Oracle® Cloud

Licensing Information User Manual for Oracle Fusion Data Intelligence

G14189-02

December 2024

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The Legion Of The Bouncy Castle	Bouncy Castle Crypto API 1.78.1	See Bouncy Castle Crypto API 1.78.1.
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Oracle	dbt-oracle 1.7.5	See dbt-oracle 1.7.5.
The Uncertainty Quantification Foundation	dill 0.3.8	See dill 0.3.8.
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Google Inc.	Guava, version 32.1.1	See Guava, version 32.1.1.
Google Inc.	Guava, version 33.1.0	See Guava, version 33.1.0.
h2database.com	H2, version 2.2.220	See H2, version 2.2.220.
Andrew Colleteh	h5py 3.10.0	See h5py 3.10.0.
Red Hat Middleware LLC	hibernate-core, version 6.1.7.Final	See hibernate-core, version 6.1.7 Final.
Niklas von Hertzen	html2canvas, version 1.4.1	See html2canvas, version 1.4.1.
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Eclipse Foundation	jetty-webapp 11.0.19	See jetty-webapp 11.0.19.
Armin Ronacher	Jinja2 3.1.4	See Jinja2 3.1.4.
Timothy Wall	JNA 5.14.0	See JNA 5.14.0.
Kalle Stenflo	json-path, version 2.9.0	See JsonPath License, Version 2.9.0.
JSON-SMART authors	json-smart 2.5.1	See json-smart 2.5.1.
Jonathan Hedley	jsoup 1.18.1	See jsoup 1.18.1.
James Hall	jsPDF, version 2.5.1	See jsPDF License, Version 2.5.1.
JSQLParser	JSQLParser 4.9	See JSQLParser 4.9.
Stuart Knightley et. al	JSZip, version 3.10.1	See JSZip License, Version 3.10.1.
QOS.ch	jul-to-slf4j, version 2.0.7	See jul-to-slf4j 2.0.7.
Cameron Davidson-Pilon	lifelines 0.29.0	See lifelines 0.29.0
QOS.ch	log4j-over-slf4j 2.0.7	See log4j-over-slf4j 2.0.7.
QOS.ch	logback-classic, version 1.4.14	See logback-classic 1.4.14.
QOS.ch	logback-classic 1.5.6	See logback-core 1.5.6.

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QOS.ch	logback-classic 1.5.8	See logback-classic 1.5.8.
QOS.ch	logback-core 1.4.14	See logback-core 1.4.14.
QOS.ch	logback-core 1.5.6	logback-core 1.5.6.
QOS.ch	logback-core 1.5.8	See logback-core 1.5.8.
The Apache Software Foundation	Logstash Logback Encoder, version 7.2	See Logstash Logback Encoder, version 7.2.
Project Lombok	Lombok, version 1.18.24	See Lombok License, Version 1.18.24.
Project Lombok	Lombok, version 1.18.26	See Lombok License, Version 1.18.26.
Project Lombok	Lombok, version 1.18.30	See Lombok 1.18.30.
Project Lombok	Lombok 1.18.34	See Lombok 1.18.34.
Vianney TAQUET, Grégoire MARTINON, Nicolas BRUNEL, Issam IBNOUHSEIN, François DEHEEGER and MAPIE contributors	mapie 0.8.6	See mapie 0.8.6.
MapStruct Authors	mapstruct-core, version 1.5.5.Final	See mapstruct-core, version 1.5.5.Final.
MapStruct Authors	mapstruct-core 1.6.0	See mapstruct-core 1.6.0.
MapStruct Authors	mapstruct-processor 1.5.5.Final	See mapstruct-processor 1.5.5.Final
MapStruct Authors	mapstruct-processor 1.6.0	See mapstruct-processor 1.6.0.
Code Hale, Inc., Yammer Inc. and the Dropwizard Team	metrics-healthchecks version 4.2.25	See metrics-healthchecks version 4.2.25.
Microsoft	Microsoft JDBC Driver for SQL Server, version 12.2.0.jre11	See Microsoft JDBC Driver for SQL Server 12.2.0.jre11.9

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The Apache Software Foundation	Mina SSHD-sftp 2.12.1	See Mina SSHD-sftp 2.12.1
Jonathan Halterman	modelmapper-core version 3.2.0	See modelmapper-core version 3.2.0.
MongoDB, Inc.	mongodb-driver-sync, version 4.10.2	See mongodb-driver-sync, version 4.10.2.
NLTK Project	Natural Language Toolkit (NLTK) 3.9.1	See Natural Language Toolkit (NLTK) 3.9.1.
Connect2id Ltd.	Nimbus JOSE+JWT 9.37.3	See Nimbus JOSE+JWT 9.37.3.
Connect2id Ltd.	Nimbus OAuth 2.0 SDK with OpenID Connect extensions, version 11.6	See Nimbus OAuth 2.0 SDK with OpenID Connect extensions 11.6.
Anaconda, Inc.	numba 0.60.0	See numba 0.60.0.
NumPy Developers	NumPy, version 1.24.3	See numpy, version 1.24.3.
NumPy Developers	NumPy 1.26.4	See NumPy 1.26.4.
NumPy Developers	NumPy 2.0.2	See NumPy 2.0.2.
NumPy Developers	NumPy 2.1.0	See NumPy 2.1.0.
NumPy Developers	NumPy 2.1.1	See NumPy 2.1.1.
Glen Smith	OpenCSV, version 5.9	See OpenCSV, version 5.9.
The PyData Development Team	pandas, version 2.0.3	See pandas, version 2.0.3.
QR Capital Management, LLC, Lambda Foundry, Inc. and PyData Development Team	pandas, version 2.2.2	See pandas, version 2.2.2.
The Apache Software Foundation	poi-ooxml, version 5.2.3	See poi-ooxml License, Version 5.2.3.

