

Oracle Autonomous Health Framework Licensing Information User Manual



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Oracle Autonomous Health Framework

- [Introduction](#)
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1.1 Introduction

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1.2.1 Oracle Autonomous Health Framework 26.3.0.0.0

- [pexpect](#)
Interacts with command-line scripts from a python program.
- [Pytz](#)
Brings the IANA tz database into Python. This library allows accurate and cross platform timezone calculations.
- [Lucene](#)
Lucene provides Java-based indexing and search technology, as well as spell checking, hit highlighting, and advanced analysis/tokenization capabilities.
- [requests](#)
Requests provides higher level API for HTTP/s requests.

- [beautifulsoup4](#)
Beautiful Soup is a library that makes it easy to scrape information from web pages. It sits atop an HTML or XML parser, providing Pythonic idioms for iterating, searching, and modifying the parse tree.
- [OCI SDK for Python](#)
Python API to access OCI
- [Jackson Core](#)
Jackson is a suite of data-processing tools for Java (and JVM platform).
- [Paramiko](#)
Pure python SSH v2 implementation.
- [Python](#)
The python language.
- [ptyprocess](#)
pexpect is a python version of expect utility from operating system to automate answering the prompts
- [pywin32](#)
Access to Windows specific APIs to provide better functionality than generic Python APIs can for certain operations.
- [Jinja2](#)
This package is a templating engine used by pandas when table styling is invoked.
- [Commons IO](#)
The Apache Commons IO library contains utility classes, stream implementations, file filters, file comparators, endian transformation classes, and much more.
- [pyarrow](#)
Parquet file format support.
- [picocli](#)
Command line authoring for Java
- [log4j-core](#)
API for Apache Log4J, a highly configurable logging tool that focuses on performance and low garbage generation.
- [Log4j-API](#)
API for Apache Log4J, a highly configurable logging tool that focuses on performance and low garbage generation.
- [Jakarta Mail](#)
The Jakarta Mail library is the newly renamed version of the Java Mail standard implementation of the SMTP protocol. Basically, sending emails using Java API.
- [Jakarta JSON API](#)
Jakarta JSON Processing is a Java API to process (e.g. parse, generate, transform and query) JSON documents.
- [Jakarta JSON Bind API](#)
Jakarta JSON Binding is a standard binding layer for converting Java objects to/from JSON documents.
- [Jakarta Activation API \(JAF\)](#)
Jakarta Activation lets you take advantage of standard services to: determine the type of an arbitrary piece of data; encapsulate access to it; discover the operations available on it; and instantiate the appropriate bean to perform the operation(s).

- [Jackson Databind](#)
Data Binding API is used to convert JSON to and from POJO (Plain Old Java Object) using property accessor or using annotations.
- [Commons CSV](#)
Provides support for manipulating CSV files.
- [Plotly](#)
Plotly's Python graphing library makes interactive, publication-quality graphs. Examples of how to make line plots, scatter plots, area charts, bar charts, error bars, box plots, histograms, heatmaps, subplots, multiple-axes, polar charts, and bubble charts.
- [NumPy](#)
NumPy is a Python library used for working with arrays and linear algebra.
- [pip](#)
pip is the package installer for Python. You can use pip to install packages from the Python Package Index and other indexes.
- [xarray](#)
This package contains Core utilities for Python packages including: version handling, specifiers, markers, requirements and tags.
- [python-oracledb](#)
Oracle database driver for Python.
- [Eclipse Parsson](#)
Implementation of Jakarta JSON Processing Specification.
- [Eclipse Yasson](#)
Eclipse Yasson is a Java framework which provides a standard binding layer between Java classes and JSON documents.
- [angus-activation](#)
AHF uses Jakarta/Angus Mail and this dependent on Angus Activation.
- [Angus Mail](#)
Implementation of Jakarta Mail
- [Jackson Annotations](#)
JSON processor (JSON parser + JSON generator) written in Java. Beyond basic JSON reading/writing (parsing, generating), it also offers full node-based Tree Model, as well as full OJM (Object/Json Mapper) data binding functionality.
- [Pandas](#)
pandas is a Python package that provides fast, flexible, and expressive data structures designed to make working with "relational" or "labeled" data both easy and intuitive. It aims to be the fundamental high-level building block for doing practical, real world data analysis in Python.
- [rich](#)
Rich is a Python library for rendering rich text and beautiful formatting in the terminal.
- [pwinput](#)
pwinput is a Python module that allows you to securely accept password input from users while displaying asterisks (*) or other masking characters instead of showing the actual password.

