests/codec/der___.pyasn1-0.4.8/tests/codec/der___.pyasn1-0.4.8/tests/codec/der___.pyasn1-0.4.8/tests/codec/der___.pyasn1-0.4.8/tests/codec/der___.pyasn1-0.4.8/tests/codec/der___$
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- $* / opt/cola/permits/1110812511_1607462013.57 / 0/py as n1-0-4-8-tar-gz/py as n1-0.4.8 / py as n1/type/named type.py as n1-0-4-8-tar-gz/py as n1-0.4.8 / py as n1/type/named type.py as n1-0-4-8-tar-gz/py as n1-0-4-8-tar$
- $* / opt/cola/permits/1110812511_1607462013.57 / 0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8 / pyasn1 / type/useful.pyasn1 / type/useful.pyasn1$
- * /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/type/test_useful.py
- * /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/compat/__main__.py
- * /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/compat/string.py
- * /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/codec/cer/test_decoder.py
- * /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/type/univ.py
- $*/opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/codec/cer/decoder.pyasn1-0.4.8/pyasn1/codec/cer/decoder.pyasn1-0.4.8/pyasn1-0.4.8/pyasn1/codec/cer/decoder.pyasn1-0.4.8/pyasn1-0.4.8/pyasn1-0.4.8/pyasn1/codec/cer/decoder.pyasn1-0.4.8/pyasn1$
- * /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/compat/test_octets.py
- * /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/codec/ber/eoo.py
- * /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-
- 0.4.8/tests/codec/der/test_encoder.py
- $* / opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/compat/calling.pyasn1-0.4.8/pyasn1/compat/calling.pyasn1-0.4.8/pyasn1/compat/calling.pyasn1-0.4.8/pyasn1-0.4.8/pyasn1/compat/calling.pyasn1-0.4.8/pya$
- * /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-
- 0.4.8/tests/codec/ber/test_decoder.py
- * /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-
- 0.4.8/py asn1/codec/native/decoder.py
- * /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/codec/der/encoder.py
- */opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/codec/cer/encoder.py
- * /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/type/test_univ.py
- * /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/codec/cer/test_encoder.py
- * /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-
- $0.4.8/tests/codec/der/test_decoder.py$
- * /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/type/tag.py
- * /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/error.py
- * /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
- */opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/type/test_namedtype.py
- */opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-
- 0.4.8/tests/codec/native/test_encoder.py
- No license file was found, but licenses were detected in source scan.

ASN.1 library for Python

.. toctree::

:maxdepth: 1

Abstract Syntax Notation One (`ASN.1 <http://en.wikipedia.org/wiki/Abstract_Syntax_Notation_1x>`_) is a technology for exchanging structured data in a universally understood, hardware agnostic way. Many industrial, security and telephony applications heavily rely on ASN.1.

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

What is ASN.1

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

ASN.1 started its life over 30 years ago as a serialisation mechanism for the first electronic mail (known as X.400). Later on 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 https://news.ycombinator.com/item?id=8871453 on that topic.

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

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

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

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

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

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

ASN.1 applications

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

* Signaling standards for the public switched telephone network (SS7 family)

* Network management standards (SNMP, CMIP)

* Directory standards (X.500 family, LDAP)

* Public Key Infrastructure standards (X.509, etc.)

* PBX control (CSTA)

* IP-based Videoconferencing (H.323 family)

* Biometrics (BIP, CBEFF, ACBio)

* Intelligent transportation (SAE J2735)

* Cellular telephony (GSM, GPRS/EDGE, UMTS, LTE)

ASN.1 gotchas

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

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

Documentation

.. toctree::

:maxdepth: 2

/pyasn1/contents

Use case

.. toctree:: :maxdepth: 2

/example-use-case

Download & Install

Open Source Used In RADKit 1.5.1 146

```
.. toctree::
```

:maxdepth: 2

/download

Changes

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

.. toctree::

:maxdepth: 1

/changelog

License

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

.. toctree::

:maxdepth: 2

/license

Getting help

Please, file your `issues <https://github.com/etingof/pyasn1/issues>`_ and `PRs <https://github.com/etingof/pyasn1/pulls>`_ at GitHub. Alternatively, you could ask for help at `Stack Overflow <http://stackoverflow.com/questions/tagged/pyasn1>`_ or search

`pyasn1-users <https://lists.sourceforge.net/lists/listinfo/pyasn1-users>`_
mailing list archive.

Books on ASN.1

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

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

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

Prof John Larmouth

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

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

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

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

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

Found in path(s):

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

1.35 webencodings 0.5.1

1.35.1 Available under license :

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

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Found in path(s):

*/opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-

0.5.1/webencodings/labels.py

* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-

0.5.1/webencodings/__init__.py

* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-

0.5.1/webencodings/tests.py

* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-

 $0.5.1/we bencodings/x_user_defined.py$

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

from setuptools import setup, find_packages import io from os import path import re

```
VERSION = re.search("VERSION = '([^']+)'", io.open(
    path.join(path.dirname(__file__), 'webencodings', '__init__.py'),
    encoding='utf-8'
).read().strip()).group(1)
```

LONG_DESCRIPTION = io.open(

```
path.join(path.dirname(__file__), 'README.rst'),
 encoding='utf-8'
).read()
```

setup(

name='webencodings', version=VERSION, url='https://github.com/SimonSapin/python-webencodings', license='BSD'. author='Simon Sapin', author_email='simon.sapin@exyr.org', maintainer='Geoffrey Sneddon', maintainer_email='me@gsnedders.com', description='Character encoding aliases for legacy web content', long_description=LONG_DESCRIPTION, classifiers=['Development Status :: 4 - Beta', 'Intended Audience :: Developers', 'License :: OSI Approved :: BSD License', 'Programming Language :: Python', 'Programming Language :: Python :: 2', 'Programming Language :: Python :: 2.6', 'Programming Language :: Python :: 2.7', 'Programming Language :: Python :: 3', 'Programming Language :: Python :: 3.3', 'Programming Language :: Python :: 3.4', 'Programming Language :: Python :: 3.5', 'Programming Language :: Python :: 3.6', 'Programming Language :: Python :: Implementation :: CPython', 'Programming Language :: Python :: Implementation :: PyPy', 'Topic :: Internet :: WWW/HTTP',], packages=find_packages(), Found in path(s): */opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/setup.py

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

Metadata-Version: 1.1 Name: webencodings Version: 0.5.1 Summary: Character encoding aliases for legacy web content Home-page: https://github.com/SimonSapin/python-webencodings Author: Geoffrey Sneddon Author-email: me@gsnedders.com

)

This is a Python implementation of the `WHATWG Encoding standard <http://encoding.spec.whatwg.org/>`_.

- * Latest documentation: http://packages.python.org/webencodings/
- * Source code and issue tracker:
- https://github.com/gsnedders/python-webencodings
- * PyPI releases: http://pypi.python.org/pypi/webencodings
- * License: BSD
- * Python 2.6+ and 3.3+

In order to be compatible with legacy web content when interpreting something like ``Content-Type: text/html; charset=latin1``, tools need to use a particular set of aliases for encoding labels as well as some overriding rules. For example, ``US-ASCII`` and ``iso-8859-1`` on the web are actually aliases for ``windows-1252``, and an UTF-8 or UTF-16 BOM takes precedence over any other encoding declaration. The Encoding standard defines all such details so that implementations do not have to reverse-engineer each other.

This module has encoding labels and BOM detection, but the actual implementation for encoders and decoders is Python's.

Platform: UNKNOWN

Classifier: Development Status :: 4 - Beta	
Classifier: Intended Audience :: Developers	
Classifier: License :: OSI Approved :: BSD License	
Classifier: Programming Language :: Python	
Classifier: Programming Language :: Python :: 2	
Classifier: Programming Language :: Python :: 2.6	
Classifier: Programming Language :: Python :: 2.7	
Classifier: Programming Language :: Python :: 3	
Classifier: Programming Language :: Python :: 3.3	
Classifier: Programming Language :: Python :: 3.4	
Classifier: Programming Language :: Python :: 3.5	
Classifier: Programming Language :: Python :: 3.6	
Classifier: Programming Language :: Python :: Implementation :: CPython	
Classifier: Programming Language :: Python :: Implementation :: PyPy	
Classifier: Topic :: Internet :: WWW/HTTP	

Found in path(s):

* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-

0.5.1/webencodings.egg-info/PKG-INFO

* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/PKG-

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.....

webencodings.mklabels

~~~~~~~

Regenarate the webencodings.labels module.

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.....

import json
try:
 from urllib import urlopen
except ImportError:
 from urllib.request import urlopen

```
def assert_lower(string):
    assert string == string.lower()
    return string
```

```
def generate(url):
    parts = [""\
""""
```

webencodings.labels

~~~~~~~~~~~~~~~~~~

Map encoding labels to their name.

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.....

XXX Do not edit!# This file is automatically generated by mklabels.py

```
LABELS = {
""]
labels = [
(repr(assert_lower(label)).lstrip('u'),
```

if _____name___ == '____main___':

print(generate('http://encoding.spec.whatwg.org/encodings.json'))

Found in path(s):

* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-

0.5.1 / we be needing s / mklabels.py

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python-webencodings

This is a Python implementation of the `WHATWG Encoding standard `_.">http://encoding.spec.whatwg.org/>`_.

* Latest documentation: http://packages.python.org/webencodings/

* Source code and issue tracker:

https://github.com/gsnedders/python-webencodings

* PyPI releases: http://pypi.python.org/pypi/webencodings

- * License: BSD
- * Python 2.6+ and 3.3+

In order to be compatible with legacy web content

when interpreting something like ``Content-Type: text/html; charset=latin1``,

tools need to use a particular set of aliases for encoding labels

as well as some overriding rules.

For example, ``US-ASCII`` and ``iso-8859-1`` on the web are actually

aliases for ``windows-1252``, and an UTF-8 or UTF-16 BOM takes precedence

over any other encoding declaration.

The Encoding standard defines all such details so that implementations do not have to reverse-engineer each other.

This module has encoding labels and BOM detection, but the actual implementation for encoders and decoders is Python's.

Found in path(s):

* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-

1.36 attrs 23.1.0

1.36.1 Available under license :

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attrs is written and maintained by [Hynek Schlawack](https://hynek.me/).

The development is kindly supported by my employer [Variomedia AG](https://www.variomedia.de/), *attrs* [Tidelift subscribers](https://tidelift.com/subscription/pkg/pypi-attrs?utm_source=pypiattrs&utm_medium=referral&utm_campaign=enterprise&utm_term=repo), and all my amazing [GitHub Sponsors](https://github.com/sponsors/hynek).

A full list of contributors can be found in [GitHub's overview](https://github.com/pythonattrs/attrs/graphs/contributors).

Its the spiritual successor of [characteristic](https://characteristic.readthedocs.io/) and aspires to fix some of it clunkiness and unfortunate decisions. Both were inspired by Twisteds [FancyEqMixin](https://docs.twisted.org/en/stable/api/twisted.python.util.FancyEqMixin.html) but both are implemented using class decorators because [subclassing is bad for you](https://www.youtube.com/watch?v=3MNVP9-hglc), mkay? The MIT License (MIT)

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1.37 prompt-toolkit 3.0.39

1.37.1 Available under license :

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1.40 wcwidth 0.2.6

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1.41 zlib 1.2.12

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* zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.12, March 11th, 2022

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files http://tools.ietf.org/html/rfc1950 (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

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1.42 html5lib 1.1

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1.43 openssl 1.1.1s

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1.45 ncclient 0.6.13

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1.46 click 8.1.3

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.. _contrib:

click-contrib

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 $\$ click $_$

Click is a Python package for creating beautiful command line interfaces in a composable way with as little code as necessary. It's the "Command Line Interface Creation Kit". It's highly configurable but comes with sensible defaults out of the box.

It aims to make the process of writing command line tools quick and fun while also preventing any frustration caused by the inability to implement an intended CLI API.

Click in three points:

- Arbitrary nesting of commands
- Automatic help page generation
- Supports lazy loading of subcommands at runtime

Installing

Install and update using `pip`_:

.. code-block :: text

\$ pip install -U click

.. _pip: https://pip.pypa.io/en/stable/getting-started/

A Simple Example

.. code-block :: python

import click

```
@click.command()
@click.option("--count", default=1, help="Number of greetings.")
@click.option("--name", prompt="Your name", help="The person to greet.")
def hello(count, name):
    """Simple program that greets NAME for a total of COUNT times."""
    for _ in range(count):
        click.echo(f"Hello, {name}!")
```

```
if __name__ == '__main__':
hello()
```

.. code-block :: text

\$ python hello.py --count=3
Your name: Click
Hello, Click!
Hello, Click!
Hello, Click!

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Links

- Documentation: https://click.palletsprojects.com/
- Changes: https://click.palletsprojects.com/changes/
- PyPI Releases: https://pypi.org/project/click/
- Source Code: https://github.com/pallets/click
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ca-bundle.crt -- Bundle of CA Root Certificates

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1.51 python-setuptools 65.6.3

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1.57 python-lxml 4.9.3

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1.58 asn1 2.7.0

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PLY (Python Lex-Yacc) Version 3.11

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

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Introduction

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

PLY is very closely modeled after traditional lex/yacc.
 If you know how to use these tools in C, you will find PLY

to be similar.

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

How to Use

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

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

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

import lex import yacc

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

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

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

A simple example is found at the end of this document

Requirements

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

Resources

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

http://www.dabeaz.com/ply

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

The GitHub page for PLY can be found at:

https://github.com/dabeaz/ply

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

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

Acknowledgments

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

The CHANGES file acknowledges those who have contributed patches.

