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Text Part Number: 78EE117C99-2104255458

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1.10 python 3.9.12

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

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

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

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0.9.0 thru 1.2		1991-1995	CWI	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	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now		
PSF	yes			

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1.11 pytz 2022.2.1

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1.12 packaging 20.4

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1.13 xlsxwriter 3.0.3

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1.14 django-mssql-backend 2.8.1

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1.15 isodate 0.6.1

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Metadata-Version: 2.1

Name: isodate

Version: 0.6.1

Summary: An ISO 8601 date/time/duration parser and formatter

Home-page: <https://github.com/gweis/isodate/>

Author: Gerhard Weis

Author-email: gerhard.weis@proclos.com

License: BSD

Platform: UNKNOWN

Classifier: Development Status :: 4 - Beta

Classifier: Intended Audience :: Developers

Classifier: License :: OSI Approved :: BSD License

Classifier: Operating System :: OS Independent

Classifier: Programming Language :: Python

Classifier: Programming Language :: Python :: 2

Classifier: Programming Language :: Python :: 2.7

Classifier: Programming Language :: Python :: 3

Classifier: Programming Language :: Python :: 3.6

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 :: Implementation

:: PyPy

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Classifier: Topic :: Software Development :: Libraries :: Python Modules

ISO 8601 date/time parser

=====

.. image:: <https://travis-ci.org/gweis/isodate.svg?branch=master>

:target: <https://travis-ci.org/gweis/isodate>

:alt: Travis-CI

.. image:: <https://coveralls.io/repos/gweis/isodate/badge.svg?branch=master>

:target: <https://coveralls.io/r/gweis/isodate?branch=master>

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```

This module implements ISO 8601 date, time and duration parsing. The implementation follows ISO8601:2004 standard, and implements only date/time representations mentioned in the standard. If something is not mentioned there, then it is treated as non existent, and not as an allowed option.

For instance, ISO8601:2004 never mentions 2 digit years. So, it is not intended by this module to support 2 digit years. (while it may still be valid as ISO date, because it is not explicitly forbidden.) Another example is, when no time zone information is given for a time, then it should be interpreted as local time, and not UTC.

As this module maps ISO 8601 dates/times to standard Python data types, like `*date*`, `*time*`, `*datetime*` and `*timedelta*`, it is not possible to convert all possible ISO 8601 dates/times. For instance, dates before 0001-01-01 are not allowed by the Python `*date*` and `*datetime*` classes. Additionally fractional seconds are limited to microseconds. That means if the parser finds for instance nanoseconds it will round it to microseconds.

Documentation

Currently there are four parsing methods available.

- * `parse_time`:
parses an ISO 8601 time string into a `*time*` object
- * `parse_date`:
parses an ISO 8601
date string into a `*date*` object
- * `parse_datetime`:
parses an ISO 8601 date-time string into a `*datetime*` object
- * `parse_duration`:
parses an ISO 8601 duration string into a `*timedelta*` or `*Duration*`
object.
- * `parse_tzinfo`:
parses the time zone info part of an ISO 8601 string into a
`*tzinfo*` object.

As ISO 8601 allows to define durations in years and months, and `*timedelta*`

does not handle years and months, this module provides a `*Duration*` class, which can be used almost like a `*timedelta*` object (with some limitations). However, a `*Duration*` object can be converted into a `*timedelta*` object.

There are also ISO formatting methods for all supported data types. Each `*xxx_isoformat*` method accepts a format parameter. The default format is always the ISO 8601 expanded format. This is the same format used by `*datetime.isoformat*`:

`* time_isoformat:`

Intended to create ISO time strings with default format
`*hh:mm:ssZ*`.

`* date_isoformat:`

Intended to create ISO date strings with default format
`*yyyy-mm-dd*`.

`* datetime_isoformat:`

Intended to create ISO date-time strings with default format
`*yyyy-mm-ddThh:mm:ssZ*`.

`* duration_isoformat:`

Intended to create ISO duration strings with default format
`*PnnYnnMnnDTnnHnnMnnS*`.

`* tz_isoformat:`

Intended to create ISO time zone strings with default format
`*hh:mm*`.