1.2.1.1 pexpect

Interacts with command-line scripts from a python program.

Copyright Holder: Noah Spurrier

Licensed Technology: pexpect

Licensed Technology Version: 4

Fourth-party dependency names and versions: ptyprocess

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4P Dependencies:

ptyprocess>=0.5

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1.2.1.2 Pytz

Brings the IANA tz database into Python. This library allows accurate and cross platform timezone calculations.

Copyright Holder: Stuart Bishop

Licensed Technology: Pytz

Licensed Technology Version: 2025.2

Fourth-party dependency names and versions: None

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----- Separator -----

1.2.1.3 Lucene

Lucene provides Java-based indexing and search technology, as well as spell checking, hit highlighting, and advanced analysis/tokenization capabilities.

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Licensed Technology: Lucene

Licensed Technology Version: 9

Fourth-party dependency names and versions:

- Spatial4j
- Carrotsearch hppc
- Antlr4
- Asm
- Commons-codec
- Commons-compress
- Commons logging

- Elegant-icon-font
- httpclient
- httpcore
- Icu4j
- Slf4j
- Jetty
- JTS
- Log4j
- Morfologik
- Nekohtml
- Opennlp
- S2-geometry-library

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core/src/java/org/apache/lucene/util/compress/LZ4.java is a Java implementation of the LZ4 (<https://github.com/lz4/lz4/tree/dev/lib>) compression format for Lucene's DataInput/DataOutput abstractions.

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Jdom-contrib version 1.1.3

The JTS tests module contains source from JDOM Contrib 1.1.3 which is available under the Jdom License [1]. The two files are `LineNumberElement.java` and `LineNumberSAXHandler.java`.

Typical users of this library will not need to depend on this module.

[1] <https://github.com/hunterhacker/jdom/blob/master/LICENSE.txt>

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Log4j - Fourth party dependency for lucene-luke

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TypeUtil.java
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picocli (<http://picocli.info>)
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Morfologik - Fourth party dependency for lucene-analyzers-morfologik

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Nekohtml - Fourth party dependency for lucene-benchmark

CyberNeko HTML Parser

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NekoHTML is a simple HTML scanner and tag balancer that enables application programmers to parse HTML documents and access the information using standard XML interfaces. The parser can scan HTML files and "fix up" many common mistakes that human (and computer) authors make in writing HTML documents. NekoHTML adds missing parent elements; automatically closes elements with optional end tags; and can handle mismatched inline element tags.

NekoHTML is written using the Xerces Native Interface (XNI) that is the foundation of the Xerces2 implementation. This enables you to use the NekoHTML parser with existing XNI tools without modification or rewriting code.

Uses same Apache 2 license as top level component

Opennlp - Fourth party dependency for lucene-analyzers-opennlp

Apache OpenNLP Tools

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S2-geometry-library - Fourth party dependency for lucene-spatial-extras

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Xercesimpl - Fourth party optional XML parser implementation to some lucene libraries, not required when platform provides its own implementation

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1.2.1.4 requests

Requests provides higher level API for HTTP/s requests.

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Fourth-party dependency names and versions:

- charset-normalizer
- certifi
- idna
- urllib3

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1.2.1.5 beautifulsoup4

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-----
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```

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<https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt>
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Python API to access OCI

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- certifi
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- six

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1.2.1.7 Jackson Core

Jackson is a suite of data-processing tools for Java (and JVM platform).

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Fourth-party dependency names and versions:

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Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers.

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== FastDoubleParser Notice

FastDoubleParser

This is a Java port of Daniel Lemire's fast_float project.
This project provides parsers for double, float, BigDecimal and BigInteger values.

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1.2.1.8 Paramiko

Pure python SSH v2 implementation.

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Fourth-party dependency names and versions:

- bcrypt
- cffi
- cryptography
- pycparser
- PyNaCl

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pycparser -- A C parser in Python

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1.2.1.9 Python

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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 (now Zope Corporation; see <https://www.zope.org/>). 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 is a sponsoring member of the PSF.