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

Special Note for PLY-3.0

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')'
t_NAME = r'[a-zA-Z_][a-zA-Z0-9_]*'
def t_NUMBER(t):
 r'\d+'
 t.value = int(t.value)
 return t
# Ignored characters
t_ignore = " t"
def t_newline(t):
 r' n+'
 t.lexer.lineno += t.value.count("\n")
def t_error(t):
```

print("Illegal character '%s'" % t.value[0])
t.lexer.skip(1)

```
# Build the lexer
import ply.lex as lex
lex.lex()
```

```
# Precedence rules for the arithmetic operators
precedence = (
    ('left','PLUS','MINUS'),
    ('left','TIMES','DIVIDE'),
    ('right','UMINUS'),
   )
```

dictionary of names (for storing variables)
names = { }

```
def p_statement_assign(p):
    'statement : NAME EQUALS expression'
    names[p[1]] = p[3]
```

```
def p_statement_expr(p):
    'statement : expression'
    print(p[1])
```

```
def p_expression_binop(p):
    "expression : expression PLUS expression
        | expression MINUS expression
        | expression TIMES expression
        | expression DIVIDE expression""
    if p[2] == '+' : p[0] = p[1] + p[3]
    elif p[2] == '-': p[0] = p[1] - p[3]
    elif p[2] == '': p[0] = p[1] * p[3]
    elif p[2] == '/': p[0] = p[1] / p[3]
```

```
def p_expression_uminus(p):
    'expression : MINUS expression % prec UMINUS'
    p[0] = -p[2]
```

```
def p_expression_group(p):
    'expression : LPAREN expression RPAREN'
    p[0] = p[2]
```

```
def p_expression_number(p):
    'expression : NUMBER'
    p[0] = p[1]
```

def p_expression_name(p):

```
'expression : NAME'
  try:
    p[0] = names[p[1]]
  except LookupError:
    print("Undefined name '%s'" % p[1])
    p[0] = 0
def p_error(p):
  print("Syntax error at '%s'" % p.value)
import ply.yacc as yacc
yacc.yacc()
while True:
  try:
    s = raw_input('calc > ') # use input() on Python 3
  except EOFError:
    break
  yacc.parse(s)
```

Bug Reports and Patches

-- Dave

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

1.60 fastapi 0.98.0

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://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 https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

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

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Release	Derive	ed Yea	r Ow	ner GP	L-
from			compatible? (1)		
0.9.0 thru	1.2	1991-1	995 CW	/I yes	
1.3 thru 1.	1995-	-1999 C	NRI ye	es	
1.6	1.5.2	2000	CNRI	no	
2.0	1.6	2000	BeOpen	.com no	
1.6.1	1.6	2001	CNRI	yes (2)	
2.1	2.0+1.6.	1 2001	PSF	no	
2.0.1	2.0+1.6	5.1 2001	PSF	yes	
2.1.1	2.1 + 2.0	0.1 2001	PSF	yes	
2.1.2	2.1.1	2002	PSF	yes	
2.1.3	2.1.2	2002	PSF	yes	
2.2 and ab	ove 2.1.	.1 200	1-now	PSF y	es

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b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

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

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

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

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

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

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

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

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

contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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

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

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

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

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to use the modified definitions.)

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

c) 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.

d) 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 source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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That's all there is to it!

1.83 paramiko 3.2.0

1.83.1 Available under license :

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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 into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"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.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or

table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

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

4. You may copy and distribute the Library (or a portion or

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

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

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

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

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

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

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

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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.)

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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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1.84 python-setuptools 8.8.0

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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.

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	Derive	d Year	r Owne	er GPL-	
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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 2	2000	BeOpen.c	om no	
1.6.1	1.6	2001	CNRI	yes (2)	
2.1	2.0+1.6.1	2001	PSF	no	
2.0.1	2.0+1.6.	1 2001	PSF	yes	
2.1.1	2.1+2.0.	1 2001	PSF	yes	

2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
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1.85 yarl 1.9.2

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1.87 selectors2 2.0.2

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1.88 pydantic 1.10.11

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1.89 python-certifi 2023.5.7

1.89.1 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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***** END LICENSE BLOCK *****
@(#) \$RCSfile: certdata.txt,v \$ \$Revision: 1.80 \$ \$Date: 2011/11/03 15:11:58 \$

1.90 pexpect 4.8.0

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1.91 pysmi-lextudio 1.1.13

1.91.1 Available under license :

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* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/LICENSE.rst

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Metadata-Version: 2.1 Name: pysmi-lextudio Version: 1.1.13 Summary: A pure-Python implementation of SNMP/SMI MIB parsing and conversion library. Home-page: https://github.com/lextudio/pysmi License: BSD-2-Clause Author: Ilya Etingof Author-email: etingof@gmail.com Requires-Python: >=3.7,<4.0 Classifier: Development Status :: 5 - Production/Stable Classifier: Environment :: Console Classifier: Intended Audience :: Developers 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 :: 3 Classifier: Programming Language :: Python :: 3.7 Classifier: Programming Language :: Python :: 3.8 Classifier: Programming Language :: Python :: 3.9 Classifier: Programming Language :: Python :: 3.10 Classifier: Programming Language :: Python :: 3.11 Classifier: Topic :: Communications Classifier: Topic :: Software Development :: Libraries :: Python Modules Requires-Dist: ply (>=3.11,<4.0) Requires-Dist: requests (>=2.26.0,<3.0.0) Project-URL: Repository, https://github.com/lextudio/pysmi Description-Content-Type: text/markdown

SNMP MIB parser

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PySMI is a pure-Python implementation of

[SNMP SMI](https://en.wikipedia.org/wiki/Management_information_base) MIB parser. This tool is designed to turn ASN.1 MIBs into various formats. As of this moment, JSON and [pysnmp](https://github.com/lextudio/pysnmp) modules can be generated from ASN.1 MIBs.

Features

* Understands SMIv1, SMIv2 and de-facto SMI dialects

* Turns MIBs into pysnmp classes and JSON documents

* Maintains an index of MIB objects over many MIB modules

* Automatically pulls ASN.1 MIBs from local directories, ZIP archives,

HTTP and FTP servers

* 100% Python, works with Python 3.7+

Rendered PySMI documentation can be found at [pysmi site](https://www.pysnmp.com/pysmi).

How to use PySMI

If you are using pysnmp, you might never notice pysmi presence - pysnmp calls pysmi for MIB download and compilation behind the scenes (you can still can do that manually by invoking *mibdump* tool).

To turn ASN.1 MIB into a JSON document, call *mibdump* tool like this:

•••

\$ mibdump --generate-mib-texts --destination-format json IF-MIB Source MIB repositories: file:///usr/share/snmp/mibs, https://mibs.pysnmp.com/asn1/@mib@ Borrow missing/failed MIBs from: https://mibs.pysnmp.com/json/fulltexts/@mib@ Existing/compiled MIB locations: Compiled MIBs destination directory: . MIBs excluded from code generation: RFC-1212, RFC-1215, RFC1065-SMI, RFC1155-SMI, RFC1158-MIB, RFC1213-MIB, SNMPv2-CONF, SNMPv2-SMI, SNMPv2-TC, SNMPv2-TM MIBs to compile: IF-MIB Destination format: json Parser grammar cache directory: not used Also compile all relevant MIBs: yes Rebuild MIBs regardless of age: yes Do not create/update MIBs: no Byte-compile Python modules: no (optimization level no) Ignore compilation errors: no Generate OID->MIB index: no

Generate texts in MIBs: yes Keep original texts layout: no Try various filenames while searching for MIB module: yes Created/updated MIBs: IANAifType-MIB, IF-MIB, SNMPv2-MIB Pre-compiled MIBs borrowed: Up to date MIBs: SNMPv2-CONF, SNMPv2-SMI, SNMPv2-TC Missing source MIBs: Ignored MIBs: Failed MIBs:

JSON document build from [IF-MIB module](https://mibs.pysnmp.com/asn1/IF-MIB) would hold information such as:

```
...
 {
   "ifMIB": {
     "name": "ifMIB",
     "oid": "1.3.6.1.2.1.31",
     "class": "moduleidentity",
     "revisions": [
      "2007-02-15 00:00",
      "1996-02-28 21:55",
      "1993-11-08 21:55"
     ]
    },
   ...
   "ifTestTable": {
    "name": "ifTestTable",
    "oid": "1.3.6.1.2.1.31.1.3",
    "nodetype": "table",
    "class": "objecttype",
    "maxaccess": "not-accessible"
   },
   "ifTestEntry": {
    "name": "ifTestEntry",
    "oid": "1.3.6.1.2.1.31.1.3.1",
    "nodetype": "row",
    "class": "objecttype",
    "maxaccess": "not-accessible",
    "augmention": {
     "name": "ifTestEntry",
     "module": "IF-MIB",
     "object": "ifEntry"
    }
   },
   "ifTestId": {
```

```
"name": "ifTestId",
"oid": "1.3.6.1.2.1.31.1.3.1.1",
"nodetype": "column",
"class": "objecttype",
"syntax": {
    "type": "TestAndIncr",
    "class": "type"
    },
    "maxaccess": "read-write"
    },
....
}
```

In general, converted MIBs capture all aspects of original (ASN.1) MIB contents and layout. The snippet above is just a partial example, but here is the complete [IF-MIB.json](https://mibs.pysnmp.com/json/fulltexts/IF-MIB.json) file.

Besides one-to-one MIB conversion, PySMI library can produce JSON index to facilitate fast MIB information lookup across large collection of MIB files. For example, JSON index for [IP-MIB.json](https://mibs.pysnmp.com/json/asn1/IP-MIB), [TCP-MIB.json](https://mibs.pysnmp.com/json/asn1/TCP-MIB) and [UDP-MIB.json](https://mibs.pysnmp.com/json/asn1/UDP-MIB) modules would keep information like this:

```
...
 {
  "compliance": {
    "1.3.6.1.2.1.48.2.1.1": [
     "IP-MIB"
    ],
    "1.3.6.1.2.1.49.2.1.1": [
     "TCP-MIB"
    ],
    "1.3.6.1.2.1.50.2.1.1": [
     "UDP-MIB"
    ]
  },
  "identity": {
     "1.3.6.1.2.1.48": [
      "IP-MIB"
     ],
     "1.3.6.1.2.1.49": [
      "TCP-MIB"
     ],
     "1.3.6.1.2.1.50": [
```

```
"UDP-MIB"
     ]
  },
  "oids": {
     "1.3.6.1.2.1.4": [
      "IP-MIB"
     ],
     "1.3.6.1.2.1.5": [
      "IP-MIB"
     ],
     "1.3.6.1.2.1.6": [
      "TCP-MIB"
     ],
     "1.3.6.1.2.1.7": [
      "UDP-MIB"
     ],
     "1.3.6.1.2.1.49": [
      "TCP-MIB"
     ],
     "1.3.6.1.2.1.50": [
      "UDP-MIB"
     1
  }
 }
...
```

With this example, *compliance* and *identity* keys point to *MODULE-COMPLIANCE* and *MODULE-IDENTITY* MIB objects, *oids* list top-level OIDs branches defined in MIB modules. Full index build over thousands of MIBs could be seen [here](https://mibs.pysnmp.com/json/index.json).

The PySMI library can automatically fetch required MIBs from HTTP, FTP sites or local directories. You could configure any MIB source available to you (including https://mibs.pysnmp.com/asn1/) for that purpose.

How to get PySMI

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

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

If something does not work as expected, [open an issue](https://github.com/lextudio/pysnmp/issues) at GitHub or post your question [on Stack Overflow](https://stackoverflow.com/questions/ask). Copyright (c) 2015-2020, [Ilya Etingof](mailto:etingof@gmail.com). Copyright (c) 2022, [LeXtudio Inc.](mailto:support@lextudio.com). All rights reserved.

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SNMP SMI compiler

.. toctree::

:maxdepth: 2

The PySMI library and tools are designed to parse, verify and transform `SNMP SMI <https://en.wikipedia.org/wiki/Management_information_base>`_ MIB modules from their original ASN.1 form into JSON or `pysnmp <https://www.pysnmp.com/pysnmp/>`_ representation.

Documentation

.. toctree::

:maxdepth: 2

/documentation

Source code & Changelog

Project source code is hosted at `GitHub <https://github.com/lextudio/pysmi>`_. Everyone is welcome to fork and contribute back!

We maintain the detailed :doc:`log of changes </changelog>` to our software.

Download & Install

.. toctree:: :maxdepth: 2

/download

Changes

.. toctree::

:maxdepth: 1

/changelog

License

The SNMP SMI library software is distributed under 2-clause BSD License.

.. toctree:: :maxdepth: 2

/license

MIB files archive

The PySMI project maintains a `collection <https://mibs.pysnmp.com/asn1/>`_ of publicly available ASN.1 MIB files collected on the Internet. You are welcome to use this MIBs archive however we can't guarantee any degree of consistency or reliability when it comes to these MIB modules.

The *mibdump.py* tool as well as many other utilities based on PySMI are programmed to use this MIB repository for automatic download and dependency resolution.

You can always reconfigure PySMI to use some other remote MIB repository instead or in addition to this one.

Contact

In case of questions or troubles using SNMP SMI library, please open up an `issue <https://github.com/lextudio/pysnmp/issues>`_ at GitHub or ask at `Stack Overflow <https://stackoverflow.com/questions/tagged/pysnmp>`_ .

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SNMP MIB parser

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PySMI is a pure-Python implementation of

[SNMP SMI](https://en.wikipedia.org/wiki/Management_information_base) MIB parser. This tool is designed to turn ASN.1 MIBs into various formats. As of this moment, JSON and [pysnmp](https://github.com/lextudio/pysnmp) modules can be generated from ASN.1 MIBs.

Features

* Understands SMIv1, SMIv2 and de-facto SMI dialects

* Turns MIBs into pysnmp classes and JSON documents

* Maintains an index of MIB objects over many MIB modules

* Automatically pulls ASN.1 MIBs from local directories, ZIP archives,

HTTP and FTP servers

* 100% Python, works with Python 3.7+

Rendered PySMI documentation can be found at [pysmi site](https://www.pysnmp.com/pysmi).

How to use PySMI

If you are using pysnmp, you might never notice pysmi presence - pysnmp calls pysmi for MIB download and compilation behind the scenes (you can still can do that manually by invoking *mibdump* tool).

To turn ASN.1 MIB into a JSON document, call *mibdump* tool like this:

•••

\$ mibdump --generate-mib-texts --destination-format json IF-MIB Source MIB repositories: file:///usr/share/snmp/mibs, https://mibs.pysnmp.com/asn1/@mib@ Borrow missing/failed MIBs from: https://mibs.pysnmp.com/json/fulltexts/@mib@ Existing/compiled MIB locations: Compiled MIBs destination directory: . MIBs excluded from code generation: RFC-1212, RFC-1215, RFC1065-SMI, RFC1155-SMI, RFC1158-MIB, RFC1213-MIB, SNMPv2-CONF, SNMPv2-SMI, SNMPv2-TC, SNMPv2-TM MIBs to compile: IF-MIB Destination format: json Parser grammar cache directory: not used Also compile all relevant MIBs: yes Rebuild MIBs regardless of age: yes Do not create/update MIBs: no Byte-compile Python modules: no (optimization level no) Ignore compilation errors: no Generate OID->MIB index: no

Generate texts in MIBs: yes Keep original texts layout: no Try various filenames while searching for MIB module: yes Created/updated MIBs: IANAifType-MIB, IF-MIB, SNMPv2-MIB Pre-compiled MIBs borrowed: Up to date MIBs: SNMPv2-CONF, SNMPv2-SMI, SNMPv2-TC Missing source MIBs: Ignored MIBs: Failed MIBs:

JSON document build from [IF-MIB module](https://mibs.pysnmp.com/asn1/IF-MIB) would hold information such as:

...