`* strftime:`

A re-implementation mostly compatible with Python's `*strftime*`, but supports only those format strings, which can also be used for dates prior 1900. This method also understands how to format `*datetime*` and `*Duration*` instances.

Installation:

This module can easily be installed with Python standard installation methods.

Either use `*python setup.py install*` or in case you have `*setuptools*` or `*distribute*` available, you can also use `*easy_install*`.

Limitations:

`* The parser accepts several date/time representation which should be invalid according to ISO 8601 standard.`

1. for date and time together, this parser accepts a mixture of basic and extended format. e.g. the date could be in basic format, while the time is accepted in extended format. It also allows short dates and times in date-time strings.

2. For incomplete dates, the first day is chosen. e.g. 19th century results in a date of 1901-01-01.

3. negative *Duration* and *timedelta* value are not fully supported yet.

Further information:

The doc strings and unit tests should provide rather detailed information about the methods and their limitations.

The source release provides a *setup.py* script, which can be used to run the unit tests included.

Source code is available at `<http://github.com/gweis/isodate>`.

CHANGES

=====

0.6.1 (2021-12-13)

- support python 3.10 ()
- last version to support py 2.7

0.6.0 (2017-10-13)

- support incomplete month date (Fabien Loffredo)
- rely on duck typing when doing duration maths
- support ':' as separator in fractional time zones (usrenmae)

0.5.4 (2015-08-06)

- Fix parsing of Periods (Fabien Bochu)
- Make Duration objects hashable (Geoffrey Fairchild)
- Add multiplication to duration (Reinoud Elhorst)

0.5.1 (2014-11-07)

- fixed pickling of Duration objects
- raise ISO8601Error when there is no 'T' separator in datetime strings (Adrian Coveney)

0.5.0 (2014-02-23)

- ISO8601Error are subclasses of ValueError now (Michael Hrivnak)
- improve compatibility across various python variants and versions
- raise exceptions when using fractional years and months in date maths with durations
- renamed method todatetime on Duration objects to totimedelta

0.4.9 (2012-10-30)

- support pickling FixedOffset instances
- make sure parsed fractional seconds are in microseconds
- add leading zeros when formatting microseconds (Jarom Loveridge)

0.4.8 (2012-05-04)

- fixed incompatibility of unittests with python 2.5 and 2.6 (runs fine on 2.7 and 3.2)

0.4.7 (2012-01-26)

- fixed tzinfo formatting (never pass None into tzinfo.utcoffset())

0.4.6 (2012-01-06)

- added Python 3 compatibility via 2to3

0.4.5 (2012-01-06)

- made setuptools dependency optional

0.4.4 (2011-04-16)

- Fixed formatting of microseconds for datetime objects

0.4.3 (2010-10-29)

- Fixed problem with %P formatting and fractions (supplied by David Brooks)

0.4.2 (2010-10-28)

- Implemented unary - for Duration (supplied by David Brooks)
- Output fractional seconds with '%P' format. (partly supplied by David Brooks)

0.4.1 (2010-10-13)

- fixed bug in comparison between timedelta and Duration.
-
- fixed precision problem with microseconds (reported by Tommi Virtanen)

0.4.0 (2009-02-09)

- added method to parse ISO 8601 time zone strings
- added methods to create ISO 8601 conforming strings

0.3.0 (2009-1-05)

- Initial release

TODOs

=====

This to do list contains some thoughts and ideas about missing features, and parts to think about, whether to implement them or not. This list is probably not complete.

Missing features:

- * time formatting does not allow to create fractional representations.
- * parser for ISO intervals.
- * currently microseconds are always padded to a length of 6 characters.
trailing 0s should be optional

Documentation:

- * parse_datetime:

- complete documentation to show what this function allows, but ISO forbids. and vice versa.
- support other separators between date and time than 'T'

* parse_date:

- yeardigits should be always greater

than 4

- dates before 0001-01-01 are not supported

* parse_duration:

- alternative formats are not fully supported due to parse_date restrictions
- standard duration format is fully supported but not very restrictive.