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Brent Ely	pptxgenjs, version 3.11.0	See PptxGenJS License, Version 3.11.0.
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Google, Inc.	protobuf-python 4.25.4	See protobuf-python 4.25.4.
The Apache Software Foundation	pyarrow 17.0.0	See pyarrow 17.0.0.
Python Software Foundation	Python 3.8.14-1	See Python 3.8.14-1.
Python Software Foundation	python-dateutil 2.9.0	See python-dateutil 2.9.0.
Oracle and/or its affiliates	python-oracledb 2.2.1	See python-oracledb 2.2.1.
William Falcon et al.	pytorch-lightning 2.4.0	See pytorch-lightning 2.4.0
Terracota	Quartz Job Scheduler, version 2.3.2	See Quartz Job Scheduler, version 2.3.2.
Terracota	Quartz Job Scheduler 2.5.0-rc1	See Quartz Job Scheduler 2.5.0-rc1.
Salvatore Sanfilippo	Redis, version 6.2.11	See Redis, version 6.2.11,
Robert Winkler and Bohdan Storozhuk	resilience4j-annotations, version 2.1.0	See resilience4j-annotations 2.1.0.
Robert Winkler and Bohdan Storozhuk	resilience4j-core 2.1.0	See resilience4j-core 2.1.0.
Robert Winkler and Bohdan Storozhuk	resilience4j-ratelimiter, version 2.1.0	See resilience4j-ratelimiter 2.1.0.
Software Freedom Conservancy	REST-assured 5.2.0	See REST-assured 5.2.0.
ENS Paris-Saclay, CNRS	ruptures 1.1.9	See ruptures 1.1.9.
scikit-learn developers	scikit-learn 1.5.1	See scikit-learn 1.5.1.
SciPy developers	scipy 1.14.1	See scipy 1.14.1.
Nils Reimers	sentence-transformers 3.0.0	See sentence-transformers 3.0.0.

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Nikolay Kim	setuptools-rust 1.9.0	See setuptools-rust 1.9.0.
Scott Lundberg	shap 0.46.0	See shap 0.46.0.
QOS.ch	slf4j-api, version 2.0.12	See slf4j-api 2.0.12.
QOS.ch	slf4j-api, version 2.0.7	See slf4j-api 2.0.7.
QOS.ch	slf4j-api 2.0.16	See slf4j-api 2.0.16.
Snowflake Computing	Snowflake JDBC Driver, version 3.13.30	See Snowflake JDBC Driver, version 3.13.30.
Pivotal, Inc.	spring-beans 6.1.5	See spring-beans 6.1.5.
Pivotal, Inc.	spring-boot-autoconfigure 3.3.3	See spring-boot-autoconfigure 3.3.3.
Pivotal, Inc.	Spring-boot-starter 3.3.3	See Spring-boot-starter 3.3.3.
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Pivotal, Inc.	spring-boot-starter-cache 3.3.3	See spring-boot-starter-cache 3.3.3.
Pivotal, Inc.	spring-boot-starter-data-jdbc 3.3.3	See spring-boot-starter-data-jdbc 3.3.3.
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Pivotal, Inc.	spring-boot-starter-websocket 3.3.3	See spring-boot-starter-websocket 3.3.3.
Pivotal Software, Inc	spring-cloud-context, version 4.0.4	See spring-cloud-context, version 4.0.4.
Pivotal Software, Inc	spring-cloud-dependencies 2023.0.0	See spring-cloud-dependencies 2023.0.0.
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Open Knowledge Foundation, Friedrich Lindenberg, Gregor Aisch	TableSchema 1.20.11	See TableSchema 1.20.11.
Google	tensorflow-hub, version 0.16.0	See tensorflow-hub, version 0.16.0.
Google	tensorflow-python 2.16.2	See tensorflow-python 2.16.2.
Google	tensorflow-python 2.17.0	See tensorflow-python 2.17.0.
The Apache Software Foundation	Tomcat 10.1.26	See Tomcat 10.1.26.
Andrey Petrov	urllib3, version 2.2.2	See urllib3, version 2.2.2.
Daniel Holth	wheel version 0.43.0	See wheel version 0.43.0.
The Apache Software Foundation	XMLBeans, version 5.2.1	See XMLBeans, version 5.2.1.

ANTLR 44.13.1

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antlr4
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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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This is a Java port of Daniel Lemire's fast_float project.
This project provides parsers for double, float, BigDecimal and BigInteger
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bcpkix-fips 1.0.7

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classgraph 4.8.172

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ifeval::["{revremark}" != ""]
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pycparser -- A C parser in Python

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typing-extensions
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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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All Python releases are Open Source (see http://www.opensource.org for
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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
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Thanks to the many outside volunteers who have worked under Guido's
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ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov  3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt).  This file can be found in the mozilla source tree:
https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/
certdata.txt
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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dill 0.3.8

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DropWizard-core 4.0.1

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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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It is currently developed by a community of developers, as well as supported
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 * org.apache.taglibs:taglibs-standard-impl

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 * org.apache.tomcat:tomcat-jasper
 * org.apache.tomcat:tomcat-juli
 * org.apache.tomcat:tomcat-jsp-api
 * org.apache.tomcat:tomcat-el-api
 * org.apache.tomcat:tomcat-jasper-el
 * org.apache.tomcat:tomcat-api
 * org.apache.tomcat:tomcat-util-scan
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aslv20.html

EPL 1.0,Apache 2.0 ( same as org.eclipse.jetty.toolchain.setuid:jetty-setuid-
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------


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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following
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 * java.sun.security.ssl

These artifacts replace/modify OpenJDK classes.  The modifications
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http://openjdk.java.net/legal/gplv2+ce.html

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  org.apache.tomcat:tomcat-jasper-el
  org.apache.tomcat:tomcat-api
  org.apache.tomcat:tomcat-util-scan
  org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
  org.apache.tomcat:tomcat-jasper-el
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Assorted

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```
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Other developers who have contributed code are:

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```
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<html><head>


<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Eclipse.org Software User Agreement</title>
</head><body lang="EN-US" link="blue" vlink="purple">
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dropwizard-http2 4.0.4

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Other developers who have contributed code are:
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Other developers who have contributed code are:

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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, as well as supported
commercially by FasterXML.com.

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different licenses.
To find the details that apply to this artifact see the accompanying LICENSE
file.
For more information, including possible other licensing options, contact
FasterXML.com (http://fasterxml.com).

Credits

A list of contributors may be found from CREDITS file, which is included
in some artifacts (usually source distributions); but is always available
from the source code management (SCM) system project uses.