```
{
 "ifMIB": {
    "name": "ifMIB",
    "oid": "1.3.6.1.2.1.31",
    "class": "moduleidentity",
    "revisions": [
     "2007-02-15 00:00",
     "1996-02-28 21:55",
     "1993-11-08 21:55"
    ]
  },
 ...
 "ifTestTable": {
  "name": "ifTestTable",
  "oid": "1.3.6.1.2.1.31.1.3",
  "nodetype": "table",
   "class": "objecttype",
   "maxaccess": "not-accessible"
 },
 "ifTestEntry": {
   "name": "ifTestEntry",
  "oid": "1.3.6.1.2.1.31.1.3.1",
   "nodetype": "row",
   "class": "objecttype",
   "maxaccess": "not-accessible",
   "augmention": {
    "name": "ifTestEntry",
    "module": "IF-MIB",
    "object": "ifEntry"
   }
 },
 "ifTestId": {
```

```
"name": "ifTestId",
"oid": "1.3.6.1.2.1.31.1.3.1.1",
"nodetype": "column",
"class": "objecttype",
"syntax": {
    "type": "TestAndIncr",
    "class": "type"
    },
    "maxaccess": "read-write"
    },
....
}
```

In general, converted MIBs capture all aspects of original (ASN.1) MIB contents and layout. The snippet above is just a partial example, but here is the complete [IF-MIB.json](https://mibs.pysnmp.com/json/fulltexts/IF-MIB.json) file.

Besides one-to-one MIB conversion, PySMI library can produce JSON index to facilitate fast MIB information lookup across large collection of MIB files. For example, JSON index for [IP-MIB.json](https://mibs.pysnmp.com/json/asn1/IP-MIB), [TCP-MIB.json](https://mibs.pysnmp.com/json/asn1/TCP-MIB) and [UDP-MIB.json](https://mibs.pysnmp.com/json/asn1/UDP-MIB) modules would keep information like this:

```
...
 {
  "compliance": {
    "1.3.6.1.2.1.48.2.1.1": [
     "IP-MIB"
    ],
    "1.3.6.1.2.1.49.2.1.1": [
     "TCP-MIB"
    ],
    "1.3.6.1.2.1.50.2.1.1": [
     "UDP-MIB"
    ]
  },
  "identity": {
     "1.3.6.1.2.1.48": [
      "IP-MIB"
     ],
     "1.3.6.1.2.1.49": [
      "TCP-MIB"
     ],
     "1.3.6.1.2.1.50": [
```