* Duration:

- support fractional years and month in calculations
- implement w3c order relation? (`<http://www.w3.org/TR/xmlschema-2/#duration-order>` _)
- refactor to have duration mathematics only at one place.
- localize `__str__` method (does `timedelta` do this?)
- when is a Duration negative?
- normalize Durations. months [00-12] and years]-inf,+inf[

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```

1.16 cached-property 1.5.2

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1.17 defusedxml 0.7.1

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1.18 pandas 1.5.0

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Portions of code from MODP_ASCII - Ascii transformations (upper/lower, etc)

<https://github.com/client9/stringencoders>

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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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0.9.0 thru 1.2		1991-1995	CWI	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	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	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	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes

2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
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"Source code" for a work means the preferred form of the work for

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form

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

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Version 3, 29 June 2007

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

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1. Seti UI - A subtle dark colored UI theme for Atom. (<https://github.com/jesseweed/seti-ui>)

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WinJS

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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:

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

It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php_curl, or with

an Apache+mod_ssl webserver for SSL client authentication.

Just configure this file as the SSLCertificateFile.#

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

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

A. HISTORY OF THE SOFTWARE

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

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

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

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

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	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	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no

2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	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	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
2.7	2.6	2010	PSF	yes

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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	
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	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
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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
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History

Before (and including) argparse 1.1, the argparse package was licensed under Apache License v2.0.

After argparse 1.1, all project files from the argparse project were deleted due to license compatibility issues between Apache License 2.0 and GNU GPL v2.

The project repository then had a clean start with some files taken from Python 2.7.1, so definitely all files are under Python License now.

A. HISTORY OF THE SOFTWARE

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

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

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

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

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

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1.24 numpy 1.23.3

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1.26 zeep 4.0.0

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Both were inspired by Twisted

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1.28 zlib 1.2.11

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1.29 asgiref 3.8.1

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1.30 pyjwt 2.8.0

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```

```
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/type/test_opentype.py
```

```
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/setup.py
```

```
*
```

```
/opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/type/test_univ.py
```

```
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/type/univ.py
```

```
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/type/char.py
```

```
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/codec/native/decoder.py
```

```
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/type/opentype.py
```

```
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/codec/ber/eoo.py
```

```
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/compat/test_integer.py
```

```
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/debug.py
```

```
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/codec/native/test_encoder.py
```

```
*
```

```
/opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/type/namedval.py
```

```
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-
```



```

0.6.0/pyasn1/codec/der/decoder.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/error.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/__main__.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-
0.6.0/tests/codec/cer/test_decoder.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/type/useful.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-
0.6.0/tests/codec/der/test_encoder.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/type/tag.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-
0.6.0/tests/codec/cer/__main__.py
*
/opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-
0.6.0/tests/codec/cer/test_encoder.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-
0.6.0/tests/codec/native/test_decoder.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/test_debug.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-
0.6.0/pyasn1/codec/cer/decoder.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-
0.6.0/pyasn1/codec/ber/encoder.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-
0.6.0/tests/codec/test_streaming.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-
0.6.0/pyasn1/codec/streaming.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/base.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-
0.6.0/pyasn1/compat/integer.py
*
/opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-
0.6.0/tests/codec/ber/test_decoder.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-
0.6.0/tests/type/test_constraint.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-
0.6.0/tests/codec/der/__main__.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-
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* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-
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* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-
0.6.0/pyasn1/codec/native/encoder.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-
0.6.0/tests/type/test_namedtype.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-
0.6.0/tests/compat/test_octets.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/type/test_char.py
*

```

```
/opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/compat/octets.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/type/namedtype.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/type/test_useful.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/codec/ber/test_encoder.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/type/test_namedval.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/type/test_tag.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/type/base.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/type/__main__.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/codec/native/__main__.py
*
/opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/type/error.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/codec/cer/encoder.py
No license file was found, but licenses were detected in source scan.
```

Metadata-Version: 2.1

Name: pyasn1

Version: 0.6.0

Summary: Pure-Python implementation of ASN.1 types and DER/BER/CER codecs (X.208)