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=== Source URL: https://github.com/FasterXML/jackson-modules-java8/tree/jackson-modules-java8-2.15.3/parameter-names
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---

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```
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    "numpy" has bundled license that are included below
gluonts needs "pandas"
    "pandas" needs "numpy"
        "numpy" has bundled license that are included below
    "pandas" needs "python-dateutil"
        "python-dateutil" needs "six"
            "six" doesn't have any dependencies
    "pandas" needs "pytz"
        "pytz" doesn't have any dependencies
    "pandas" needs "tzdata"
        "tzdata" doesn't have any dependencies
gluonts needs "pydantic"
    "pydantic" needs "annotated-types"
        "annotated-types" doesn't have any dependencies
```

```
        "pydantic" needs "pydantic_core"
            "pydantic_core" needs "typing_extensions"
                "typing_extensions" doesn't have any dependencies
        "pydantic" needs "typing_extensions"
            "typing_extensions" doesn't have any dependencies
    gluonts needs "toolz"
        "toolz" doesn't have any dependencies
    gluonts needs "tqdm"
        "tqdm" doesn't have any dependencies
    gluonts needs "typing_extensions"
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 *
```

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 *
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 */


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Files: numpy/_core/include/numpy/libdivide/*
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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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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

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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
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All Python releases are Open Source (see https://opensource.org for
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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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Portions of code from MODP_ASCII - Ascii transformations (upper/lower, etc)
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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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 */

public interface Api
{
    void checkVersion1();
}
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org.codehaus.mojo:animal-sniffer-annotations

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*/

public interface Api

{

void checkVersion1();

}

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io.opencensus:opencensus-api

io.opencensus:opencensus-contrib-http-util

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org.threeten:threetenbp

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com.jayway.jsonpath:json-path

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== NAME OF DEPENDENCY 5

jakarta.annotation:jakarta.annotation-api

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Source Code

The project maintains the following source code repositories:

https://github.com/eclipse-ee4j/common-annotations-api

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== NAME OF DEPENDENCY 6

net.minidev:accessors-smart

net.minidev:json-smart

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== NAME OF DEPENDENCY 7

org.apache.logging.log4j:log4j-to-slf4j

org.apache.logging.log4j:log4j-api

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Dumbster SMTP test server

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picocli (http://picocli.info)

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TimeoutBlockingWaitStrategy.java and parts of Util.java

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FOURTH-PARTY DEPENDENCY #20 NAME : org.apache.tomcat.embed:tomcat-embed-core

FOURTH-PARTY DEPENDENCY #21 NAME : org.apache.tomcat.embed:tomcat-embed-el

FOURTH-PARTY DEPENDENCY #22 NAME : org.apache.tomcat.embed:tomcat-embed-websocket

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- javaee_5.xsd

- javaee_web_services_1_2.xsd

- javaee_web_services_client_1_2.xsd

- javaee_6.xsd - javaee_web_services_1_3.xsd

- javaee_web_services_client_1_3.xsd

- jsp_2_2.xsd - web-app_3_0.xsd

- web-common_3_0.xsd - web-fragment_3_0.xsd

- javaee_7.xsd - javaee_web_services_1_4.xsd

- javaee_web_services_client_1_4.xsd

- jsp_2_3.xsd - web-app_3_1.xsd

- web-common_3_1.xsd

- web-fragment_3_1.xsd

- javaee_8.xsd - web-app_4_0.xsd

- web-common_4_0.xsd

- web-fragment_4_0.xsd may be obtained from:

http://www.oracle.com/webfolder/technetwork/jsc/xml/ns/javaee/index.html

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org.slf4j:slf4j-api

org.slf4j:jul-to-slf4j

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org.springframework.data:spring-data-rest-core

org.springframework.data:spring-data-rest-webmvc

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org.springframework:spring-aop

org.springframework:spring-beans

org.springframework:spring-context

org.springframework:spring-core

org.springframework:spring-expression

org.springframework:spring-jcl

org.springframework:spring-tx

org.springframework:spring-web

org.springframework:spring-webmvc

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Google GSON, Version 2.9.1

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GSON 2.10.1

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    h5py needs "numpy"
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Files: numpy/core/src/multiarray/dragon4.c
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Niklas von Hertzen

niklasvh/html2canvas 1.4.0

-- css-line-break

-- utrie

-- base64-arraybuffer

-- text-segmentation

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css-line-break

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base64-arraybuffer

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text-segmentation

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utrie

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HttpComponents HttpClient, version 4.5.14

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HTTP Signatures Java Client, version 1.8

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https://github.com/tomitribe/http-signatures-java/blob/tomitribe-http-signatures-1.8/src/main/java/org/tomitribe/auth/signatures/Signatures.java