```
"UDP-MIB"
     ]
  },
  "oids": {
     "1.3.6.1.2.1.4": [
      "IP-MIB"
     ],
     "1.3.6.1.2.1.5": [
      "IP-MIB"
     ],
     "1.3.6.1.2.1.6": [
      "TCP-MIB"
     ],
     "1.3.6.1.2.1.7": [
      "UDP-MIB"
     ],
     "1.3.6.1.2.1.49": [
      "TCP-MIB"
     ],
     "1.3.6.1.2.1.50": [
      "UDP-MIB"
     1
  }
 }
...
```

With this example, *compliance* and *identity* keys point to *MODULE-COMPLIANCE* and *MODULE-IDENTITY* MIB objects, *oids* list top-level OIDs branches defined in MIB modules. Full index build over thousands of MIBs could be seen [here](https://mibs.pysnmp.com/json/index.json).

The PySMI library can automatically fetch required MIBs from HTTP, FTP sites or local directories. You could configure any MIB source available to you (including https://mibs.pysnmp.com/asn1/) for that purpose.

How to get PySMI

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

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

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* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/README.md

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'long_description': '\nSNMP MIB parser\n------\n[![PyPI](https://img.shields.io/pypi/v/pysmilextudio.svg?maxAge=2592000)](https://pypi.org/project/pysmi-lextudio)\n[![PyPI Downloads](https://img.shields.io/pypi/dd/pysmi-lextudio)](https://pypi.python.org/pypi/pysmilextudio/)\n[![Python Versions](https://img.shields.io/pypi/pyversions/pysmilextudio.svg)](https://pypi.org/project/pysmi-lextudio/)\n[![GitHub license](https://img.shields.io/badge/license-BSD-blue.svg)](https://raw.githubusercontent.com/lextudio/pysmi/master/LICENSE.rst)\n\nPySMI is a pure-Python implementation of\n[SNMP SMI](https://en.wikipedia.org/wiki/Management_information_base) MIB parser.\nThis tool is designed to turn ASN.1 MIBs into various formats. As of this moment, nJSON and [pysnmp](https://github.com/lextudio/pysnmp) modules can be generated\nfrom ASN.1 MIBs.\n\nFeatures\n------\n\n* Understands SMIv1, SMIv2 and de-facto SMI dialects\n* Turns MIBs into pysnmp classes and JSON documents\n* Maintains an index of MIB objects over many MIB modules\n* Automatically pulls ASN.1 MIBs from local directories, ZIP archives,\n HTTP and FTP servers\n* 100% Python, works with Python 3.7+\n\nRendered PySMI documentation can be found at [pysmi site](https://www.pysnmp.com/pysmi).\n\nHow to use PySMI\n-----\n\nIf you are using pysnmp, you might never notice pysmi presence - pysnmp\ncalls pysmi for MIB download and compilation behind the scenes (you can/nstill can do that manually by invoking *mibdump* tool).\n\nTo turn ASN.1 MIB into a JSON document, call *mibdump* tool like this:\n\n```\n\$ mibdump --generate-mib-texts --destination-format json IF-MIB\nSource MIB repositories: file:///usr/share/snmp/mibs, https://mibs.pysnmp.com/asn1/@mib@\nBorrow missing/failed MIBs from: https://mibs.pysnmp.com/json/fulltexts/@mib@\nExisting/compiled MIB locations: \nCompiled MIBs destination directory: \nMIBs excluded from code generation: RFC-1212, RFC-1215, RFC1065-SMI, RFC1155-SMI,\nRFC1158-MIB, RFC1213-MIB, SNMPv2-CONF, SNMPv2-SMI, SNMPv2-TC, SNMPv2-TM\nMIBs to compile: IF-MIB\nDestination format: json\nParser grammar cache directory: not used\nAlso compile all relevant MIBs: yes\nRebuild MIBs regardless of age: yes\nDo not create/update MIBs: no\nByte-compile Python modules: no (optimization level no)\nIgnore compilation errors: no\nGenerate OID->MIB index: no\nGenerate texts in MIBs: yes\nKeep original texts layout: no\nTry various filenames while searching for MIB module: yes\nCreated/updated MIBs: IANAifType-MIB, IF-MIB, SNMPv2-MIB\nPre-compiled MIBs borrowed: \nUp to date MIBs: SNMPv2-CONF, SNMPv2-SMI, SNMPv2-TC\nMissing source MIBs: \nIgnored MIBs: \nFailed MIBs: \n``\n\nJSON document build from\n[IF-MIB module](https://mibs.pysnmp.com/asn1/IF-MIB)\nwould hold information such as: $n^{n} \in \{n\}$ "ifMIB": {\n "name": "ifMIB",\n "oid": "1.3.6.1.2.1.31",\n "class": "moduleidentity",\n "revisions": [n"2007-02-15 00:00",\n "1996-02-28 21:55".\n "1993-11-08 21:55"\n]\n },\n ...\n "ifTestTable": {\n "name": "ifTestTable",\n "oid": "1.3.6.1.2.1.31.1.3",\n "nodetype": "table",\n "class": "objecttype",\n "maxaccess": "not-accessible"\n },\n "ifTestEntry": {\n "name": "ifTestEntry",\n "oid": "1.3.6.1.2.1.31.1.3.1",\n "nodetype": "row",\n "class": "objecttype",\n "maxaccess": "not-accessible",\n "augmention": {\n "name": "ifTestEntry",\n "module": "IF-MIB",\n "object": "ifEntry"\n }\n },\n "ifTestId": {\n "name": "ifTestId",\n "oid": "1.3.6.1.2.1.31.1.3.1.1",\n "nodetype": "column",\n "class": "objecttype",\n "syntax": $\{ n \}$ "type": "TestAndIncr",\n "class": "type"\n },\n "maxaccess": "read-write"\n },\n $\dots n$ $n \in \mathbb{N}^n$ multiply the second se The snippet above is just a partial example, but here is the\ncomplete [IF-

MIB.json](https://mibs.pysnmp.com/json/fulltexts/IF-MIB.json)\nfile.\n\nBesides one-to-one MIB conversion, PySMI library can produce JSON index to\nfacilitate fast MIB information lookup across large collection of MIB files.\nFor example, JSON index for\n[IP-MIB.json](https://mibs.pysnmp.com/json/asn1/IP-MIB),\n[TCP-MIB.json](https://mibs.pysnmp.com/json/asn1/TCP-MIB) and\n[UDP-

$\label{eq:MIB.json} MIB.json] (https://mibs.pysnmp.com/json/asn1/UDP-MIB) \nodules would keep information like this: \n'n \ \nodules \no$					
"compliance": {\n "1.3.6.1.2.1.48.2.1.1": [\n		.1": [\n "	IP-MIB"∖n],\n "1.3.6.1.2.1.49.2.1.1": [\n	
"TCP-MIB"\n],\	n "1.3.6.1.2.1.50.2	2.1.1": [\n	"UDP-MIB"\n	$]n },n "iden"$	tity": {\n
"1.3.6.1.2.1.48": [\n	"IP-MIB"\n],\n "1.3.	6.1.2.1.49": [\n	"TCP-MIB"\n],\n
"1.3.6.1.2.1.50": [\n	"UDP-MIB"\n]\n },\n	"oids": $\{n\}$	"1.3.6.1.2.1.4": [\n	"IP-
MIB"\n],\n	"1.3.6.1.2.1.5": [\n	"IP-MIB"	\n],\n	"1.3.6.1.2.1.6": [\n	"TCP-
MIB"\n],\n	"1.3.6.1.2.1.7": [\n	"UDP-MI	B"\n],\n	"1.3.6.1.2.1.49": [\n	"TCP-
MIB"\n],\n	"1.3.6.1.2.1.50": [\n	"UDP-MIB"\n]\n }\n``\n\nWith this example		s example,	

compliance and *identity* keys point to\n*MODULE-COMPLIANCE* and *MODULE-IDENTITY* MIB objects, *oids*\nlist top-level OIDs branches defined in MIB modules. Full index\nbuild over thousands of MIBs could be seen\n[here](https://mibs.pysnmp.com/json/index.json).\n\nThe PySMI library can automatically fetch required MIBs from HTTP, FTP sites\nor local directories. You could configure any MIB source available to you (including\nhttps://mibs.pysnmp.com/asn1/) for that purpose.\n\nHow to get PySMI\n------\n\nThe pysmi package is distributed under terms and conditions of 2-clause\nBSD [license](https://www.pysnmp.com/pysmi/license.html). Source code is freely\navailable as a GitHub [repo](https://github.com/lextudio/pysmi).\n\nYou could `pip install pysmi-lextudio` or download it from [PyPI](https://pypi.org/project/pysmi-lextudio/).\n\nIf something does not work as expected,\n[open an issue](https://github.com/lextudio/pysmp/issues) at GitHub or\npost your question [on Stack Overflow](https://stackoverflow.com/questions/ask).\n\nCopyright (c) 2015-2020, [Ilya Etingof](mailto:etingof@gmail.com).\nCopyright (c) 2022, [LeXtudio Inc.](mailto:support@lextudio.com).\nAll rights reserved.\n',

Found in path(s):

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-

1.1.13/setup.py

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License: https://www.pysnmp.com/pysmi/license.html

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* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-

1.1.13/pysmi/debug.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-

1.1.13/pysmi/parser/smiv2.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-

- 1.1.13/tests/test_smiv1_smiv2_pysnmp.py
- $* / opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1-1-13-tar-gz/pysmi_lextudio-1-1-13-tar-gz/pysmi_lextudio-1-1-13-tar-gz/pysmi_lextudio-1-1-13-tar-gz/pysmi_lextudio-1-1-13-tar-gz/pysmi_lextudio-1-1-13-tar-gz/pysmi_lextudio-1-1-13-tar-gz/pysmi_lextudio-1-1-13-tar-gz/pysmi_lextudio-1-1-13-tar-gz/pysmi_lextudio-1-1-13-tar-gz/pysmi_lextudio-1-1-13-tar-gz/pysmi_lextudio-1-1-13-tar-gz/pysmi_lextudio-1-1-13-tar-gz/pysmi_lextudio-1-1-13-tar-gz/pysmi_lextudio-1-1-13-tar-gz/pysmi_lextudio-1-1-13-tar-gz/pysmi_lextudio-1-1-13-tar-gz/pysmi_lextudio-1-13-tar-gz/pysmi_lextu$
- 1.1.13/pysmi/searcher/base.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-

1.1.13/pysmi/reader/localfile.py

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1.1.13/pysmi/reader/callback.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-

1.1.13/pysmi/borrower/anyfile.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-

1.1.13/pysmi/scripts/mibcopy.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-

1.1.13/pysmi/parser/base.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/pysmi/codegen/null.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-

1.1.13/pysmi/codegen/__init__.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/pysmi/reader/zipreader.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/tests/__main__.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/tests/test_moduleidentity_smiv2_pysnmp.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/pysmi/parser/smiv1compat.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-

1.1.13/pysmi/parser/dialect.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/pysmi/lexer/smi.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/tests/test_traptype_smiv2_pysmp.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/tests/test_notificationgroup_smiv2_pysnmp.py

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1.1.13/tests/test_notificationtype_smiv2_pysnmp.py

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* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/tests/test_zipreader.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/pysmi/reader/url.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/tests/test_typedeclaration_smiv2_pysmp.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/pysmi/parser/__init__.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/pysmi/borrower/__init__.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/pysmi/borrower/pyfile.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/pysmi/parser/smi.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/pysmi/codegen/symtable.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-

1.1.13/pysmi/searcher/stub.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-

1.1.13/tests/test valuedeclaration smiv2 pysnmp.py */opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/pysmi/codegen/jsondoc.py */opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/pysmi/codegen/base.py */opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/pysmi/searcher/ init .py */opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/pysmi/writer/base.py */opt/cola/permits/1722522521 1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi lextudio-1.1.13/pysmi/reader/base.py */opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/pysmi/compiler.py */opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/pysmi/lexer/__init__.py */opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/pysmi/searcher/pypackage.py */opt/cola/permits/1722522521 1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi lextudio-1.1.13/pysmi/lexer/base.py */opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/pysmi/parser/smiv1.py */opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/pysmi/writer/callback.py */opt/cola/permits/1722522521 1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi lextudio-1.1.13/pysmi/compat.py */opt/cola/permits/1722522521 1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi lextudio-1.1.13/pysmi/reader/ init .py */opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/tests/test imports smiv2 pysnmp.py * /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/tests/test_modulecompliance_smiv2_pysnmp.py * /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/pysmi/scripts/mibdump.py * /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/pysmi/searcher/pyfile.py */opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/pysmi/writer/pyfile.py */opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/pysmi/codegen/pysnmp.py */opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/pysmi/writer/__init__.py */opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/tests/test_objectidentity_smiv2_pysnmp.py */opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/pysmi/parser/null.py */opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-1.1.13/tests/test_objectgroup_smiv2_pysnmp.py */opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio1.1.13/pysmi/error.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-

