Oracle Autonomous Health Framework Licensing Information User Manual

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Oracle Autonomous Health Framework Licensing Information User Manual ,

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1

Oracle Autonomous Health Framework

- Introduction
- Third-Party License Information
- Documentation Accessibility

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- Oracle Autonomous Health Framework 25.7.0.0.0

1.2.1 Oracle Autonomous Health Framework 25.7.0.0.0

- 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.

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- 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).

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- 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

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Licensed Technology: pexpect

Licensed Technology Version: 4

Fourth-party dependency names and versions: ptyprocess

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****
4P Dependencies:
****

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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.

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Licensed Technology: Pytz

Licensed Technology Version: 2024.2

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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Fourth-party dependency names and versions:

- Spatial4j
- Carrotsearch hppc
- Antlr4
- Asm
- Commons-codec
- Commons-compress
- Commons logging
- Elegant-icon-font

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- 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

GeoTools

JTS includes some code from the GeoTools project. This code has been licensed to the JTS project under the OSGeo BSD License [2] by the GeoTools PSC [3,4].

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picocli (http://picocli.info)
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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

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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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(CA). These were automatically extracted from Mozilla's root certificates
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https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt
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1.2.1.6 OCI SDK for Python

Python API to access OCI

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- pyOpenSSL
- python-dateutil
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- six

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Jackson JSON processor

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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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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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- bcrypt
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- cryptography
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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://

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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
The _random module includes code based on a download from http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html. The following are the verbatim comments from the original code:

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)
or init_by_array(init_key, key_length).

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http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html
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Sockets
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
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Original location:
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Solution inspired by code from:
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setuptools 65.5.1

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1.2.1.10 ptyprocess

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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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1.2.1.14 pyarrow

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is based on Folly's

 * folly/Portability.h
 * folly/lang/Align.h
 * folly/ProducerConsumerQueue.h

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r/R/dplyr-count-tally.R (some portions)

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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/*
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1.2.1.15 picocli

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1.2.1.16 log4j-core

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Licensed Technology Version: 2

Fourth-party dependency names and versions: None

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1.2.1.17 Log4j-API

API for Apache Log4J, a highly configurable logging tool that focuses on performance and low garbage generation.

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Fourth-party dependency names and versions: None

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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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* https://github.com/jakartaee/jsonb-api

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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
com.fasterxml.jackson.core:jackson-core:2.16.1

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This is a Java port of Daniel Lemire's fast_float project.
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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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1.2.1.25 NumPy

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- libdivide
- SPLITMIX64
- SFC64
- PHILOX
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- MT19937
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Name: SPLITMIX64

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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Name: MT19937

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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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Name: nympy.core.ma

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1.2.1.26 pip

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

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It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
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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
2.2	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

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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
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
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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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== six

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pycparser -- A C parser in Python

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

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- jakarta.json.bind:jakarta.json.bind-api:3.0.1
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1.2.1.31 angus-activation

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* https://github.com/eclipse-ee4j/angus-activation
* https://github.com/eclipse-ee4j/angus-mail

Third-party Content

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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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Developer resources

Information regarding source code management, builds, coding standards, and more.

* https://projects.eclipse.org/projects/ee4j.angus/developer

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* https://github.com/eclipse-ee4j/angus-activation
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Contact

Contact the project developers via the project's "dev" list.

* https://accounts.eclipse.org/mailing-list/angus-dev

1.2.1.32 Angus Mail

Implementation of Jakarta 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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Project: https://wiki.openjdk.java.net/display/CodeTools/sigtest
Source: http://hg.openjdk.java.net/code-tools/sigtest/file/c57f97e2ac2f

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1.2.1.33 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.

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Licensed Technology Version: 2

Fourth-party dependency names and versions: None

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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
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Fourth-party dependency names and versions:

- python-dateutil
- six
- pytz
- numpy
- OpenBLAS
- lapack-lite
- tempita
- dragon4
- libdivide
- SPLITMIX64
- SFC64
- PHILOX
- PCG64
- MT19937
- Julia
- Random
- nympy.core.ma

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Original algorithm for the implementation of rk_interval function from
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1.2.1.35 rich

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* Clément Prévost -- UrbiScript lexer
* Tanner Prynn -- cmdline -x option and loading lexers from files
* 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

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* Fabrizio Riguzzi -- cplint leder
* 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

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* 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 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.

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Licensed Technology: pwinput

Licensed Technology Version: 1

Fourth-party dependency names and versions: None

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