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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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It is currently developed by a community of developers.

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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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Jakarta Restful Web Services JAX-RS API, version 3.1.0

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* https://github.com/eclipse-ee4j/jaxrs-api

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Fourth Party Dependencies

Jakarta Activation API (JAF) (jakarta.activation:jakarta.activation-api)

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Apache commons-lang (3.5)

License: Apache-2.0
font-awesome (4.7.0)

License: OFL-1.1 AND MIT
jsoup (1.10.2)

License: MIT
JTHarness (5.0)

License: (GPL-2.0 OR GPL-2.0 WITH Classpath-exception-2.0)
Project: https://wiki.openjdk.java.net/display/CodeTools/JT+Harness
Source: http://hg.openjdk.java.net/code-tools/jtharness/
JUnit (4.12)

License: Eclipse Public License
normalize.css (3.0.2)

License: MIT
Project: http://necolas.github.io/normalize.css/
Source: http://necolas.github.io/normalize.css/
SigTest (4.0)

License: GPL-2.0 OR GPL-2.0 WITH Classpath-exception-2.0
Project: https://wiki.openjdk.java.net/display/CodeTools/sigtest
Source: http://hg.openjdk.java.net/code-tools/sigtest/file/c57f97e2ac2f
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---

com.sun.xml.ws:jaxws-tools

com.sun.xml.ws:jaxws-eclipselink-plugin
com.sun.xml.ws:sdo-eclipselink-plugin
com.sun.xml.ws:release-documentation
com.sun.xml.ws:samples
com.sun.xml.ws:jaxws-rt

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Source Code
The project maintains the following source code repositories:

https://github.com/eclipse-ee4j/metro-xmlstreambuffer
https://github.com/eclipse-ee4j/metro-policy
https://github.com/eclipse-ee4j/metro-wsit
https://github.com/eclipse-ee4j/metro-mimepull
https://github.com/eclipse-ee4j/metro-ws-test-harness
https://github.com/eclipse-ee4j/metro-package-rename-task
https://github.com/eclipse-ee4j/metro-jax-ws
https://github.com/eclipse-ee4j/metro-saaj
https://github.com/eclipse-ee4j/metro-jwsdp-samples
https://github.com/eclipse-ee4j/jax-rpc-ri
Third-party Content
This project leverages the following third party content.

addressing.xml Version: 2004/10 (n/a)

License: W3C
Project: https://www.w3.org/Submission/ws-addressing/

Source: http://schemas.xmlsoap.org/ws/2004/08/addressing/
ant-launcher (1.10.2)

License: Apache-2.0 AND SAX-PD AND W3C
Project: https://ant.apache.org/
Source: http://central.maven.org/maven2/org/apache/ant/ant-launcher/1.10.2/ant-launcher-1.10.2-sources.jar
Apache Ant (1.6)

License: Apache-1.1
Project: https://ant.apache.org/
Source: https://repo1.maven.org/maven2/ant/ant/1.6/ant-1.6-sources.jar
Apache Ant (1.10.2)

License: Apache-2.0 AND W3C AND LicenseRef-Public-Domain
commons-logging (1.1.2)

License: Apache-2.0
Project: https://commons.apache.org/proper/commons-logging/
Source: http://central.maven.org/maven2/commons-logging/commons-logging/1.1.2/commons-logging-1.1.2-sources.jar
JUnit (4.12)

License: Eclipse Public License
maven-core (3.5.2)

License: Apache-2.0
maven-plugin-annotations (3.5.1)

License: Apache-2.0
Project: https://maven.apache.org/plugin-tools/maven-plugin-annotations/project-info.html
Source: https://github.com/apache/maven-plugin-tools/tree/maven-plugin-tools-3.5.1/maven-plugin-annotations
maven-plugin-api (3.5.2)

License: Apache-2.0
Project: https://maven.apache.org/
Source: https://github.com/apache/maven/tree/master/maven-plugin-api
maven-resolver-api (1.1.1)

License: Apache-2.0
maven-resolver-util (1.1.1)

License: Apache-2.0
maven-settings (3.5.2)

License: Apache-2.0
mex.xsd Version: 2004/09 (n/a)

License: Oasis Style
Project: https://www.w3.org/Submission/WS-MetadataExchange/#appendix-II
Source: http://schemas.xmlsoap.org/ws/2004/09/mex/MetadataExchange.xsd
plexus-utils (3.1.0)

License: Apache- 2.0 or Apache- 1.1 or BSD or Public Domain or Indiana University Extreme! Lab Software License V1.1.1 (Apache 1.1 style)
relaxng-datatype (1.0)

License: New BSD license
stax2-api (4.1)

License: Pending
Project: https://github.com/FasterXML/stax2-api
Source: http://central.maven.org/maven2/org/codehaus/woodstox/stax2-api/4.1/
stax2-api-4.1-sources.jar
testng (6.14.2)

License: Apache-2.0 AND MIT
Project: https://testng.org/doc/index.html
Source: https://github.com/cbeust/testng
woodstox-core-asl (4.4.1)

License: Apache-2.0
woodstox-core-asl (5.1.0)

License: Apache-2.0
Project: https://github.com/FasterXML/woodstox
Source: https://github.com/FasterXML/woodstox
ws-addr.wsd (1.0)

License: W3C
Project: https://www.w3.org/2005/08/addressing/
Source: https://www.w3.org/2006/03/addressing/ws-addr.xsd
wsat.xsd Version: 2004/10 (n/a)

License: Oasis Style
Project: http://schemas.xmlsoap.org/ws/2004/10/wsat/
Source: http://schemas.xmlsoap.org/ws/2004/10/wsat/wsat.xsd
wscoor.xsd (1.0)

License: OASIS Style
wscoor.xsd (1.1)

License: Oasis (Custom)
Project: http://docs.oasis-open.org/ws-tx/wscoor/2006/06
Source: http://docs.oasis-open.org/ws-tx/wscoor/2006/06/wstx-wscoor-1.1-
schema-200701.xsd
wsrm Version: 2005/02 (n/a)

License: Oasis (Custom)
Project: http://schemas.xmlsoap.org/ws/2005/02/rm/
Source: http://schemas.xmlsoap.org/ws/2005/02/rm/wsrm.xsd;%20http://
schemas.xmlsoap.org/ws/2005/02/rm/wsrm-policy.xsd
wsrm.xsd (1.2)

License: Oasis
wstx-wsat.xsd (1.1)

License: Oasis (Custom)
xmlsec (1.5.8)

License: Apache-2.0
Project: http://santuario.apache.org/
Source: https://repo1.maven.org/maven2/org/apache/santuario/xmlsec/1.5.8/
xmlsec-1.5.8-sources.jar

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org.eclipse.persistence:org.eclipse.persistence.core
org.eclipse.persistence:org.eclipse.persistence.sdo

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https://github.com/eclipse-ee4j/eclipselink
https://github.com/eclipse-ee4j/eclipselink-workbench
https://github.com/eclipse-ee4j/eclipselink-oracleddlparser
https://github.com/eclipse-ee4j/eclipselink-examples
https://git.eclipse.org/r/plugins/gitiles/eclipselink/eclipselink.releng
https://git.eclipse.org/r/plugins/gitiles/eclipselink/eclipselink.runtime
https://git.eclipse.org/r/plugins/gitiles/eclipselink/eclipselink.utils.temp
https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples
https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples/mysports
https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples/nosql
https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples/performance
https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples/temporal