Home-page: <https://github.com/pyasn1/pyasn1>

Author: Ilya Etingof

Author-email: etingof@gmail.com

Maintainer: pyasn1 maintenance organization

Maintainer-email: Christian Heimes <christian@python.org>

License: BSD-2-Clause

Project-URL: Documentation, <https://pyasn1.readthedocs.io>

Project-URL: Source, <https://github.com/pyasn1/pyasn1>

Project-URL: Issues, <https://github.com/pyasn1/pyasn1/issues>

Project-URL: Changelog, <https://pyasn1.readthedocs.io/en/latest/changelog.html>

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 :: 3

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: Programming Language :: Python :: 3.12
Classifier: Programming Language :: Python :: Implementation :: CPython
Classifier: Programming Language :: Python :: Implementation :: PyPy
Classifier: Topic :: Communications
Classifier: Topic :: Software Development :: Libraries :: Python Modules
Requires-Python: >=3.8
Description-Content-Type: text/markdown
License-File: LICENSE.rst

ASN.1 library for Python

[![PyPI](https://img.shields.io/pypi/v/pyasn1.svg?maxAge=2592000)](https://pypi.org/project/pyasn1)
[![Python Versions](https://img.shields.io/pypi/pyversions/pyasn1.svg)](https://pypi.org/project/pyasn1/)
[![Build
status](https://github.com/pyasn1/pyasn1/actions/workflows/main.yml/badge.svg)](https://github.com/pyasn1/pyasn1/actions/workflows/main.yml)
[![Coverage
Status](https://img.shields.io/codecov/c/github/pyasn1/pyasn1.svg)](https://codecov.io/github/pyasn1/pyasn1)
[![GitHub license](https://img.shields.io/badge/license-BSD-blue.svg)](https://raw.githubusercontent.com/pyasn1/pyasn1/master/LICENSE.txt)

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****NOTE:**** The package is now maintained by **Christian Heimes** and **Simon Pichugin** in project <https://github.com/pyasn1/pyasn1>.

Features

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- * Generic implementation of ASN.1 types (X.208)
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 - * Can operate on streams of serialized data
 - * Dumps/loads ASN.1 structures from Python types
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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.

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```
```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)
00000: 30 07 02 01 7B 80 02 01 41
```

```

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

```

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

```

```

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

```

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

```

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

```

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

```

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

```

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

More information on pyasn1 APIs can be found in the [documentation](<https://pyasn1.readthedocs.io/en/latest/pyasn1/contents.html>), compiled ASN.1 modules for different protocols and file formats could be found in the pyasn1-modules [repo](<https://github.com/pyasn1/pyasn1-modules>).

How to get pyasn1

The pyasn1 package is distributed under terms and conditions of 2-clause BSD [license](https://pyasn1.readthedocs.io/en/latest/license.html). Source code is freely available as a GitHub [repo](https://github.com/pyasn1/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/epyasn1/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/).

Copyright (c) 2005-2020, [Ilya Etingof](mailto:etingof@gmail.com).
All rights reserved.

Found in path(s):

* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1.egg-info/PKG-INFO

* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/PKG-INFO

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

[metadata]

name = pyasn1

version = attr: pyasn1.__version__

description = Pure-Python implementation of ASN.1 types and DER/BER/CER codecs (X.208)

long_description = file: README.md

long_description_content_type = text/markdown

license = BSD-2-Clause

license_files = LICENSE.rst

url = https://github.com/pyasn1/pyasn1

author = Ilya Etingof

author_email = etingof@gmail.com

maintainer = pyasn1 maintenance organization

maintainer_email = Christian Heimes <christian@python.org>

project_urls =

Documentation=https://pyasn1.readthedocs.io

Source=https://github.com/pyasn1/pyasn1

Issues=https://github.com/pyasn1/pyasn1/issues

Changelog=https://pyasn1.readthedocs.io/en/latest/changelog.html

platforms = any

classifiers =

Development Status :: 5 - Production/Stable

Environment :: Console

Intended Audience :: Developers

Intended Audience :: Education

Intended Audience :: Information Technology
Intended Audience :: System Administrators
Intended Audience :: Telecommunications Industry
License :: OSI Approved :: BSD License
Natural Language :: English
Operating System :: OS Independent
Programming Language :: Python :: 3
Programming Language :: Python :: 3.8
Programming Language :: Python :: 3.9
Programming Language :: Python :: 3.10
Programming Language :: Python :: 3.11
Programming Language :: Python :: 3.12
Programming Language :: Python :: Implementation :: CPython
Programming Language :: Python :: Implementation :: PyPy
Topic :: Communications
Topic :: Software Development :: Libraries :: Python Modules

[options]