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Mersenne Twister

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A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using `init_genrand(seed)`
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<http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html>

email: m-mat @ math.sci.hiroshima-u.ac.jp (remove space)

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The socket module uses the functions, `getaddrinfo()`, and `getnameinfo()`, which are coded in separate source files from the WIDE Project, <https://www.wide.ad.jp/>.

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Modified by Jack Jansen, CWI, July 1995:

- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

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Original location:

<https://github.com/majek/csiphash/>

Solution inspired by code from:

Samuel Neves (supercop/crypto_auth/siphash24/little)

djb (supercop/crypto_auth/siphash24/little2)

Jean-Philippe Aumasson (<https://131002.net/siphash/siphash24.c>)

strtod and dtoa

The file Python/dtoa.c, which supplies C functions dtoa and strtod for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from <https://web.archive.org/web/20220517033456/http://www.netlib.org/fp/dtoa.c>. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing notice:

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Jean-loup Gailly	Mark Adler
jloup@gzip.org	madler@alumni.caltech.edu
cfuhash	

The implementation of the hash table used by the tracemalloc is based on the cfuhash project:

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W3C C14N test suite

The C14N 2.0 test suite in the test package (Lib/test/xmltestdata/c14n-20/)

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Audioop

The audioop module uses the code base in g771.c file of the SoX project:

Programming the AdLib/Sound Blaster

FM Music Chips

Version 2.0 (24 Feb 1992)

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jlee@smylex.uucp

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setuptools 65.5.1

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cryptography 41.0.2

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1.2.1.10 ptyprocess

pexpect is a python version of expect utility from operating system to automate answering the prompts

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Fourth-party dependency names and versions: None

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1.2.1.11 pywin32

Access to Windows specific APIs to provide better functionality than generic Python APIs can for certain operations.

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Fourth-party dependency names and versions: None

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This package is a templating engine used by pandas when table styling is invoked.

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1.2.1.14 pyarrow

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Name: tempita
Files: tools/npy_tempita/*
License: MIT

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Name: dragon4
Files: numpy/core/src/multiarray/dragon4.c
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```
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 *
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 */
```

```
/*
 * This file contains a modified version of Ryan Juckett's Dragon4
 * implementation, obtained from http://www.ryanjuckett.com,
 * which has been ported from C++ to C and which has
 * modifications specific to printing floats in numpy.
 *
 * Ryan Juckett's original code was under the Zlib license; he gave numpy
 * permission to include it under the MIT license instead.
 */
```

Name: libdivide
Files: numpy/core/include/numpy/libdivide/*
License: Zlib

zlib License

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1.2.1.15 picocli

Command line authoring for Java

Copyright Holder: Remko Popma

Licensed Technology: picocli

Licensed Technology Version: 4

Fourth-party dependency names and versions: None

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1.2.1.16 log4j-core

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1.2.1.17 Log4j-API

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1.2.1.18 Jakarta Mail

The Jakarta Mail library is the newly renamed version of the Java Mail standard implementation of the SMTP protocol. Basically, sending emails using Java API.

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1.2.1.20 Jakarta JSON Bind API

Jakarta JSON Binding is a standard binding layer for converting Java objects to/from JSON documents.

Copyright Holder: Eclipse Foundation

Licensed Technology: Jakarta JSON Bind API

Licensed Technology Version: 3

Fourth-party dependency names and versions: \- jakarta.json.bind:jakarta.json.bind-api:jar:3.0.1:compile

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Fourth-party dependency names and versions: None

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Data Binding API is used to convert JSON to and from POJO (Plain Old Java Object) using property accessor or using annotations.

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Fourth-party dependency names and versions:

- jackson-annotations
- jackson-core

Fourth parties -

```
com.fasterxml.jackson.core:jackson-annotations:2.16.1
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1.2.1.24 Plotly

Plotly's Python graphing library makes interactive, publication-quality graphs. Examples of how to make line plots, scatter plots, area charts, bar charts, error bars, box plots, histograms, heatmaps, subplots, multiple-axes, polar charts, and bubble charts.