https://git.eclipse.org/r/plugins/gitiles/eclipselink/incubator
https://git.eclipse.org/r/plugins/gitiles/eclipselink/javax.persistence
https://git.eclipse.org/r/plugins/gitiles/eclipselink/oracleddlparser
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This project leverages the following third party content.

Service Data Objects (SDO) (2.1)

License: OSOA SDO License

Activation Framework (1.1)

License: Common Development and Distribution License
ANTLR (3.0)

License: New BSD license
ANTLR Runtime only (3.5.2)

License: New BSD License
Project: http://www.antlr3.org/
Source: http://repo1.maven.org/maven2/org/antlr/antlr-runtime/3.5.2/antlr-runtime-3.5.2-sources.jar
ANTLR Runtime only: Version (3.2)

License: New BSD license
Apache Ant (1.7.0)

License: Apache License, 2.0
Apache Ant (1.10.7)

License: Apache-2.0 AND W3C AND LicenseRef-Public-Domain
Apache Ant (1.10.7)

License: Apache-2.0 AND W3C AND LicenseRef-Public-Domain
Apache Geronimo Jaxws 2.1 Spec (1.0)

License: Apache License, 2.0
Apache Java Servlet API (2.4)

License: Apache License, 2.0
atinject (Package javax.inject) (1.0)

License: Apache License, 2.0
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License: Apache License, 2.0
Bean Validation API (1.0)

License: Apache License, 2.0
Source: http://anonsvn.jboss.org/repos/hibernate/beanvalidation/trunk/validation-api/
Bean Validation API (1.0.0)

License: Apache License, 2.0
Project: http://repository.jboss.com/maven2/javax/validation/validation-api/1.0.0.GA/
Source: http://repository.jboss.com/maven2/javax/validation/validation-api/1.0.0.GA/
Bean Validation API (1.1.0)

License: Apache License, 2.0
Project: http://beanvalidation.org/
Bean Validation API (2.0.1)

License: Apache-2.0

Project: http://beanvalidation.org/
Source: https://github.com/beanvalidation/beanvalidation-api/releases/tag/2.0.1.Final
bnd (0.0.351)

License: Apache License, 2.0
Project: http://sourceforge.net/projects/bnd/
Source: http://sourceforge.net/projects/bnd/
cdi-api (1.0)

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

License: Apache-2.0
Project: http://www.cdi-spec.org/
Source: http://repo1.maven.org/maven2/javax/enterprise/cdi-api/2.0/cdi-api-2.0-sources.jar
Classmate library (1.0.0)

License: Apache License, 2.0
Project: http://github.com/cowtowncoder/java-classmate
Source: https://github.com/cowtowncoder/java-classmate/archive/classmate-1.0.0.tar.gz
commons-logging-1.1.1.jar (1.1.1)

License: Apache License, 2.0
Project: http://commons.apache.org/logging/
Source: http://apache.siamwebhosting.com/commons/logging/binaries/commons-logging-1.1.1-bin.zip
EJB (3.0)

License: Common Development and Distribution License
Project: http://java.sun.com/products/ejb/
ejb-api (3.1.1)

License: Common Development and Distribution License
Expression Language API (2.2)

License: Common Development and Distribution License, Apache 2.0 License
Project: https://uel.java.net/
Source: http://download.java.net/maven/2/javax/el/el-api/2.2/el-api-2.2-sources.jar
Expression Language Implementation (2.2.2)

License: Common Development and Distribution License
Project: https://uel.java.net/
Source: http://search.maven.org/remotecontent?filepath=org/glassfish/web/javax.el/2.2.2/javax.el-2.2.2-sources.jar
geronimo activation (1.1)

License: Apache License, 2.0
glassfish-corba-orb (4.2.0)

License: CDDL-1.1 OR GPL-2.0 With Classpath-exception-2.0
gmbal (4.0.0)

License: (CDDL-1.1 OR GPL-2.0 OR GPL-2.0 WITH Classpath-exception-2.0) AND Apache-2.0

Project: https://javaee.github.io/gmbal/
Source: https://github.com/javaee/gmbal
gmbal-api (3.2.0)

License: CDDL-1.1 or GPL-2.0 OR GPL-2.0 WITH Classpath-exception-2.0
Project: https://javaee.github.io/gmbal/
Source: https://github.com/javaee/gmbal
gmbal-pfl basic_4.0.1.b003 (4.0.1)

License: (CDDL-1.1 OR GPL-2.0 OR GPL-2.0 WITH Classpath-exception-2.0) AND
Apache-2.0 AND BSD-3-Clause
hk2-api (2.3.0)

License: Common Development and Distribution License
hk2-locator (2.3.0)

License: Common Development and Distribution License
hk2-utils (2.3.0)

License: (CDDL-1.1 OR GPL-2.0 WITH Classpath-exception-2.0)
Java API for JSON Processing JSR-353 (JSON-P) (0.0.99)

License: Common Development and Distribution License
Project: http://json-processing-spec.java.net
Source: http://java.net/projects/jsonp
Java API for JSON Processing JSR-353 (JSON-P) (1.0)

License: Common Development and Distribution License
Project: http://jsonp.java.net/
Source: http://search.maven.org/remotecontent?filepath=javax/json/javax.json-
api/1.0/javax.json-api-1.0-sources.jar
Java API for JSON Processing RI JSR-353 (1.0)

License: Common Development and Distribution License
Project: http://jsonp.java.net/
Source: http://search.maven.org/remotecontent?filepath=org/glassfish/
javax.json/1.0/javax.json-1.0-sources.jar
Java Transaction (JTA) (1.1)

License: Common Development and Distribution License
Java Transaction API (1.3)

License: (CDDL-1.1 OR GPL-2.0-only OR GPL-2.0-only WITH classpath-exception-2.0)
JavaCC (5.0)

License: New BSD License
JavaMail (1.4)

License: Common Development and Distribution License
Javax.annotation (1.2)

License: Common Development and Distribution License
Javax.interceptor API (1.2)

License: Common Development and Distribution License 1.1
javax.json (1.0.4)

License: Common Development and Distribution License

Project: https://jsonp.java.net
Source: http://central.maven.org/maven2/org/glassfish/javax.json/1.0.4/
javax.json-1.0.4-sources.jar
javax.json.bind-api (1.0)

License: Common Development and Distribution License
Project: https://java.net/projects/jsonb-spec/pages/Home
Source: https://java.net/projects/jsonb-spec/sources/git/show
javax.ws.rs (2.0.1)

License: Common Development and Distribution License, + 1 file partial ASL
JAX-RS (JSR311) API (1.1.1)

License: Common Development and Distribution License
Project: https://jsr311.dev.java.net/
Source: http://download.java.net/maven/2/javax/ws/rs/jsr311-api/1.1/jsr311-
api-1.1-sources.jar
JAXB (2.1.9)

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JAXB (2.1.12)

License: BSD, Apache 2.0, CDDL, Public Domain, MIT License, Apache 1.1
JAXB 2.0 Reference Implementation (jaxb-impl.jar) (2.0.5)

License: Common Development and Distribution License
JAXB IMPL (2.1.12)

License: Common Development and Distribution License
Project: https://jaxb.dev.java.net/2.1.12/
Source: https://jaxb.dev.java.net/2.1.12/JAXB2_20090708.jar
JAXB 2.0 XJC (2.0.5)

License: Common Development and Distribution License
JAXB 2.2 API (Binary only) (2.2)

License: Common Development and Distribution License
Project: https://jaxb.dev.java.net/2.2/
Source: https://jaxb.dev.java.net/2.2/JAXB2_20091104.jar