```
python_requires = >=3.8
zip_safe = True
setup_requires = setuptools
packages =
  pyasn1
  pyasn1.type
  pyasn1.compat
  pyasn1.codec
  pyasn1.codec.ber
  pyasn1.codec.cer
  pyasn1.codec.der
  pyasn1.codec.native
```

[bdist_wheel]

```
universal = 1
```

[egg_info]

```
tag_build =
tag_date = 0
```

Found in path(s):

```
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/setup.cfg
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ASN.1 library for Python

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


status](https://github.com/pyasn1/pyasn1/actions/workflows/main.yml/badge.svg)](https://github.com/pyasn1/pyasn1/actions/workflows/main.yml)
[![Coverage
Status](https://img.shields.io/codecov/c/github/pyasn1/pyasn1.svg)](https://codecov.io/github/pyasn1/pyasn1)
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```
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 componentType = NamedTypes(
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 OptionalNamedType(
 'room', Integer().subtype(
 implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
)
),
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)
)
)
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```
```

```

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Record:
id=123
room=321
>>>
...

```

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...

```

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](<https://pyasn1.readthedocs.io/en/latest/pyasn1/contents.html>), compiled ASN.1 modules for different protocols and file formats could be found in the pyasn1-modules [repo](<https://github.com/pyasn1/pyasn1-modules>).

How to get pyasn1

The pyasn1 package is distributed under terms and conditions of 2-clause BSD [license](<https://pyasn1.readthedocs.io/en/latest/license.html>). Source code is freely available as a GitHub [repo](<https://github.com/pyasn1/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/epyt/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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* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/README.md

1.32 six 1.16.0

1.32.1 Available under license :

The primary author and maintainer of six is Benjamin Peterson. He would like to acknowledge the following people who submitted bug reports, pull requests, and otherwise worked to improve six:

Marc Abramowitz

immerrr again

Alexander Artemenko

Aymeric Augustin

Lee Ball

Ben Bariteau

Ned Batchelder

Wouter Bolsterlee

Brett Cannon

Jason R. Coombs

Julien Danjou

Ben Darnell

Ben Davis

Jon Dufresne

Tim Graham

Thomas Grainger

Max Grender-Jones

Pierre Grimaud

Joshua Harlow

Toshiki Kataoka

Hugo van Kemenade

Anselm Kruis

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Alexander Lukanin

James Mills

Jordan Moldow

Berker Peksag

Sridhar Ratnakumar

Erik Rose

Mirko Rossini

Peter Ruibal

Miroslav Shubernetskiy

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1.33 appdirs 1.4.4

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1.34 python-dateutil 2.9.0.post0

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dateutil - Extensions to the standard Python datetime module.

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1.35 Idap 2.9.1

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1.36 requests-file 2.1.0

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1.37 typing-extensions 4.12.2

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A. HISTORY OF THE SOFTWARE

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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.

All

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

the various releases.

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

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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1.38 sqlparse 0.5.1

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1.39 django 3.0.1

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A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands

as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

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

In May

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

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

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

Footnotes:

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible,

because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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=====
Advice for new contributors
=====

New contributor and not sure what to do? Want to help but just don't know how to get started? This is the section for you.

.. admonition:: Basic tools and workflow

If you are new to contributing to Django, the `:doc:`/intro/contributing`` tutorial will give you an introduction to the tools and the workflow.

First steps

=====
Start with these steps to discover Django's development process.