1.1.13/pysmi/searcher/anyfile.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-

1.1.13/tests/test_agentcapabilities_smiv2_pysnmp.py

*/opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-

1.1.13/pysmi/mibinfo.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-

1.1.13/pysmi/borrower/base.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-

1.1.13/tests/test_objecttype_smiv2_pysnmp.py

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1.1.13/pysmi/reader/httpclient.py

* /opt/cola/permits/1722522521_1686913241.2839613/0/pysmi-lextudio-1-1-13-tar-gz/pysmi_lextudio-

1.1.13/pysmi/writer/localfile.py

1.92 frozenlist 1.4.0

1.92.1 Available under license :

- Contributors -

Andrew Svetlov Marcin Konowalczyk Martijn Pieters Pau Freixes Paul Colomiets Apache License

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1.96 expat 2.5.0

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1.97 colorama 0.4.4

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1.98 tomli 2.0.1

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1.99 libxml2 2.10.3

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1.100 enum-compat 0.0.3

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Metadata-Version: 1.1 Name: enum-compat Version: 0.0.3 Summary: enum/enum34 compatibility package Home-page: https://github.com/jstasiak/enum-compat Author: Jakub Stasiak Author-email: jakub@stasiak.at License: MIT Description: enum-compat

This is a virtual package, its whole purpose is to install enum34 on Python older than 3.4. On Python 3.4+ it's a no-op.

Keywords: enum,compatibility,enum34 Platform: UNKNOWN Classifier: Intended Audience :: Developers Classifier: Topic :: Software Development :: Libraries Classifier: Programming Language :: Python Classifier: Programming Language :: Python :: 2 Classifier: Programming Language :: Python :: 2.6 Classifier: Programming Language :: Python :: 2.7 Classifier: Programming Language :: Python :: 3 Classifier: Programming Language :: Python :: 3 Classifier: Programming Language :: Python :: 3.4 Classifier: Programming Language :: Python :: 3.5

Found in path(s):

*/opt/cola/permits/1160336726_1673902146.5400865/0/enum-compat-0-0-3-tar-gz/enum-compat-

0.0.3/enum_compat.egg-info/PKG-INFO

* /opt/cola/permits/1160336726_1673902146.5400865/0/enum-compat-0-0-3-tar-gz/enum-compat-0.0.3/PKG-INFO

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'# Date created: 3 July 2003\n' Comment

'# Whom: Hye-Shik Chang <perky@FreeBSD.org>\n' Comment

'#\n' Comment

'# \$FreeBSD: ports/lang/python25/Makefile,v 1.145 2007/10/03 23:22:04 edwin Exp \$\n' Comment

'PORTNAME' Name.Variable

- '=' Operator
- '\t' Text.Whitespace
- 'python25' Text
- '\n' Text.Whitespace

'PORTVERSION' Name.Variable

- '=' Operator
- '\t' Text.Whitespace
- '2' Literal.Number
- '.5.1' Text
- '\n' Text.Whitespace

'CATEGORIES' Name.Variable

- '=' Operator
- '\t' Text.Whitespace
- 'lang' Text
- '' Text.Whitespace
- 'python' Text
- '' Text.Whitespace
- 'ipv6' Text
- '\n' Text.Whitespace

'MASTER_SITES' Name.Variable

- '=' Operator
- '\t' Text.Whitespace
- '\${' Literal.String.Interpol

'PYTHON_MASTER_SITES' Name.Variable

- '}' Literal.String.Interpol
- '\n' Text.Whitespace

'MASTER_SITE_SUBDIR' Name.Variable

- '=' Operator
- '\t' Text.Whitespace
- '\${' Literal.String.Interpol

'PYTHON_MASTER_SITE_SUBDIR' Name.Variable

- '}' Literal.String.Interpol
- '\n' Text.Whitespace

'DISTFILES' Name.Variable

- '=' Operator
- '\t' Text.Whitespace
- '\${' Literal.String.Interpol
- 'PYTHON_DISTFILE' Name.Variable
- '}' Literal.String.Interpol
- '\n' Text.Whitespace

'\n' Text.Whitespace 'MAINTAINER' Name.Variable '=' Operator '\t' Text.Whitespace 'python@FreeBSD.org' Text Text.Whitespace '\n' 'COMMENT' Name.Variable '?=' Operator '\t' Text.Whitespace 'An' Text • • Text.Whitespace 'interpreted' Text . . Text.Whitespace 'object-oriented' Text • • Text.Whitespace 'programming' Text ۰ ۱ Text.Whitespace 'language' Text Text.Whitespace '\n' '\n' Text.Whitespace 'DIST_SUBDIR' Name.Variable '=' Operator '\t' Text.Whitespace Text 'python' Text.Whitespace '\n' 'WRKSRC' Name.Variable '=' Operator '\t\t' Text.Whitespace '\${' Literal.String.Interpol 'PYTHON_WRKSRC' Name.Variable '}' Literal.String.Interpol '/portbld.static' Text '\n' Text.Whitespace 'PATCH_WRKSRC' Name.Variable '=' Operator '\t' Text.Whitespace '\${' Literal.String.Interpol 'PYTHON_WRKSRC' Name.Variable '}' Literal.String.Interpol '\n' Text.Whitespace

'GNU_CONFIGURE' Name.Variable

'='	Operator
'\t'	Text.Whitespace
'yes'	Text

'\n' Text.Whitespace

'CONFIGURE_TARGET' Name.Variable

- '=' Operator
- '\t' Text.Whitespace
- '--build' Text
- '=' Operator
- '\${' Literal.String.Interpol
- 'MACHINE_ARCH' Name.Variable
- '}' Literal.String.Interpol
- '-portbld-freebsd' Text
- '\${' Literal.String.Interpol
- 'OSREL' Name.Variable
- '}' Literal.String.Interpol
- '\n' Text.Whitespace

'CONFIGURE_SCRIPT' Name.Variable

- '=' Operator
- '\t' Text.Whitespace
- '../configure' Text
- '' Text.Whitespace
- '# must be relative\n' Comment.Single

'CONFIGURE_ENV' Name.Variable

'='	Operator
'\t'	Text.Whitespace
'OPT'	Name.Variable
'='	Operator
	Literal.String.Double
'\${'	Literal.String.Interpol
'CFLAG	S' Name.Variable
'}'	Literal.String.Interpol
	Literal.String.Double
• •	Text.Whitespace
'SVNVE	RSION' Name.Variable
'='	Operator
'''echo fr	eebsd"' Literal.String.Double
'\n'	Text.Whitespace
'MAKE	ENV' Name.Variable
'='	Operator

- '\t' Text.Whitespace
- 'VPATH' Name.Variable
- '=' Operator

"" Literal.String.Double

'\${' Literal.String.Interpol

'PYTHON_WRKSRC' Name.Variable

- '}' Literal.String.Interpol
- "" Literal.String.Double
- '\n' Text.Whitespace

'INSTALLS_SHLIB' Name.Variable

- '=' Operator
- '\t' Text.Whitespace
- 'yes' Text
- '\n' Text.Whitespace

'INSTALL_TARGET' Name.Variable

- '=' Operator
- '\t' Text.Whitespace
- 'altinstall' Text
- '\n' Text.Whitespace

'MAN1' Name.Variable

- '=' Operator
- '\t\t' Text.Whitespace
- '\${' Literal.String.Interpol

'PYTHON_VERSION' Name.Variable

- '}' Literal.String.Interpol
- '.1' Text
- '\n' Text.Whitespace
- '\n' Text.Whitespace

'USE_PYTHON' Name.Variable

- '=' Operator
- '\t' Text.Whitespace
- 'yes' Text
- '\n' Text.Whitespace

'PYTHON_VERSION' Name.Variable

- '=' Operator
- '\t' Text.Whitespace
- 'python2.5' Text
- '\n' Text.Whitespace

'PYTHON_NO_DEPENDS' Name.Variable

- '=' Operator
- '\t' Text.Whitespace
- 'yes' Text
- '\n' Text.Whitespace

'SHARED_WRKSRC' Name.Variable

- '=' Operator
- '\t' Text.Whitespace
- '\${' Literal.String.Interpol
- 'PYTHON_WRKSRC' Name.Variable
- '}' Literal.String.Interpol
- '/portbld.shared' Text
- '\n' Text.Whitespace
- 'PLIST' Name.Variable
- '=' Operator
- '\t\t' Text.Whitespace
- '\${' Literal.String.Interpol
- 'WRKDIR' Name.Variable
- '}' Literal.String.Interpol
- '/PLIST' Text
- '\n' Text.Whitespace

'PLIST_TEMPLATE' Name.Variable

- '?=' Operator
- '\${' Literal.String.Interpol
- 'PKGDIR' Name.Variable
- '}' Literal.String.Interpol
- '/pkg-plist' Text
- '\n' Text.Whitespace

'PLIST_SUB' Name.Variable

- '=' Operator
- '\t' Text.Whitespace
- 'PYVER' Name.Variable
- '=' Operator
- '\${' Literal.String.Interpol
- 'PYTHON_VERSION' Name.Variable
- ':' Punctuation
- 'S' Name.Variable
- '/python//' Punctuation
- '}' Literal.String.Interpol
- '' Text.Whitespace
- '\\\n' Literal.String.Escape
- '\t\t' Text.Whitespace

'PYVER_WITHPAT' Name.Variable

- '=' Operator
- '\${' Literal.String.Interpol
- 'PORTVERSION' Name.Variable
- ':' Punctuation

'S'	Name.Variable
'/.c/c/'	Punctuation
'}'	Literal.String.Interpol
'\n'	Text.Whitespace
'DEMO	
'='	Operator
'\t'	Text.Whitespace
'\${'	Literal.String.Interpol
'PREFIX	
'}'	Literal.String.Interpol
	xamples/' Text
'\${'	Literal.String.Interpol
	ON_VERSION' Name.Variable
'}'	Literal.String.Interpol
'\n'	Text.Whitespace
	DIR' Name.Variable
'='	Operator
'\t'	Text.Whitespace
'\${'	Literal.String.Interpol
'PREFIX	• •
'}'	Literal.String.Interpol
'/share/'	Text
'\${'	Literal.String.Interpol
	DN_VERSION' Name.Variable
'}'	_ Literal.String.Interpol
'\n'	Text.Whitespace
'\n'	Text.Whitespace
'BIN_SO	CRIPTS' Name.Variable
'='	Operator
'\t'	Text.Whitespace
'idle'	Text
• •	Text.Whitespace
'pydoc'	Text
	Text.Whitespace
'python'	Text
• •	Text.Whitespace
	shared' Text
• •	Text.Whitespace
	py' Text
• •	Text.Whitespace
	config' Text
• •	Text.Whitespace
'\\\n'	Literal.String.Escape

'\t\t' Text.Whitespace

'python-shared-config' Text

'\n' Text.Whitespace

'BINLINKS_SUB' Name.Variable

- '=' Operator
- '\t' Text.Whitespace
- '-e' Text
- '' Text.Whitespace

"'s,smtpd,smtpd\${PYTHON_VER}," Literal.String.Single

- '' Text.Whitespace
- '\\\n' Literal.String.Escape
- '\t\t' Text.Whitespace
- '-e' Text
- '' Text.Whitespace
- "'s,(idle|pydoc|python-shared|python),\\\1\${PYTHON_VER}," Literal.String.Single
- '\n\n' Text.Whitespace

'OPTIONS' Name.Variable

- '=' Operator
- '\t' Text.Whitespace
- 'THREADS' Text
- '' Text.Whitespace

"Enable thread support" Literal.String.Double

- '' Text.Whitespace
- 'on' Text
- '' Text.Whitespace
- '\\\n' Literal.String.Escape

'\t\t' Text.Whitespace

- 'HUGE_STACK_SIZE' Text
- '' Text.Whitespace
- "'Use a larger thread stack"' Literal.String.Double
- '' Text.Whitespace
- 'off' Text
- '' Text.Whitespace
- '\\\n' Literal.String.Escape

'\t\t' Text.Whitespace

- 'UCS4' Text
- '' Text.Whitespace

"'Use UCS4 for unicode support"' Literal.String.Double

- '' Text.Whitespace
- 'on' Text
- '' Text.Whitespace
- '\\\n' Literal.String.Escape

'\t\t' Text.Whitespace
'PYMALLOC' Text
'' Text.Whitespace
"Use python\'s internal malloc" Literal.String.Double
'' Text.Whitespace
'on' Text
'' Text.Whitespace
'\\\n' Literal.String.Escape
'\t\t' Text.Whitespace
'IPV6' Text
'' Text.Whitespace
"Enable IPv6 support" Literal.String.Double
'' Text.Whitespace
'on' Text
'' Text.Whitespace
'\\\n' Literal.String.Escape
'\t\t' Text.Whitespace
'FPECTL' Text
'' Text.Whitespace
"Enable floating point exception handling" Literal.String.Double
'' Text.Whitespace
'off' Text
'\n\n' Text.Whitespace
'.include <bsd.port.pre.mk>\n' Comment.Preproc</bsd.port.pre.mk>
'\n' Text.Whitespace
'.if \${PYTHON_VERSION} == \${PYTHON_DEFAULT_VERSION}\n' Comment.Preproc
'MLINKS' Name.Variable
'=' Operator
'\t\t' Text.Whitespace
'\${' Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
'}' Literal.String.Interpol
'.1' Text
'' Text.Whitespace
'python.1' Text
'\n' Text.Whitespace
'PLIST_SUB' Name.Variable
'+=' Operator

'\t' Text.Whitespace

'IF_DEFAULT' Name.Variable

'=' Operator Literal.String.Double '\n' Text.Whitespace '.else\n' Comment.Preproc 'PLIST_SUB' Name.Variable '+=' Operator '\t' Text.Whitespace 'IF_DEFAULT' Name.Variable '=' Operator "@comment " Literal.String.Double '\n' Text.Whitespace '.endif\n' Comment.Preproc '\n' Text.Whitespace '# workaround for a bug in base curses.h.\n' Comment 'CFLAGS' Name.Variable '+=' Operator '\t' Text.Whitespace '-D__wchar_t' Text '=' Operator 'wchar_t' Text '\n' Text.Whitespace '\n' Text.Whitespace '.if !defined(WITHOUT_THREADS)\n' Comment.Preproc 'CONFIGURE_ARGS' Name.Variable '+=' Operator '\t' Text.Whitespace '--with-threads' Text '\n' Text.Whitespace

'CFLAGS' Name.Variable

'+=' Operator

'\t\t' Text.Whitespace

'\${' Literal.String.Interpol

'PTHREAD_CFLAGS' Name.Variable

'}' Literal.String.Interpol

'\n' Text.Whitespace

'.if defined(WITHOUT_HUGE_STACK_SIZE)\n' Comment.Preproc

'CFLAGS' Name.Variable

'+=' Operator
'\t\t' Text.Whitespace
'-DTHREAD_STACK_SIZE' Text
'=' Operator
'0x20000' Text
'\n' Text.Whitespace
'.else\n' Comment.Preproc

'CFLAGS' Name.Variable
'+=' Operator
'\t\t' Text.Whitespace
'-DTHREAD_STACK_SIZE' Text
'=' Operator
'0x100000' Text