JAXB 2.2 Impl (Binary only) (2.2)

License: Common Development and Distribution License
JAXB 2.2 XJC (Binary) (2.2)

License: BSD, CDDL, Public Domain
Project: https://jaxb.dev.java.net/2.2/
Source: https://jaxb.dev.java.net/2.2/JAXB2_20091104.jar
JAXB API (2.2.12)

License: Common Development and Distribution License
Project: https://jaxb.java.net/
Source: https://maven.java.net/service/local/artifact/maven/redirect?
r=metro-388&g=javax.xml.bind&a=jaxb-api&v=2.2.12-b140109.1041&e=jar&c=sources
JAXB API (2.1.12)

License: Common Development and Distribution License
Project: https://jaxb.dev.java.net/2.1.12/
Source: https://jaxb.dev.java.net/2.1.12/JAXB2_20090708.jar
JAXB CORE (2.2.11)

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JAXB CORE (2.2.11)

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Project: https://jaxb.java.net/
Source: https://maven.java.net/service/local/artifact/maven/redirect?
r=metro-535&g=org.glassfish.jaxb&a=jaxb-core&v=2.2.11-M1&e=jar&c=sources
JAXB IMPL (2.2.11)

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JAXB XJC (2.2.11)

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Apache License, 2.0
Project: https://jaxb.java.net/
Source: https://maven.java.net/service/local/artifact/maven/redirect?
r=metro-535&g=org.glassfish.jaxb&a=jaxb-xjc&v=2.2.11-M1&e=jar&c=sources
JAXB-API 2.0 (2.0)

License: Commond Development and Distribution License
jaxrpc.jar (1.1)

License: Common Development and Distribution License
Jaxws-api-2.0.jar (2.0)

License: Common Development and Distribution License
JCA 1.6 (1.6)

License: Common Development and Distribution License
JCA Connector (1.5)

License: Common Development and Distribution License
Jersey Common (2.0)

License: Common Development and Distribution License
Project: http://jersey.java.net/
Source: https://github.com/jersey/jersey
Jersey Core (1.8.0)

License: CDDL, Apache 2.0 (four files)
Jersey Guava Repackaged (2.14)

License: Apache License, 2.0
Jersey Server (2.0)

License: Common Development and Distribution License
Project: http://jersey.java.net/
Source: https://github.com/jersey/jersey
jersey-client (2.14)

License: Common Development and Distribution License
jersey-common (2.14)

License: Common Development and Distribution License
jgroups (4.1.8)

License: Apache-2.0 AND CC-BY-2.5 AND LicenseRef-Public-Domain
JMS (1.1)

License: Common Development and Distribution License
JPA (2.0)

License: Negotiated agreement between Sun and Eclipse (supercedes spec terms)
Project: http://jcp.org/en/jsr/detail?id=317
JPA (Javax Persistence Jar) (1.0)

License: Common Development and Distribution License
Logback Classic (1.0.7)

License: Eclipse Public License
Logback Core (1.0.7)

License: Eclipse Public License
logback-classic (1.3.0)

License: EPL-1.0 OR LGPL-2.1
management-api (3.2.1)

License: (CDDL-1.1 OR GPL-2.0-only OR GPL-2.0-only WITH Classpath-exception-2.0)
Project: https://javaee.github.io/gmbal-commons/
Source: https://github.com/javaee/gmbal-commons
MongoDB Java Driver (2.7.3)

License: Apache License, 2.0, Eclipse Public License (One File)
MongoDB Java Driver (2.10.1)

License: Apache License, 2.0
mongodb java driver (3.2.0)

License: Apache License, 2.0, Creative Commons Attribution License 2.5, Public Domain
Project: https://docs.mongodb.org/ecosystem/drivers/java/
Source: http://central.maven.org/maven2/org/mongodb/mongo-java-driver/3.2.0/mongo-java-driver-3.2.0-sources.jar
mongodb java driver (3.11.2)

License: Apache-2.0 AND MIT AND AND CC-BY-2.5 AND CC0-1.0
opencsv (1.8)

License: Apache License, 2.0
Project: http://opencsv.sourceforge.net/
Source: http://downloads.sourceforge.net/opencsv/opencsv-1.8-src-with-libs.tar.gz?modtime=1185864370&big_mirror=0
oracle-nosql-client (18.3.10)

License: Apache-2.0
org.apache.ant (1.6.5)

License: Apache License, 2.0
Project: http://ant.apache.org/
org.apache.felix.framework (6.0.3)

License: Pending
org.osgi.core (1.2.0)

License: Apache-2.0
org.osgi.core (6.0.0)

License: Apache-2.0
OSGi Enterprise Specification APIs (4.2)

License: Apache License, 2.0
osgi.compendium (4.1.0)

License: Apache License, 2.0
osgi.core (4.1.0)

License: Apache License, 2.0
pax-exam (n/a)

License: Pending
pax-exam-container-forked (4.13.1)

License: Pending
pax-exam-junit4 (4.13.1)

License: Pending
pax-exam-link-mvn (4.13.1)

License: Pending
saaj-api-1.3.jar (1.3)

License: Common Development and Distribution License
sdo Version: SDO (2.1.1)

License: SDO License (Custom)
Project: http://jcp.org/aboutJava/communityprocess/pr/jsr235/index.html
SLF4J API (1.7.2)

License: MIT License
slf4j-api (1.7.30)

License: MIT
slf4j-api (2.0.0)

License: MIT
spring-agent (2.5.3)

License: Apache License, 2.0
Project: http://www.springframework.org
Source: http://downloads.sourceforge.net/springframework/spring-framework-2.5.3-with-dependencies.zip?modtime=1204283106&big_mirror=0
spring-aop (5.2.0)

License: Apache-2.0
spring-beans (5.2.0)

License: Apache-2.0
spring-context (5.2.0)

License: Apache-2.0
spring-core (5.2.0)

License: Apache-2.0 AND BSD-3-Clause
spring-expression (5.2.0)

License: Apache-2.0
spring-instrument (5.2.0)

License: Pending
spring-jcl (5.2.0)

License: Apache-2.0
spring-jdbc (5.2.0)

License: Pending
spring-orm (5.2.0)

License: Pending
spring-test (5.2.0)

License: Apache-2.0 AND BSD-3-Clause AND LicenseRef-Public-Domain
spring-tx (5.2.0)

License: Pending
StAX-API.Jar (1.0.1)

License: Apache License, 2.0
wsdl4j (1.6.2)

License: Common Public License 1.0
Xerces (2.9.0)

License: Apache License, 2.0
Xerces (2.12.0)

License: Apache-2.0 AND W3C-19980720
Project: http://xerces.apache.org/xerces2-j/
Source: https://svn.apache.org/repos/asf/xerces/java/tags/Xerces-J_2_12_0/
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus

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

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jetty-http2-server 12.0.12

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jetty-plus 12.0.6

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The project maintains the following source code repositories:

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Jinja2 3.1.4

Armin Ronacher

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JNA 5.14.0

Timothy Wall

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___
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        "attrs" doesn't have any dependencies
    jsonschema needs "importlib-resources"
        "importlib-resources" needs "zipp"
            "zipp" doesn't have any dependencies
    jsonschema needs "pyrsistent"
        "pyrsistent" doesn't have any dependencies
```