* **Triage tickets**

If an ``unreviewed ticket`_` reports a bug, try and reproduce it. If you can reproduce it and it seems valid, make a note that you confirmed the bug and accept the ticket. Make sure the ticket is filed under the correct component area. Consider writing a patch that adds a test for the bug's behavior, even if you don't fix the bug itself. See more at `:ref:`how-can-i-help-with-triaging``

****Look for tickets that are accepted and review patches to build familiarity with the codebase and the process****

Mark the appropriate flags if a patch needs docs or tests. Look through the changes a patch makes, and keep an eye out for syntax that is incompatible with older but still supported versions of Python. `:doc:`Run the tests </internals/contributing/writing-code/unit-tests>`` and make sure they pass. Where possible and relevant, try them out on a database other than SQLite. Leave comments and feedback!

****Keep old patches up to date****

Oftentimes the codebase will change between a patch being submitted and the time it gets reviewed. Make sure it still applies cleanly and functions as expected. Updating a patch is both useful and important! See more on `:doc:`writing-code/submitting-patches``.

****Write some documentation****

Django's documentation is great but it can always be improved. Did you find a typo? Do you think that something should be clarified? Go ahead and suggest a documentation patch! See also the guide on `:doc:`writing-documentation``.

.. note::

The ``reports page`_` contains links to many useful Trac queries, including several that are useful for triaging tickets and reviewing patches as suggested above.

.. `_reports page``: <https://code.djangoproject.com/wiki/Reports>

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.. `_unreviewed ticket``: <https://code.djangoproject.com/query?status=!closed&stage=Unreviewed>

Guidelines

=====

As a newcomer on a large project, it's easy to experience frustration. Here's some advice to make your work on Django more useful and rewarding.

* **Pick a subject area that you care about, that you are familiar with, or that you want to learn about**

You don't already have to be an expert on the area you want to work on; you become an expert through your ongoing contributions to the code.

* **Analyze tickets' context and history**

Trac isn't an absolute; the context is just as important as the words. When reading Trac, you need to take into account who says things, and when they were said. Support for an idea two years ago doesn't necessarily mean that the idea will still have support. You also need to pay attention to who *hasn't* spoken -- for example, if an experienced contributor hasn't been recently involved in a discussion, then a ticket may not have the support required to get into Django.

* **Start small**

It's easier to get feedback on a little issue than on a big one. See the ``easy pickings`_`.

* **If you're going to engage in a big task, make sure that your idea has support first**

This means getting someone else to confirm that a bug is real before you fix the issue, and ensuring that there's consensus on a proposed feature before you go implementing it.

* **Be bold! Leave feedback!**

Sometimes it can be scary to put your opinion out to the world and say "this ticket is correct" or "this patch needs work", but it's the only way the project moves forward. The contributions of the broad Django community ultimately have a much greater impact than that of any one person. We can't do it without *you*!

* **Err on the side of caution when marking things Ready For Check-in**

If you're really not certain if a ticket is ready, don't mark it as such. Leave a comment instead, letting others know your thoughts. If you're mostly certain, but not completely certain, you might also try asking on IRC to see if someone else can confirm your suspicions.

****Wait for feedback, and respond to feedback that you receive****

Focus on one or two tickets, see them through from start to finish, and repeat. The shotgun approach of taking on lots of tickets and letting some fall by the wayside ends up doing more harm than good.

****Be rigorous****

When we say "pep:8", and must have docs and tests", we mean it. If a patch doesn't have docs and tests, there had better be a good reason. Arguments like "I couldn't find any existing tests of this feature" don't carry much weight--while it may be true, that means you have the extra-important job of writing the very first tests for that feature, not that you get a pass from writing tests altogether.

.. [_easy pickings: https://code.djangoproject.com/query?status=!closed&easy=1](https://code.djangoproject.com/query?status=!closed&easy=1)

.. [_new-contributors-faq:](#)

FAQ

===

1. ****This ticket I care about has been ignored for days/weeks/months! What can I do to get it committed?***

First off, it's not personal. Django is entirely developed by volunteers (except the Django fellow), and sometimes folks just don't have time. The best thing to do is to send a gentle reminder to the `|django-developers|` mailing list asking for review on the ticket, or to bring it up in the ``#django-dev`` IRC channel.

2. ****I'm sure my ticket is absolutely 100% perfect, can I mark it as RFC myself?***

Short answer: No. It's always better to get another set of eyes on a ticket. If you're having trouble getting that second set of eyes, see question 1, above.

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