'\n' Text.Whitespace

'.endif # defined(WITHOUT_HUGE_STACK_SIZE)\n' Comment.Preproc

'CONFIGURE_ENV' Name.Variable

'+=' Operator '\t\t' Text.Whitespace 'LDFLAGS' Name.Variable '_' Operator Literal.String.Double '\${' Literal.String.Interpol 'PTHREAD_LIBS' Name.Variable '}' Literal.String.Interpol • • Literal.String.Double '\${' Literal.String.Interpol 'LDFLAGS' Name.Variable '}' Literal.String.Interpol Literal.String.Double '\n' Text.Whitespace '.else\n' Comment.Preproc 'CONFIGURE_ARGS' Name.Variable '+=' Operator '\t' Text.Whitespace '--without-threads' Text '\n' Text.Whitespace '.if defined(LDFLAGS)\n' Comment.Preproc 'CONFIGURE_ENV' Name.Variable

'+=' Operator

'\t\t' Text.Whitespace

'LDFLAGS' Name.Variable

- '=' Operator
- "" Literal.String.Double
- '\${' Literal.String.Interpol
- 'LDFLAGS' Name.Variable
- '}' Literal.String.Interpol
- "" Literal.String.Double
- '\n' Text.Whitespace

'.endif # defined(LDFLAGS)\n' Comment.Preproc

'.endif # !defined(WITHOUT_THREADS)\n' Comment.Preproc

'\n' Text.Whitespace

'.if !defined(WITHOUT_UCS4) && !defined(WITH_UCS2)\n' Comment.Preproc

'CONFIGURE_ARGS' Name.Variable

- '+=' Operator
- '\t' Text.Whitespace
- '--enable-unicode' Text
- '=' Operator
- 'ucs4' Text
- '\n' Text.Whitespace
- '.endif\n' Comment.Preproc

'\n' Text.Whitespace

'.if defined(WITHOUT_PYMALLOC)\n' Comment.Preproc

'CONFIGURE_ARGS' Name.Variable

'+=' Operator ' ' Text.Whitespace

'--without-pymalloc' Text

'\n' Text.Whitespace

'.endif\n' Comment.Preproc

'\n' Text.Whitespace

'.if ${ARCH} == i386 n' Comment.Preproc$

'PLIST_SUB' Name.Variable '+=' Operator '\t' Text.Whitespace 'X86_ONLY' Name.Variable '=' Operator

""" Literal.String.Double
'\n' Text.Whitespace
'.else\n' Comment.Preproc
'PLIST_SUB' Name.Variable
'+=' Operator
'\t' Text.Whitespace
'X86_ONLY' Name.Variable
'=' Operator
"@comment "' Literal.String.Double
'\n' Text.Whitespace
'.endif\n' Comment.Preproc
$\label{eq:arch} \label{eq:arch} \end{subarray} \e$
'PLIST_SUB' Name.Variable
'+=' Operator
' ' Text.Whitespace
'32BIT_ONLY' Name.Variable
'=' Operator
"@comment "' Literal.String.Double
'\n' Text.Whitespace
'.else\n' Comment.Preproc
'PLIST_SUB' Name.Variable
'PLIST_SUB' Name.Variable
'PLIST_SUB' Name.Variable '+=' Operator
'PLIST_SUB' Name.Variable '+=' Operator ' ' Text.Whitespace
'PLIST_SUB' Name.Variable '+=' Operator ' Text.Whitespace '32BIT_ONLY' Name.Variable
'PLIST_SUB' Name.Variable '+=' Operator ' Text.Whitespace '32BIT_ONLY' Name.Variable '=' Operator
 'PLIST_SUB' Name.Variable '+=' Operator ' Text.Whitespace '32BIT_ONLY' Name.Variable '=' Operator ''''' Literal.String.Double
 'PLIST_SUB' Name.Variable '+=' Operator ' Text.Whitespace '32BIT_ONLY' Name.Variable '=' Operator ''''' Literal.String.Double '\n' Text.Whitespace
 'PLIST_SUB' Name.Variable '+=' Operator ' Text.Whitespace '32BIT_ONLY' Name.Variable '=' Operator ''''' Literal.String.Double '\n' Text.Whitespace '.endif\n' Comment.Preproc
<pre>'PLIST_SUB' Name.Variable '+=' Operator ' Text.Whitespace '32BIT_ONLY' Name.Variable '=' Operator ''''' Literal.String.Double '\n' Text.Whitespace '.endif\n' Comment.Preproc '.if \${ARCH} == sparc64\n' Comment.Preproc</pre>
<pre>'PLIST_SUB' Name.Variable '+=' Operator ' ' Text.Whitespace '32BIT_ONLY' Name.Variable '=' Operator ''''' Literal.String.Double '\n' Text.Whitespace '.endif\n' Comment.Preproc '.if \${ARCH} == sparc64\n' Comment.Preproc</pre>
<pre>'PLIST_SUB' Name.Variable '+=' Operator ' ' Text.Whitespace '32BIT_ONLY' Name.Variable '=' Operator ''''' Literal.String.Double '\n' Text.Whitespace '.endif\n' Comment.Preproc '.if \${ARCH} == sparc64\n' Comment.Preproc 'CFLAGS' Name.Variable '+=' Operator</pre>
<pre>'PLIST_SUB' Name.Variable '+=' Operator ' ' Text.Whitespace '32BIT_ONLY' Name.Variable '=' Operator ''''' Literal.String.Double '\n' Text.Whitespace '.endif\n' Comment.Preproc '.if \${ARCH} == sparc64\n' Comment.Preproc 'CFLAGS' Name.Variable '+=' Operator '. Text.Whitespace</pre>
<pre>'PLIST_SUB' Name.Variable '+=' Operator ' ' Text.Whitespace '32BIT_ONLY' Name.Variable '=' Operator ''''' Literal.String.Double '\n' Text.Whitespace '.endif\n' Comment.Preproc '.iff \${ARCH} == sparc64\n' Comment.Preproc 'CFLAGS' Name.Variable '+=' Operator ' Text.Whitespace '-DPYTHON_DEFAULT_RECURSION_LIMIT' Text</pre>
PLIST_SUB' Name.Variable '+=' Operator ' Text.Whitespace '32BIT_ONLY' Name.Variable '=' Operator ''''' Literal.String.Double \n' Text.Whitespace '.endif\n' Comment.Preproc '.if \${ARCH} == sparc64\n' Comment.Preproc 'CFLAGS' Name.Variable '+=' Operator ' Text.Whitespace '-DPYTHON_DEFAULT_RECURSION_LIMIT' Text '=' Operator

'.if !exists(/usr/bin/ypcat) # the world with NO_NIS\n' Comment.Preproc

'PLIST_SUB' Name.Variable '+=' Operator '\t' Text.Whitespace 'NO_NIS' Name.Variable '=' Operator "@comment "'Literal.String.Double '\n' Text.Whitespace '.else\n' Comment.Preproc 'PLIST_SUB' Name.Variable '+=' Operator '\t' Text.Whitespace 'NO_NIS' Name.Variable '=' Operator Literal.String.Double Text.Whitespace '\n' '.endif\n' Comment.Preproc '\n' Text.Whitespace '.if !defined(WITHOUT_IPV6)\n' Comment.Preproc 'CONFIGURE_ARGS' Name.Variable '+=' Operator • • Text.Whitespace '--enable-ipv6' Text '\n' Text.Whitespace '.else\n' Comment.Preproc 'CONFIGURE_ARGS' Name.Variable '+=' Operator • • Text.Whitespace '--disable-ipv6' Text '\n' Text.Whitespace '.endif\n' Comment.Preproc '\n' Text.Whitespace

'.if defined(WITH_FPECTL)\n' Comment.Preproc

'CONFIGURE_ARGS' Name.Variable

'+=' Operator '' Text.Whitespace

'--with-fpectl' Text

'\n' Text.Whitespace

'.endif\n' Comment.Preproc

'\n' Text.Whitespace

'.if \${OSVERSION} >= 700000\n' Comment.Preproc

'PLATFORMS' Name.Variable
'=' Operator
'plat-freebsd4' Text
'' Text.Whitespace
'plat-freebsd5' Text
'' Text.Whitespace
'plat-freebsd6' Text
'\n' Text.Whitespace

'.elif \${OSVERSION} >= 600000\n' Comment.Preproc

'PLATFORMS' Name.Variable '=' Operator 'plat-freebsd4' Text '' Text.Whitespace 'plat-freebsd5' Text '' Text.Whitespace 'plat-freebsd7' Text '\n' Text.Whitespace

'.else\n' Comment.Preproc

'PLATFORMS' Name.Variable
'=' Operator
'plat-freebsd4' Text
'' Text.Whitespace
'plat-freebsd6' Text
'' Text.Whitespace
'plat-freebsd7' Text
'\n' Text.Whitespace

'.endif\n' Comment.Preproc

'\n' Text.Whitespace

'pre-pa	atch' Name.Function
':'	Operator
'\n'	Text.Whitespace
'\t'	Text.Whitespace
\t '\${'	Literal.String.Interpol
Ψι MKD	
WKD.	
}	Literal.String.Interpol
	Text.Whitespace
-	Literal.String.Interpol
'WRK	
'}' ''	Literal.String.Interpol
	Text.Whitespace
	Literal.String.Interpol
	RED_WRKSRC' Name.Variable
'}'	Literal.String.Interpol
'/Modu	
'\n\t'	Text.Whitespace
-	Literal.String.Interpol
'SED'	Name.Variable
'}'	Literal.String.Interpol
• •	Text.Whitespace
'-e'	Text
• •	Text.Whitespace
"'1s,^. [:]	*\$\$,#!\${PREFIX}/bin/\${PYTHON_VERSION},'" Literal.String.Single
• •	Text.Whitespace
'\\\n'	Literal.String.Escape
'\t\t'	Text.Whitespace
'\${'	Literal.String.Interpol
'PATC	CH_WRKSRC' Name.Variable
'}'	Literal.String.Interpol
'/Tools	s/scripts/pydoc' Text
• •	Text.Whitespace
'>'	Text
• •	Text.Whitespace
'\${'	Literal.String.Interpol
'WRK	DIR' Name.Variable
'}'	Literal.String.Interpol
-	c2.5' Text
'\n\t'	Text.Whitespace
'\${'	Literal.String.Interpol
"SED	Name.Variable
'}'	Literal.String.Interpol
, ,	Text.Whitespace
'-e'	Text
-0	Text.Whitespace
"'1s ^ :	*\$\$,#!\${PREFIX}/bin/\${PYTHON_VERSION},'" Literal.String.Single
10, .	

'' Text.Whitespace
'\\\n' Literal.String.Escape
'\t\t' Text.Whitespace
'\${' Literal.String.Interpol
'PATCH_WRKSRC' Name.Variable
'}' Literal.String.Interpol
'/Tools/scripts/idle' Text
'' Text.Whitespace
'>' Text
'' Text.Whitespace
'\${' Literal.String.Interpol
'WRKDIR' Name.Variable
'}' Literal.String.Interpol
'/idle2.5' Text
'\n\t' Text.Whitespace
'\${' Literal.String.Interpol
'SED' Name.Variable
'}' Literal.String.Interpol
'' Text.Whitespace
'-e' Text
'' Text.Whitespace
"'1s,^.*\$\$,#!\${PREFIX}/bin/\${PYTHON_VERSION},'" Literal.String.Single
'' Text.Whitespace
'\\\n' Literal.String.Escape
'\t\t' Text.Whitespace
'\${' Literal.String.Interpol
'PATCH_WRKSRC' Name.Variable
'}' Literal.String.Interpol
'/Lib/smtpd.py' Text
'' Text.Whitespace
'>' Text
'' Text.Whitespace
'\${' Literal.String.Interpol
'WRKDIR' Name.Variable
'}' Literal.String.Interpol
'/smtpd2.5.py' Text
'\n\t' Text.Whitespace
'\${' Literal.String.Interpol
'REINPLACE_CMD' Name.Variable
'}' Literal.String.Interpol
'' Text.Whitespace
'-e' Text
'' Text.Whitespace
'\\\n' Literal.String.Escape
'\t\t' Text.Whitespace

"'s,/usr/doc/python-docs-,\${PREFIX}/share/doc/python,g'" Literal.String.Single • • Text.Whitespace Literal.String.Escape '\\\n' '\t\t' Text.Whitespace '\${' Literal.String.Interpol 'PATCH WRKSRC' Name.Variable '}' Literal.String.Interpol '/Lib/pydoc.py' Text nt'Text.Whitespace '\${' Literal.String.Interpol 'REINPLACE_CMD' Name.Variable '}' Literal.String.Interpol • • Text.Whitespace '-e' Text . . Text.Whitespace Literal.String.Escape '\\\n' '\t\t' Text.Whitespace $''s|^{(*prefixes = .*/)}]$ • • Text.Whitespace Literal.String.Escape '\\\n' '\t\t' Text.Whitespace '\${' Literal.String.Interpol 'PATCH WRKSRC' Name.Variable '}' Literal.String.Interpol '/Lib/site.py' Text '\n\t' Text.Whitespace '\${' Literal.String.Interpol 'REINPLACE_CMD' Name.Variable '}' Literal.String.Interpol • • Text.Whitespace '-e' Text • • Text.Whitespace Literal.String.Escape '\\\n' '\t\t' Text.Whitespace "'s|^\t\\(..ASDLGEN.*\\)\$\$|\t\${TRUE}|g"' Literal.String.Single • • Text.Whitespace '\\\n' Literal.String.Escape '\t\t' Text.Whitespace '\${' Literal.String.Interpol 'PATCH_WRKSRC' Name.Variable '}' Literal.String.Interpol '/Makefile.pre.in' Text Text.Whitespace $n \in t'$

'\${' Literal.String.Interpol

'REINPLACE_CMD' Name.Variable

- '}' Literal.String.Interpol
- '' Text.Whitespace
- '-e' Text
- '' Text.Whitespace
- '\\\n' Literal.String.Escape
- '\t\t' Text.Whitespace

"'s|*\\(..INSTALL_SCRIPT.*\\)python-config\$\$|#port \\1|'" Literal.String.Single

- '' Text.Whitespace
- '\\\n' Literal.String.Escape
- '\t\t' Text.Whitespace
- '\${' Literal.String.Interpol

'PATCH_WRKSRC' Name.Variable

'}' Literal.String.Interpol

'/Makefile.pre.in' Text

- $n \in Text.$ Whitespace
- '\${' Literal.String.Interpol
- 'SED' Name.Variable
- '}' Literal.String.Interpol
- '' Text.Whitespace
- '-e' Text
- '' Text.Whitespace

"'s|^#!.*|#!\${PREFIX}/bin/\${PYTHON_VERSION}|" Literal.String.Single

- '' Text.Whitespace
- '\\\n' Literal.String.Escape
- '\t\t' Text.Whitespace
- '\${' Literal.String.Interpol
- 'PATCH_WRKSRC' Name.Variable
- '}' Literal.String.Interpol
- '/Misc/python-config.in' Text
- '' Text.Whitespace
- '>' Text
- '' Text.Whitespace
- '\${' Literal.String.Interpol
- 'WRKDIR' Name.Variable
- '}' Literal.String.Interpol
- '/' Text
- '\${' Literal.String.Interpol
- 'PYTHON_VERSION' Name.Variable
- '}' Literal.String.Interpol
- '-config' Text
- '\n\t' Text.Whitespace
- '\${' Literal.String.Interpol
- 'SED' Name.Variable

- '}' Literal.String.Interpol
- '' Text.Whitespace
- '-e' Text
- '' Text.Whitespace

 $"'s|^{\#!.*|\#!}{PREFIX}/bin/{PYTHON_VERSION:S/thon/thon-shared/}|''' Literal.String.Single \\$

- '' Text.Whitespace
- '\\\n' Literal.String.Escape
- '\t\t' Text.Whitespace
- '\${' Literal.String.Interpol

'PATCH_WRKSRC' Name.Variable

- '}' Literal.String.Interpol
- '/Misc/python-config.in' Text
- '' Text.Whitespace
- '>' Text
- '' Text.Whitespace
- '\${' Literal.String.Interpol
- 'WRKDIR' Name.Variable
- '}' Literal.String.Interpol
- '/' Text
- '\${' Literal.String.Interpol

'PYTHON_VERSION' Name.Variable

- ':' Punctuation
- 'S' Name.Variable
- '/thon/thon-shared/' Punctuation
- '}' Literal.String.Interpol
- '-config' Text
- '\n\n' Text.Whitespace

'.if defined(WITH_FPECTL) && {ARCH} == i386\n' Comment.Preproc

- '\t' Text.Whitespace
- '\${' Literal.String.Interpol
- 'MKDIR' Name.Variable
- '}' Literal.String.Interpol
- '' Text.Whitespace
- '\${' Literal.String.Interpol
- 'WRKSRC' Name.Variable
- '}' Literal.String.Interpol
- '/Modules' Text
- '\n\t' Text.Whitespace
- '\${' Literal.String.Interpol
- 'ECHO' Name.Variable
- '}' Literal.String.Interpol
- '' Text.Whitespace
- "fpectl fpectlmodule.c" Literal.String.Double
- '' Text.Whitespace
- '>>' Text

'' Text.Whitespace