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json-smart 2.5.1

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(v0.6.0)
   *
   * Author: Dominik Homberger (dominik.homberger@gmail.com)
   */
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 * @author Stoyan Stefanov
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its purpose remains meaningful.

(For example, a function in a library to compute square roots has
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---------- Separator ----------

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

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lie

https://github.com/calvinmetcalf/lie/releases/tag/v3.3.0

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immediate

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set-immediate-shim

https://github.com/sindresorhus/set-immediate-shim

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readable-stream

https://github.com/nodejs/readable-stream

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inherits

https://github.com/isaacs/inherits

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string_decoder

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safe-buffer

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util-deprecate

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core-util-is

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isarray

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process-nextick-args

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jul-to-slf4j 2.0.7

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jul-to-slf4j

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Fourth Party Dependency

slf4j-api

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---

lifelines 0.29.0

Cameron Davidson-Pilon

package_name: lifelines
license_type: MIT License
license_text:
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lifelines has dependencies on following libraries:

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        "autograd" needs "numpy"
            "numpy" has bundled license that are included below
    lifelines needs "autograd-gamma"
        "autograd-gamma" needs "autograd"

```
        "autograd" needs "numpy"
            "numpy" has bundled license that are included below
    "autograd-gamma" needs "scipy"
        "scipy" needs "numpy"
            "numpy" has bundled license that are included below
  "scipy" has bundled license that are included below
lifelines needs "formulaic"
    "formulaic" needs "interface-meta"
        "interface-meta" doesn't have any dependencies
    "formulaic" needs "numpy"
        "numpy" has bundled license that are included below
    "formulaic" needs "pandas"
        "pandas" needs "numpy"
            "numpy" has bundled license that are included below
        "pandas" needs "python-dateutil"
            "python-dateutil" needs "six"
                "six" doesn't have any dependencies
        "pandas" needs "pytz"
            "pytz" doesn't have any dependencies
        "pandas" needs "tzdata"
            "tzdata" doesn't have any dependencies
    "formulaic" needs "scipy"
        "scipy" needs "numpy"
            "numpy" has bundled license that are included below
  "scipy" has bundled license that are included below
    "formulaic" needs "typing_extensions"
        "typing_extensions" doesn't have any dependencies
    "formulaic" needs "wrapt"
        "wrapt" doesn't have any dependencies
lifelines needs "matplotlib"
    "matplotlib" needs "contourpy"
        "contourpy" needs "numpy"
            "numpy" has bundled license that are included below
    "matplotlib" needs "cycler"
        "cycler" doesn't have any dependencies
    "matplotlib" needs "fonttools"
        "fonttools" doesn't have any dependencies
    "matplotlib" needs "kiwisolver"
        "kiwisolver" doesn't have any dependencies
    "matplotlib" needs "numpy"
        "numpy" has bundled license that are included below
    "matplotlib" needs "packaging"
        "packaging" doesn't have any dependencies
    "matplotlib" needs "pillow"
        "pillow" doesn't have any dependencies
    "matplotlib" needs "pyparsing"
        "pyparsing" doesn't have any dependencies
    "matplotlib" needs "python-dateutil"
        "python-dateutil" needs "six"
            "six" doesn't have any dependencies
lifelines needs "numpy"
    "numpy" has bundled license that are included below
lifelines needs "pandas"
    "pandas" needs "numpy"
        "numpy" has bundled license that are included below
    "pandas" needs "python-dateutil"
        "python-dateutil" needs "six"
            "six" doesn't have any dependencies
```

```
        "pandas" needs "pytz"
            "pytz" doesn't have any dependencies
        "pandas" needs "tzdata"
            "tzdata" doesn't have any dependencies
    lifelines needs "scipy"
        "scipy" needs "numpy"
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```

```
______
package_name: autograd
license_type: MIT License
license_text:
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Name: dragon4
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/*
 * This file contains a modified version of Ryan Juckett's Dragon4
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 *
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 */


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Name: libdivide
Files: numpy/_core/include/numpy/libdivide/*
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Files: .spin/cmds.py
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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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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

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The ziggurat methods were derived from Julia.

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Name: L-BFGS-B
Files: scipy/optimize/lbfgsb/*
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  From the website for the L-BFGS-B code (from at
http://www.ece.northwestern.edu/~nocedal/lbfgsb.html):

"""
L-BFGS-B is a limited-memory quasi-Newton code for bound-constrained
optimization, i.e. for problems where the only constraints are of the
form l<= x <= u.
"""

This is a Python wrapper (using F2PY) written by David M. Cooke
<cookedm@physics.mcmaster.ca> and released as version 0.9 on April 9, 2004.
The wrapper was slightly modified by Joonas Paalasmaa for the 3.0 version
in March 2012.