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Fourth-party dependency names and versions:

- packaging
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tempita

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dragon4

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libdivide

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Written in 2015 by Sebastiano Vigna (vigna@acm.org)

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Name: SFC64

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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

<https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083>

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Name: PCG64

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PCG Random Number Generation for C.

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The rk_random and rk_seed functions algorithms and the original design of the Mersenne Twister RNG:

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

Constants used in the rk_double implementation by Isaku Wada.

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Name: Julia

The ziggurat methods were derived from Julia.

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Name: Random

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Components

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1.2.1.26 pip

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A. HISTORY OF THE SOFTWARE

=====

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

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

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

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

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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	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
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
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3.1.2	3.1	2010	PSF	yes
3.2	3.1	2010	PSF	yes

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1.2.1.27 xarray

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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

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1.2.1.28 python-oracledb

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== six

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pycparser -- A C parser in Python

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```
-----
Fourth Party Dependencies
-----
```

"Jakarta JSON Processing API" (jakarta.json:jakarta.json-api)

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1.2.1.30 Eclipse Yasson

Eclipse Yasson is a Java framework which provides a standard binding layer between Java classes and JSON documents.

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Fourth-party dependency names and versions:

- jakarta.json.bind:jakarta.json.bind-api:3.0.1
- jakarta.json:jakarta.json-api:2.1.3

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cdi-api 2.0 (JSR 365: Contexts and Dependency Injection for Java (2.0))

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1.2.1.31 angus-activation

AHF uses Jakarta/Angus Mail and this dependent on Angus Activation.

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Licensed Technology Version: 2

Fourth-party dependency names and versions: None

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- * <https://github.com/eclipse-ee4j/angus-activation>
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Contributing to Eclipse Angus

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Project description

Eclipse Angus provides implementations of Jakarta Activation, a standard extension to the Java platform that lets you take advantage of standard services
to: determine the type of an arbitrary piece of data; encapsulate access to

it;
discover the operations available on it; and instantiate the appropriate bean
to
perform the operation(s), and Jakarta Mail, a platform-independent and
protocol-independent framework to build mail and messaging applications.

* <https://projects.eclipse.org/projects/ee4j.angus>

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Contact

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* <https://accounts.eclipse.org/mailling-list/angus-dev>

1.2.1.32 Angus Mail

Implementation of Jakarta Mail

Copyright Holder: Eclipse Foundation

Licensed Technology: Angus Mail

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Fourth-party dependency names and versions:

- jakarta.activation:jakarta.activation-api
- jakarta.mail:jakarta.mail-api
- org.eclipse.angus:angus-activation

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angus-activation

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1.2.1.33 Jackson Annotations

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Fourth-party dependency names and versions:

- python-dateutil
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- pytz
- numpy
- OpenBLAS
- lapack-lite
- tempita