'\${' Literal.String.Interpol
WRKSRC' Name.Variable
'}' Literal.String.Interpol
'/Modules/Setup.dist' Text
'\n' Text.Whitespace
'.endif\n' Comment.Preproc
'\n' Text.Whitespace
'post-configure' Name.Function
':' Operator
'\n' Text.Whitespace
'\t' Text.Whitespace
'\${' Literal.String.Interpol
'TAR' Name.Variable
'}' Literal.String.Interpol
Text. Wintespace
'-C' Text '' Text Whitespace
Text: Wintespace
'\${' Literal.String.Interpol
'WRKSRC' Name.Variable
'}' Literal.String.Interpol
'' Text.Whitespace '-cf' Text
<pre>'' Text.Whitespace '-' Text</pre>
- Text '' Text.Whitespace
'.' Text
Text. Whitespace
" ' Punctuation
Text.Whitespace
'\${' Literal.String.Interpol
'TAR' Name.Variable
'}' Literal.String.Interpol
'' Text.Whitespace
'-C' Text
'' Text.Whitespace
'\${' Literal.String.Interpol
'SHARED_WRKSRC' Name.Variable
'}' Literal.String.Interpol
'' Text.Whitespace
'-xf' Text
'' Text.Whitespace
'-' Text
'\n\t' Text.Whitespace
•

'\${'	Literal.String.Interpol
'LN'	Name.Variable
'}'	Literal.String.Interpol
• •	Text.Whitespace
'-sf'	Text
• •	Text.Whitespace
'\${'	Literal.String.Interpol
'PYTH	ION_WRKSRC' Name.Variable
'}'	Literal.String.Interpol
'/Lib'	Text
• •	Text.Whitespace
'\${'	Literal.String.Interpol
'WRK	SRC' Name.Variable
'}'	Literal.String.Interpol
'/Lib'	Text
'\n\t'	Text.Whitespace
'\${'	Literal.String.Interpol
'SED'	Name.Variable
'}'	Literal.String.Interpol
• •	Text.Whitespace
'-e'	Text
• •	Text.Whitespace
"'s,^\\(LDLIBRARY=\\).*\$\$,\\1libpython\$\$(VERSION).so,'" Literal.String.Single
• •	Text.Whitespace
'\\\n'	Literal.String.Escape
'\t\t'	Text.Whitespace
'-e'	Text
''	Text.Whitespace
	BLDLIBRARY=\\).*\$\$,\\1-Llpython\$\$(VERSION),'" Literal.String.Single
• •	
	Text.Whitespace
'\\\n'	Text.Whitespace Literal.String.Escape
	Literal.String.Escape
'\t\t'	Literal.String.Escape Text.Whitespace
'\t\t' '-e'	Literal.String.Escape Text.Whitespace Text
'\t\t' '-e'	Literal.String.Escape Text.Whitespace Text Text.Whitespace
'\t\t' '-e' '''s,^\\(Literal.String.Escape Text.Whitespace Text Text.Whitespace CFLAGSFORSHARED=\\).*\$\$,\\1\$\$(CCSHARED),''' Literal.String.Single
'\t\t' '-e' '''s,^\\((Literal.String.Escape Text.Whitespace Text Text.Whitespace CFLAGSFORSHARED=\\).*\$\$,\\1\$\$(CCSHARED),''' Literal.String.Single Text.Whitespace
'\t\t' '-e' '''s,^\\(Literal.String.Escape Text.Whitespace Text Text.Whitespace CFLAGSFORSHARED=\\).*\$\$,\\1\$\$(CCSHARED),''' Literal.String.Single
'\t\t' '-e' '''s,^\\(''	Literal.String.Escape Text.Whitespace Text Text.Whitespace CFLAGSFORSHARED=\\).*\$\$,\\1\$\$(CCSHARED),''' Literal.String.Single Text.Whitespace Literal.String.Escape
'\t\t' '-e' '''s,^\\(Literal.String.Escape Text.Whitespace Text Text.Whitespace CFLAGSFORSHARED=\\).*\$\$,\\1\$\$(CCSHARED),''' Literal.String.Single Text.Whitespace Literal.String.Escape Text.Whitespace
'\t\t' '-e' '''s,^\\(('\\\n' '\\\n'	Literal.String.Escape Text.Whitespace Text.Whitespace CFLAGSFORSHARED=\\).*\$\$,\\1\$\$(CCSHARED),''' Literal.String.Single Text.Whitespace Literal.String.Escape Text.Whitespace Text.Whitespace
'\t\t' '-e' '''s,^\\(('\\\n' '\\\n' '\t\t' '-e'	Literal.String.Escape Text.Whitespace Text Text.Whitespace CFLAGSFORSHARED=\\).*\$\$,\\1\$(CCSHARED),''' Literal.String.Single Text.Whitespace Literal.String.Escape Text.Whitespace Text.Whitespace Text.Whitespace
'\t\t' '-e' '''s,^\\(('\\\n' '\\\n' '\t\t' '-e'	Literal.String.Escape Text.Whitespace Text Text.Whitespace CFLAGSFORSHARED=\\).*\$\$,\\1\$\$(CCSHARED),''' Literal.String.Single Text.Whitespace Literal.String.Escape Text.Whitespace Text.Whitespace Text.Whitespace Makefile Modules/config.c:.*\\)Makefile.pre,\\1,''' Literal.String.Single
'\t\t' '-e' '''s,^\\(('\\n' '\t\t' '-e' '''s,^\\((Literal.String.Escape Text.Whitespace Text Text.Whitespace CFLAGSFORSHARED=\\).*\$\$,\\1\$(CCSHARED),''' Literal.String.Single Text.Whitespace Literal.String.Escape Text.Whitespace Text.Whitespace Makefile Modules/config.c:.*\\)Makefile.pre,\\1,''' Literal.String.Single Text.Whitespace
'\t\t' '-e' '''s,^\\('\\\n' '\t\t' '-e' '''s,^\\(Literal.String.Escape Text.Whitespace Text Text.Whitespace CFLAGSFORSHARED=\\).*\$\$,\\1\$\$(CCSHARED),''' Literal.String.Single Text.Whitespace Literal.String.Escape Text.Whitespace Text.Whitespace Text.Whitespace Makefile Modules/config.c:.*\\)Makefile.pre,\\1,''' Literal.String.Single
'\t\t' '-e' '''s,^\\(('\\n' '\t\t' '-e' '''s,^\\((Literal.String.Escape Text.Whitespace Text Text.Whitespace CFLAGSFORSHARED=\\).*\$\$,\\1\$(CCSHARED),''' Literal.String.Single Text.Whitespace Literal.String.Escape Text.Whitespace Text.Whitespace Makefile Modules/config.c:.*\\)Makefile.pre,\\1,''' Literal.String.Single Text.Whitespace

- '-e' Text
- '' Text.Whitespace

$""s, \(.(BUILDPYTHON) \: .* \).(LIBRARY), \(1, "" Literal. String. Single$

- '' Text.Whitespace
- '\\\n' Literal.String.Escape
- '\t\t' Text.Whitespace
- '-e' Text
- '' Text.Whitespace

$""s, \(.(BUILDPYTHON):.* \).(LIBRARY), \(1, ""Literal.String.Single$

- '' Text.Whitespace
- '\\\n' Literal.String.Escape
- '\t\t' Text.Whitespace
- '\${' Literal.String.Interpol
- 'WRKSRC' Name.Variable
- '}' Literal.String.Interpol
- '/Makefile' Text
- '' Text.Whitespace
- '>' Text
- '' Text.Whitespace
- '\${' Literal.String.Interpol
- 'SHARED_WRKSRC' Name.Variable
- '}' Literal.String.Interpol
- '/Makefile' Text
- '\n\n' Text.Whitespace
- 'pre-build' Name.Function
- ':' Operator
- '\n' Text.Whitespace
- '\t' Text.Whitespace
- 'cd' Name.Builtin
- '' Text.Whitespace
- '\${' Literal.String.Interpol

'SHARED_WRKSRC' Name.Variable

- '}' Literal.String.Interpol
- ';' Punctuation
- '' Text.Whitespace
- '\\\n' Literal.String.Escape
- '\t' Text.Whitespace
- '\${' Literal.String.Interpol
- 'SETENV' Name.Variable
- '}' Literal.String.Interpol
- '' Text.Whitespace
- '\${' Literal.String.Interpol
- 'MAKE_ENV' Name.Variable

'}' ''	Literal.String.Interpol
	Text.Whitespace
'\${'	Literal.String.Interpol
'MAKE	
'}' ''	Literal.String.Interpol
	Text.Whitespace
'lib'	Text
'\${'	Literal.String.Interpol
	ON_VERSION' Name.Variable
'}'	Literal.String.Interpol
'.so'	Text
	Text.Whitespace
'python	
';'	Punctuation
• •	Text.Whitespace
'\\\n'	Literal.String.Escape
n . r	
'\t'	Text.Whitespace
'\${'	Literal.String.Interpol
'LN'	Name.Variable
'}'	Literal.String.Interpol
	Text.Whitespace
'-f'	Text
••	Text.Whitespace
'lib'	Text
'\${'	Literal.String.Interpol
	ON_VERSION' Name.Variable
'}'	Literal.String.Interpol
'.so'	Text
	Text.Whitespace
'lib'	Text
'\${'	Literal.String.Interpol
	ON_VERSION' Name.Variable
'}'	Literal.String.Interpol
'.so.1'	Text
;;	Punctuation
	Text.Whitespace
'\\\n'	Literal.String.Escape
N 41	
'\t'	Text.Whitespace
'\${' 'LN'	Literal.String.Interpol Name.Variable
'}' ''	Literal.String.Interpol
	Text.Whitespace
'-f'	Text Text Whitespace
	Text.Whitespace
'python	
	Text.Whitespace

'\${' Literal.String.Interpol

- 'PYTHON_VERSION' Name.Variable
- ':' Punctuation'S' Name.Variable'/thon/thon-shared/' Punctuation
- '}' Literal.String.Interpol
- '\n\n' Text.Whitespace

'pre-su-install' Name.Function

- ':' Operator
- '\n' Text.Whitespace

'.for platform in \${PLATFORMS}\n' Comment.Preproc

- '\t' Text.Whitespace
- '\${' Literal.String.Interpol
- 'MKDIR' Name.Variable
- '}' Literal.String.Interpol
- '' Text.Whitespace
- '\${' Literal.String.Interpol
- 'PYTHONPREFIX_LIBDIR' Name.Variable
- '}' Literal.String.Interpol
- '/' Text
- '\${' Literal.String.Interpol
- 'platform' Name.Variable
- '}' Literal.String.Interpol
- '\n' Text.Whitespace
- '.for file in IN.py regen\n' Comment.Preproc

'\t' Text.Whitespace '\${' Literal.String.Interpol 'INSTALL_DATA' Name.Variable '}' Literal.String.Interpol • • Text.Whitespace '\${' Literal.String.Interpol 'WRKSRC' Name.Variable '}' Literal.String.Interpol '/Lib/' Text '\${' Literal.String.Interpol 'platform' Name.Variable '}' Literal.String.Interpol '/' Text '\${' Literal.String.Interpol 'file' Name.Variable '}' Literal.String.Interpol • • Text.Whitespace Literal.String.Escape $' \leq n'$

'\t\t' Text.Whitespace	
'\${' Literal.String.Interpol	
'PYTHONPREFIX_LIBDIR' Name.Variable	
'}' Literal.String.Interpol	
'/' Text	
'\${' Literal.String.Interpol	
'platform' Name.Variable	
'}' Literal.String.Interpol	
'/' Text	
'\n' Text.Whitespace	
'.endfor\n' Comment.Preproc	
'.endfor\n' Comment.Preproc	
'\n' Text.Whitespace	
'pre-install' Name.Function	
':' Operator	
'\n' Text.Whitespace	
'\t' Text.Whitespace	
'\${' Literal.String.Interpol	
'CAT' Name.Variable	
'}' Literal.String.Interpol	
Text.Whitespace	
'\${' Literal.String.Interpol	
'PLIST_TEMPLATE' Name.Variable	
'}' Literal.String.Interpol	
'' Text.Whitespace	
'' Punctuation	
'' Text.Whitespace	
'\${' Literal.String.Interpol	
'AWK' Name.Variable	
'}' Literal.String.Interpol	
'' Text.Whitespace N(
\'{ print \$\$0; } \\\n\t/LIBDIR.*\\.py\$\$/ && !/\\/bad/ { print \$\$0 "o"; print \$\$0 "c"; }\" Literal.String.Single	
'\t' Text.Whitespace	
'>' Text '' Text Whitespace	
Text. Whitespace	
'\${' Literal.String.Interpol'PLIST' Name.Variable	
'}' Literal.String.Interpol	
/\n\n' Text.Whitespace	
in roze wincopuce	

"\t@# if openssl 0.9.8 is detected, _sha{256,512} module won't be installed\n" Comment

N / I	
'\t'	Text.Whitespace
'('	Operator
'[' , ,	Operator
	Text.Whitespace
'-f'	Text
••	Text.Whitespace
'\${'	Literal.String.Interpol
'WRKS	
'}'	Literal.String.Interpol
	ut_own_sha' Text
••	Text.Whitespace
']'	Operator
• •	Text.Whitespace
'&&'	Operator
• •	Text.Whitespace
'\\\n'	Literal.String.Escape
'\t\t'	Text.Whitespace
'\${'	Literal.String.Interpol
'GREP'	Name.Variable
'}'	Literal.String.Interpol
• •	Text.Whitespace
'-v'	Text
• •	Text.Whitespace
"'lib-dy	nload/_sha'" Literal.String.Single
• •	Text.Whitespace
'\${'	Literal.String.Interpol
'PLIST'	Name.Variable
'}'	Literal.String.Interpol
• •	Text.Whitespace
'>'	Text
• •	Text.Whitespace
'\${'	Literal.String.Interpol
'PLIST'	Name.Variable
'}'	Literal.String.Interpol
'.tmp'	Text
	Text.Whitespace
'&&'	Operator
• •	Text.Whitespace
'\\\n'	Literal.String.Escape
'\t\t'	Text.Whitespace
'\${'	Literal.String.Interpol
'CAT'	Name.Variable
'}'	Literal.String.Interpol
	Text.Whitespace
'\${'	Literal.String.Interpol
'PLIST'	
1 LIDI	

'}'	Literal.String.Interpol
'.tmp'	Text
• •	Text.Whitespace
'>'	Text
• •	Text.Whitespace
'\${'	Literal.String.Interpol
'PLIST'	Name.Variable
'}'	Literal.String.Interpol
')'	Operator
• •	Text.Whitespace
' '	Operator
• •	Text.Whitespace
'\${'	Literal.String.Interpol
'TRUE'	Name.Variable
'}'	Literal.String.Interpol
'\n\n'	Text.Whitespace
'post-install' Name.Function	
':'	Operator
'\n'	Text.Whitespace

'\t@# install config providers\n' Comment

'\t' Text.Whitespace '\${' Literal.String.Interpol 'INSTALL_SCRIPT' Name.Variable '}' Literal.String.Interpol • • Text.Whitespace '\${' Literal.String.Interpol 'WRKDIR' Name.Variable '}' Literal.String.Interpol '/' Text '\${' Literal.String.Interpol 'PYTHON_VERSION' Name.Variable '}' Literal.String.Interpol '-config' Text • • Text.Whitespace '\${' Literal.String.Interpol 'PREFIX' Name.Variable '}' Literal.String.Interpol '/bin' Text $\langle n$ Text.Whitespace '\${' Literal.String.Interpol 'INSTALL_SCRIPT' Name.Variable '}' Literal.String.Interpol • • Text.Whitespace '\${' Literal.String.Interpol 'WRKDIR' Name.Variable

'}' Literal.String.Interpol
'/' Text
'\${' Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
':' Punctuation
'S' Name.Variable
'/thon/thon-shared/' Punctuation
'}' Literal.String.Interpol
'-config' Text
'' Text.Whitespace
'\${' Literal.String.Interpol
'PREFIX' Name.Variable
'}' Literal.String.Interpol
'/bin' Text
'\n\n' Text.Whitespace

'\t@# shared version of executable and library\n' Comment

'\t'	Text.Whitespace
'\${'	Literal.String.Interpol
'INSTA	LL_PROGRAM' Name.Variable
'}'	Literal.String.Interpol
• •	Text.Whitespace
'\${'	Literal.String.Interpol
'SHAR	ED_WRKSRC' Name.Variable
'}'	Literal.String.Interpol
'/lib'	Text
'\${'	Literal.String.Interpol
'PYTH	ON_VERSION' Name.Variable
'}'	Literal.String.Interpol
'.so.1'	Text
• •	Text.Whitespace
'\\\n'	Literal.String.Escape
'\t\t'	Text.Whitespace
'\${'	Literal.String.Interpol
'PREFI	X' Name.Variable
'}'	Literal.String.Interpol
'/lib'	Text
nt'	Text.Whitespace
'cd'	Name.Builtin
• •	Text.Whitespace
'\${'	Literal.String.Interpol
'PREFI	X' Name.Variable
'}'	Literal.String.Interpol
'/lib'	Text
';'	Punctuation
• •	Text.Whitespace

'\${'	Literal.String.Interpol
'LN'	Name.Variable
'}'	Literal.String.Interpol
• •	Text.Whitespace
'-sf'	Text
• •	Text.Whitespace
'lib'	Text
'\${'	Literal.String.Interpol
-	ON_VERSION' Name.Variable
'}'	Literal.String.Interpol
'.so.1'	Text
	Text.Whitespace
'\\\n'	Literal.String.Escape
(()	Diteransumgillseape
'\t\t'	Text.Whitespace
'lib'	Text
'\${'	Literal.String.Interpol
	ON_VERSION' Name.Variable
'}'	Literal.String.Interpol
} '.so'	Text
'\n\t' '\$ ('	Text.Whitespace
'\${' 'L NI'	Literal.String.Interpol
'LN'	Name.Variable
'}'	Literal.String.Interpol
	Text.Whitespace
'-sf'	Text
••	Text.Whitespace
'\${'	Literal.String.Interpol
'PREFI	
	Literal.String.Interpol
'/lib/lib'	
'\${'	Literal.String.Interpol
	ON_VERSION' Name.Variable
'}'	Literal.String.Interpol
'.so'	Text
• •	Text.Whitespace
'\${'	Literal.String.Interpol
'PYTH	ONPREFIX_LIBDIR' Name.Variable
'}'	Literal.String.Interpol
'/config	' Text
$\lambda n t'$	Text.Whitespace
'\${'	Literal.String.Interpol
'INSTA	LL_PROGRAM' Name.Variable
'}'	Literal.String.Interpol
	Text.Whitespace
'\\\n'	Literal.String.Escape
'\t\t'	Text.Whitespace
. •	~

'\${' Literal.String.Interpol

'SHARED_WRKSRC' Name.Variable

- '}' Literal.String.Interpol
- '/' Text
- '\${' Literal.String.Interpol
- 'PYTHON_VERSION' Name.Variable
- ':' Punctuation
- 'S' Name.Variable
- '/thon/thon-shared/' Punctuation
- '}' Literal.String.Interpol
- '' Text.Whitespace
- '\\\n' Literal.String.Escape

'\t\t' Text.Whitespace
'\${' Literal.String.Interpol
'PREFIX' Name.Variable
'}' Literal.String.Interpol
'/bin' Text

'\n\n' Text.Whitespace

'\t@# additional files installing by ports\n' Comment

'\t' Text.Whitespace '\${' Literal.String.Interpol 'INSTALL_SCRIPT' Name.Variable '}' Literal.String.Interpol • • Text.Whitespace '\${' Literal.String.Interpol 'WRKDIR' Name.Variable '}' Literal.String.Interpol '/pydoc2.5' Text • • Text.Whitespace '\${' Literal.String.Interpol 'WRKDIR' Name.Variable '}' Literal.String.Interpol '/idle2.5' Text • • Text.Whitespace Literal.String.Escape '\\\n' '\t\t' Text.Whitespace '\${' Literal.String.Interpol 'WRKDIR' Name.Variable '}' Literal.String.Interpol '/smtpd2.5.py' Text • • Text.Whitespace '\${' Literal.String.Interpol 'PREFIX' Name.Variable '}' Literal.String.Interpol

'/bin' Text Text.Whitespace '\n\t' '@' Text '\${' Literal.String.Interpol 'MKDIR' Name.Variable '}' Literal.String.Interpol • • Text.Whitespace '\${' Literal.String.Interpol 'MANPREFIX' Name.Variable '}' Literal.String.Interpol '/man/man1' Text '\n\t' Text.Whitespace '\${' Literal.String.Interpol 'INSTALL_MAN' Name.Variable '}' Literal.String.Interpol • • Text.Whitespace '\${' Literal.String.Interpol 'PYTHON_WRKSRC' Name.Variable '}' Literal.String.Interpol '/Misc/python.man' Text • • Text.Whitespace $' \leq n'$ Literal.String.Escape '\t\t' Text.Whitespace '\${' Literal.String.Interpol 'MANPREFIX' Name.Variable '}' Literal.String.Interpol '/man/man1/' Text '\${' Literal.String.Interpol 'PYTHON_VERSION' Name.Variable '}' Literal.String.Interpol '.1' Text $\langle n \rangle$ Text.Whitespace

$".if ${PYTHON_VERSION} == {PYTHON_DEFAULT_VERSION} \ "comment.Preproc"$

'\t'	Text.Whitespace
'for'	Keyword
• •	Text.Whitespace
'f'	Text
• •	Text.Whitespace
'in'	Keyword
• •	Text.Whitespace
'\${'	Literal.String.Interpol
'BIN_SCRIPTS' Name.Variable	
'}'	Literal.String.Interpol
';'	Punctuation

'' Text.Whitespace

'do'	Keyword
• •	Text.Whitespace
'\\\n'	Literal.String.Escape
'\t\t'	Text.Whitespace
'TARG	ET' Name.Variable
'='	Operator
N	Literal.String.Backtick
'\${'	Literal.String.Interpol
'ECHO	_CMD' Name.Variable
'}'	Literal.String.Interpol
• •	Text.Whitespace
'\$\$'	Name.Variable
'f'	Text
• •	Text.Whitespace
' '	Punctuation
• •	Text.Whitespace
'\${'	Literal.String.Interpol
'SED'	Name.Variable
'}'	Literal.String.Interpol
• •	Text.Whitespace
'-E'	Text
• •	Text.Whitespace
'\${'	Literal.String.Interpol
'BINLI	NKS_SUB' Name.Variable
'}'	Literal.String.Interpol
N	Literal.String.Backtick
';'	Punctuation
	Text.Whitespace
'\\\n'	Literal.String.Escape
'\t\t'	Text.Whitespace
'cd'	Name.Builtin
• •	Text.Whitespace
'\${'	Literal.String.Interpol
'PREFI	X' Name.Variable
'}'	Literal.String.Interpol
'/bin'	Text
• •	Text.Whitespace
'&&'	Operator
• •	Text.Whitespace
'\${'	Literal.String.Interpol
'LN'	Name.Variable
'}'	Literal.String.Interpol
• •	Text.Whitespace
'-f'	Text
	Text.Whitespace
'\$\$'	Name.Variable

'TARGET' Text		
• •	Text.Whitespace	
'\$\$'	Name.Variable	
'f'	Text	
','	Punctuation	
	Text.Whitespace	
'\\\n'	Literal.String.Escape	
'\t'	Text.Whitespace	
'done'	Keyword	
'\n'	Text.Whitespace	
'.endif\ı	n' Comment.Preproc	
'\n'	Text.Whitespace	
'.if !def	ined(NOPORTDOCS)\n' Comment.Preproc	
'\t'	Text.Whitespace	
'@'	Text	
'\${'	Literal.String.Interpol	
'MKDI	R' Name.Variable	
'}'	Literal.String.Interpol	
• •	Text.Whitespace	
'\${'	Literal.String.Interpol	
'TOOL	SDIR' Name.Variable	
'}'	Literal.String.Interpol	
'\n\t'	Text.Whitespace	
'@cd'	Text	
• •	Text.Whitespace	
'\${'	Literal.String.Interpol	
'PYTH	ON_WRKSRC' Name.Variable	
'}'	Literal.String.Interpol	
';'	Punctuation	
• •	Text.Whitespace	
'\${'	Literal.String.Interpol	
'TAR'	Name.Variable	
'}'	Literal.String.Interpol	
• •	Text.Whitespace	
'-cf'	Text	
• •	Text.Whitespace	
'_'	Text	
• •	Text.Whitespace	
'Tools'	Text	
• •	Text.Whitespace	
' '	Punctuation	
	Text.Whitespace	
'\\\n'	Literal.String.Escape	

'\t\t'	Text.Whitespace
'('	Operator
'cd'	Name.Builtin
	Text.Whitespace
	1
'\${' 'TOOL	Literal.String.Interpol SDIR' Name.Variable
'TOOL	
'}'	Literal.String.Interpol
';'	Punctuation
10 CL	Text.Whitespace
'\${'	Literal.String.Interpol
'TAR'	Name.Variable
'}'	Literal.String.Interpol
	Text.Whitespace
'-xf'	Text
• •	Text.Whitespace
'_'	Text
')'	Operator
'\n\t'	Text.Whitespace
'@'	Text
'\${'	Literal.String.Interpol
'MKDI	
'}'	Literal.String.Interpol
• •	Text.Whitespace
'\${'	Literal.String.Interpol
'DEMC	
'}'	Literal.String.Interpol
'\n\t'	Text.Whitespace
'@cd'	Text
• •	Text.Whitespace
'\${'	Literal.String.Interpol
	ON_WRKSRC' Name.Variable
'}'	Literal.String.Interpol
'/Demo	Text
';'	Punctuation
• •	Text.Whitespace
'\${'	Literal.String.Interpol
'TAR'	Name.Variable
'}'	Literal.String.Interpol
• •	Text.Whitespace
'-cf'	Text
• •	Text.Whitespace
'_'	Text
• •	Text.Whitespace
'*'	Text
• •	Text.Whitespace
' '	Punctuation
• •	Text.Whitespace

'\\\n'	Literal.String.Escape	
'\t\t'	Text.Whitespace	
'('	Operator	
'cd'	Name.Builtin	
• •	Text.Whitespace	
'\${'	Literal.String.Interpol	
'DEMC	DDIR' Name.Variable	
'}'	Literal.String.Interpol	
';'	Punctuation	
• •	Text.Whitespace	
'\${'	Literal.String.Interpol	
'TAR'	Name.Variable	
'}'	Literal.String.Interpol	
• •	Text.Whitespace	
'-xf'	Text	
• •	Text.Whitespace	
'_'	Text	
')'	Operator	
'\n'	Text.Whitespace	
'.endif\n' Comment.Preproc		
'\n\t'	Text.Whitespace	
'@'	Text	
'\${'	Literal.String.Interpol	
'CAT'	Name.Variable	
'}'	Literal.String.Interpol	
• •	Text.Whitespace	
'\${'	Literal.String.Interpol	
'PKGMESSAGE' Name.Variable		
'}'	Literal.String.Interpol	
'\n\n'	Text.Whitespace	

'.include <bsd.port.post.mk>\n' Comment.Preproc

1.102 multidict 6.0.4

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1.103 aiohttp 3.8.4

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1.104 libyaml 0.1.7

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1.105 rich 11.0.0

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1.116 dns-python 2.3.0

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1.118 python-pip 23.1.2

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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.

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 Ye	ar	Owne	r GPL-
:		compa			
0.9.0 thru	1.2	1991-	1995	CWI	yes
1.3 thru 1.	5.2 1.2	1995	5-1999	O CNF	RI yes
1.6	1.5.2	2000	CN	RI	no
2.0	1.6	2000	BeC)pen.co	om no
1.6.1	1.6	2001	CN	RI	yes (2)

2.1	2.0+1.6	1 2001	PS	SF no
2.0.1	2.0+1.6	5.1 2001	Р	SF yes
2.1.1	2.1 + 2.0	0.1 2001	Р	SF yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	F yes
2.1.3	2.1.2	2002	PSF	F yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSI	F yes
2.2.3	2.2.2	2003	PSF	7 yes
2.3	2.2.2	2002-2	003 P	SF yes
2.3.1	2.3	2002-2	003 P	SF yes
2.3.2	2.3.1	2002-2	2003 H	PSF yes
2.3.3	2.3.2	2002-2	2003 H	PSF yes
2.3.4	2.3.3	2004	PSF	7 yes
2.3.5	2.3.4	2005	PSF	7 yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	7 yes
2.4.3	2.4.2	2006	PSF	7 yes
2.4.4	2.4.3	2006	PSF	7 yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	F yes
2.5.3	2.5.2	2008	PSF	F yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSI	F yes
2.6.3	2.6.2	2009	PSF	F yes
2.6.4	2.6.3	2009	PSF	F yes
2.6.5	2.6.4	2010	PSF	F 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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1.3 thru 1.5.2 1.2 1995-1999 CNRI yes							
1.6	1.5.2	2000	CNRI	no			
2.0	1.6	2000	BeOpen.	com n	0		
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	5		
2.1.1	2.1+2.0	0.1 2001	PSF	yes	5		
2.1.2	2.1.1	2002	PSF	yes			
2.1.3	2.1.2	2002	PSF	yes			
2.2 and ab	ove 2.1	.1 200	1-now P	PSF	yes		

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1.119 ncurses 6.4

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1.120 xz 5.2.6 1.120.1 Available under license :

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1.121 regex 2023.6.3

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1.122 colorama 0.4.6

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1.123 zstd 0.21.0

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1.124 python-pip 22.0.4

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

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

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

All Python releases are Open Source (see http://www.opensource.org for

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Release	Deriv	red Ye	ear Ov	vner GPL-
	from		со	mpatible? (1)
0.9.0 thru			-1995 CV	•
1.3 thru 1			95-1999 C	•
1.6	1.5.2	2000		no
2.0	1.6	2000	•	n.com no
1.6.1	1.6	2001	CNRI	•
2.1		.1 200		
2.0.1		5.1 200		
2.1.1	2.1+2.0			•
2.2	2.1.1		PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2	2003 PSF	yes
2.3.1	2.3	2002-2	2003 PSF	yes
2.3.2	2.3.1	2002-	-2003 PSI	F yes
2.3.3	2.3.2	2002-	-2003 PSI	F yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
2.7	2.6	2010	PSF	yes
				-

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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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from			con	npatible? (1)
0.9.0 thru	1.2	1991-1	995 CW	/I yes
1.3 thru 1	.5.2 1.2	1995-	-1999 Cl	NRI yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen	.com no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.	1 2001	PSF	no
2.0.1	2.0+1.6	.1 2001	PSF	yes

2.1.1	2.1+2.0	0.1 2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-20	03 PSF	yes
2.3.1	2.3	2002-20	03 PSF	yes
2.3.2	2.3.1	2002-20	003 PSF	yes
2.3.3	2.3.2	2002-20	003 PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1	2010	PSF	yes
3.2	3.1	2010	PSF	yes

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from			CO	compatible? (1)			
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1.3 thru 1.5.2 1.2 1995-1999 CNRI yes							
1.6	1.5.2	2000	CNRI	no			
2.0	1.6	2000	BeOper	n.com n	10		
1.6.1	1.6	2001	CNRI	yes	(2)		
2.1	2.0+1.6	.1 2001	PSF	no			
2.0.1	2.0+1.6	5.1 2001	PSF	ye	s		
2.1.1	2.1+2.0	0.1 2001	PSF	ye	s		
2.1.2	2.1.1	2002	PSF	yes			
2.1.3	2.1.2	2002	PSF	yes			
2.2 and above 2.1.1 2001-now PSF yes							

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1.126 ruamel-yaml 0.17.16

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1.127 zlib 1.2.5

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1.131 python-requests 2.27.1

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1.136 wsproto 1.2.0

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1.137 sniffio 1.3.0

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1.138 pyyaml 6.0

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1.139 zlib 1.2.8

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1.140 xz 5.2.5

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1.142 zstd 0.18.0

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1.143 python-setuptools 68.0.0

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