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- libdivide
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MT19937

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The rk_random and rk_seed functions algorithms and the original design of
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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

Constants used in the rk_double implementation by Isaku Wada.

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PCG64

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PCG Random Number Generation for C.

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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.
<https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083>
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SPLITMIX64

Written in 2015 by Sebastiano Vigna (vigna@acm.org)

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1.2.1.35 rich

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.parse() is based on Joyent's node.js `url` code:

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- * Oleh Prypin -- Crystal lexer (based on Ruby lexer)
- * Nick Psaris -- K and Q lexers
- * Xidorn Quan -- Web IDL lexer
- * Elias Rabel -- Fortran fixed form lexer
- * raichoo -- Idris lexer
- * Daniel Ramirez -- GDScript lexer
- * Kashif Rasul -- CUDA lexer
- * Nathan Reed -- HLSL lexer
- * Justin Reidy -- MXML lexer
- * Jonathon Reinhart, Google LLC -- Soong lexer
- * Norman Richards -- JSON lexer
- * Corey Richardson -- Rust lexer updates
- * Fabrizio Riguzzi -- cplint lexer
- * Lubomir Rintel -- GoodData MAQL and CL lexers
- * Andre Roberge -- Tango style
- * Georg Rollinger -- HSAIL lexer
- * Michiel Roos -- TypoScript lexer
- * Konrad Rudolph -- LaTeX formatter enhancements
- * Mario Ruggier -- Evoque lexers
- * Miikka Salminen -- Lovelace style, Hexdump lexer, lexer enhancements
- * Stou Sandalski -- NumPy, FORTRAN, tcsh and XSLT lexers
- * Matteo Sasso -- Common Lisp lexer
- * Joe Schafer -- Ada lexer
- * Max Schillinger -- TiddlyWiki5 lexer
- * Andrew Schmidt -- X++ lexer
- * Ken Schutte -- Matlab lexers
- * René Schwaiger -- Rainbow Dash style
- * Sebastian Schweizer -- Whiley lexer
- * Tassilo Schweyer -- Io, MOOCode lexers
- * Pablo Seminario -- PromQL lexer
- * Ted Shaw -- AutoIt lexer
- * Joerg Sieker -- ABAP lexer
- * Robert Simmons -- Standard ML lexer
- * Kirill Simonov -- YAML lexer
- * Corbin Simpson -- Monte lexer

- * Ville Skyttä -- ASCII armored lexer
- * Alexander Smishlajev -- Visual FoxPro lexer
- * Steve Spigarelli -- XQuery lexer
- * Jerome St-Louis -- eC lexer
- * Camil Staps -- Clean and NuSMV lexers; Solarized style
- * James Strachan -- Kotlin lexer
- * Tom Stuart -- Treetop lexer
- * Colin Sullivan -- SuperCollider lexer
- * Ben Swift -- Extempore lexer
- * tatt61880 -- Kuin lexer
- * Edoardo Tenani -- Arduino lexer
- * Tiberius Teng -- default style overhaul
- * Jeremy Thurgood -- Erlang, Squid config lexers
- * Brian Tiffin -- OpenCOBOL lexer
- * Bob Tolbert -- Hy lexer
- * Doug Torrance -- Macaulay2 lexer
- * Matthias Trute -- Forth lexer
- * Tuoa Spi T4 -- Bdd lexer
- * Erick Tryzelaar -- Felix lexer
- * Alexander Udalov -- Kotlin lexer improvements
- * Thomas Van Doren -- Chapel lexer
- * Dave Van Ee -- Uxntal lexer updates
- * Daniele Varrazzo -- PostgreSQL lexers
- * Abe Voelker -- OpenEdge ABL lexer
- * Pepijn de Vos -- HTML formatter CTags support
- * Matthias Vallentin -- Bro lexer
- * Benoît Vinot -- AMPL lexer
- * Linh Vu Hong -- RSL lexer
- * Taavi Väänänen -- Debian control lexer
- * Immanuel Washington -- Smithy lexer
- * Nathan Weizenbaum -- Haml and Sass lexers
- * Nathan Whetsell -- Csound lexers
- * Dietmar Winkler -- Modelica lexer
- * Nils Winter -- Smalltalk lexer
- * Davy Wybiral -- Clojure lexer
- * Whitney Young -- ObjectiveC lexer
- * Diego Zamboni -- CFEngine3 lexer
- * Enrique Zamudio -- Ceylon lexer
- * Alex Zimin -- Nemerle lexer
- * Rob Zimmerman -- Kal lexer
- * Evgenii Zheltonozhskii -- Maple lexer
- * Vincent Zurczak -- Roboconf lexer
- * Hubert Gruniaux -- C and C++ lexer improvements
- * Thomas Symalla -- AMDGPU Lexer
- * 15b3 -- Image Formatter improvements
- * Fabian Neumann -- CDDL lexer
- * Thomas Duboucher -- CDDL lexer
- * Philipp Imhof -- Pango Markup formatter
- * Thomas Voss -- Sed lexer
- * Martin Fischer -- WCAG contrast testing
- * Marc Auberer -- Spice lexer
- * Amr Hesham -- Carbon lexer
- * diskdance -- Wikitext lexer
- * vanillajonathan -- PRQL lexer
- * Nikolay Antipov -- OpenSCAD lexer
- * Markus Meyer, Nextron Systems -- YARA lexer

* Hannes Römer -- Mojo lexer
* Jan Frederik Schaefer -- PDDL lexer

Many thanks for all contributions!

1.2.1.36 pwininput

pwininput is a Python module that allows you to securely accept password input from users while displaying asterisks (*) or other masking characters instead of showing the actual password.

Copyright Holder: Al Sweigart

Licensed Technology: pwininput

Licensed Technology Version: 1

Fourth-party dependency names and versions: None

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