License of L-BFGS-B (Fortran code)
==================================

The version included here (in lbfgsb.f) is 3.0 (released April 25, 2011). It was
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  References
    * R. H. Byrd, P. Lu and J. Nocedal. A Limited Memory Algorithm for Bound
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      Statistical Computing, 16, 5, pp. 1190-1208.
    * C. Zhu, R. H. Byrd and J. Nocedal. L-BFGS-B: Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (1997),
      ACM Transactions on Mathematical Software, 23, 4, pp. 550 - 560.
    * J.L. Morales and J. Nocedal. L-BFGS-B: Remark on Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (2011),
      ACM Transactions on Mathematical Software, 38, 1.

```
  """

The Python wrapper
==================

This code uses F2PY (http://cens.ioc.ee/projects/f2py2e/) to generate
the wrapper around the Fortran code.

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Example usage
=============

An example of the usage is given at the bottom of the lbfgsb.py file.
Run it with 'python lbfgsb.py'.

License for the Python wrapper
==============================

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

In May 2000, Guido and the Python core development team moved to
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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
2.1.2	2.1.1	2002	PSF	yes
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Portions of code from MODP_ASCII - Ascii transformations (upper/lower, etc)
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Python was created in the early 1990s by Guido van Rossum at Stichting
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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.
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All Python releases are Open Source (see https://opensource.org for
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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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logback-classic 1.5.6

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logback-classic 1.5.8

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

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logback-core 1.4.14

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

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

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
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logback-core 1.5.6

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

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

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

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library

already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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Version 2.1, February 1999

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 MAPIE 0.8.6 has dependencies on following libraries:
    MAPIE needs "numpy"
```

```
        "numpy" has bundled licenses that are included below
    MAPIE needs "packaging"
        "packaging" doesn't have any dependencies
    MAPIE needs "scikit-learn"
        "scikit-learn" needs "joblib"
            "joblib" doesn't have any dependencies
        "scikit-learn" needs "numpy"
            "numpy" has bundled licenses that are included below
        "scikit-learn" needs "scipy"
            "scipy" needs "numpy"
                "numpy" has bundled licenses that are included below
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        "scikit-learn" needs "threadpoolctl"
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    MAPIE needs "scipy"
        "scipy" needs "numpy"
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```
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 */
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 *
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 */
--------------------------------------------------------------------------------
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https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083
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L-BFGS-B is a limited-memory quasi-Newton code for bound-constrained
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  * C. Zhu, R. H. Byrd and J. Nocedal. L-BFGS-B: Algorithm 778: L-BFGS-B,
    FORTRAN routines for large scale bound constrained optimization (1997),
    ACM Transactions on Mathematical Software, 23, 4, pp. 550 - 560.
  * J.L. Morales and J. Nocedal. L-BFGS-B: Remark on Algorithm 778: L-BFGS-B,
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Jonathan Halterman

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Authors of snowball arabic stemmer algorithm

- Assem Chelli
- Abdelkrim Aries
- Lakhdar Benzahia

---

nltk has dependencies on following libraries:

```
    nltk needs "click"
        "click" needs "importlib-metadata"
            "importlib-metadata" needs "typing-extensions"
                "typing-extensions" doesn't have any dependencies
            "importlib-metadata" needs "zipp"
                "zipp" doesn't have any dependencies
    nltk needs "joblib"
        "joblib" doesn't have any dependencies
    nltk needs "regex"
        "regex" doesn't have any dependencies
    nltk needs "tqdm"
        "tqdm" doesn't have any dependencies
```

---

package_name: click
license_type: BSD License
copyright: Copyright 2014 Pallets
license_text:
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Python was created in the early 1990s by Guido van Rossum at Stichting
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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
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Release	Derived from	Year	Owner	GPL-compatible? (1)
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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	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
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Nimbus OAuth 2.0 SDK with OpenID Connect extensions 11.6

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numba 0.60.0

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In 1995, Guido continued his work on Python at the Corporation for
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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
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Name: core/src/common/npy_cpuinfo_parser.h

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

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

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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.

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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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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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numpy 2.1.0 doesn't have any dependencies

NumPy 2.1.1

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--------------------------------------------------------------------------------
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Files: numpy/_core/src/multiarray/dragon4.c
License: MIT
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 */

/*
 * This file contains a modified version of Ryan Juckett's Dragon4
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 *
 * Ryan Juckett's original code was under the Zlib license; he gave numpy
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 */


--------------------------------------------------------------------------------
Name: libdivide
Files: numpy/_core/include/numpy/libdivide/*
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Files: vendored-meson/meson/*
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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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PCG Random Number Generation for C.

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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.

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The ziggurat methods were derived from Julia.

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NOTICE_Modifications:

Changes to original Implementation:

ADD methods:
  Optional<IOException> getException()
  to get the exception stored by ICSVWriter, AbstractCSVWriter or CSVWriter

  void resetError()

```
  to reset the exception stored by ICSVWriter, AbstractCSVWriter or CSVWriter

ADD Test-Cases:
    getExceptionReturnsException()
    getExceptionReturnsExceptionUsingPrintWriter()
    resetException()
    resetError()

    to test the added methods


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pandas, version 2.0.3

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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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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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pako

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core-util-is

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process-nextick-args

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string_decoder
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util-deprecate

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setimmediate
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Prophet 1.1.5

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 prophet 1.1.5 has dependencies on following libraries:

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        "cmdstanpy" needs "numpy"
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        "cmdstanpy" needs "pandas"
            "pandas" needs "numpy"
                "numpy" has bundled license that are included below
            "pandas" needs "python-dateutil"
                "python-dateutil" needs "six"
                    "six" doesn't have any dependencies
            "pandas" needs "pytz"
                "pytz" doesn't have any dependencies
            "pandas" needs "tzdata"
                "tzdata" doesn't have any dependencies
        "cmdstanpy" needs "stanio"
            "stanio" needs "numpy"
                "numpy" has bundled license that are included below
        "cmdstanpy" needs "tqdm"
            "tqdm" doesn't have any dependencies
    prophet needs "holidays"
        "holidays" needs "python-dateutil"
            "python-dateutil" needs "six"
                "six" doesn't have any dependencies
    prophet needs "importlib_resources"
        "importlib_resources" doesn't have any dependencies
    prophet needs "matplotlib"
        "matplotlib" needs "contourpy"
            "contourpy" needs "numpy"
                "numpy" has bundled license that are included below
        "matplotlib" needs "cycler"
            "cycler" doesn't have any dependencies
        "matplotlib" needs "fonttools"
            "fonttools" doesn't have any dependencies
        "matplotlib" needs "kiwisolver"
            "kiwisolver" doesn't have any dependencies
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            "packaging" doesn't have any dependencies
        "matplotlib" needs "pillow"
            "pillow" doesn't have any dependencies
        "matplotlib" needs "pyparsing"
            "pyparsing" doesn't have any dependencies
        "matplotlib" needs "python-dateutil"
            "python-dateutil" needs "six"
                "six" doesn't have any dependencies
    prophet needs "numpy"
        "numpy" has bundled license that are included below
    prophet needs "pandas"
        "pandas" needs "numpy"
            "numpy" has bundled license that are included below
        "pandas" needs "python-dateutil"
            "python-dateutil" needs "six"
```

```
                "six" doesn't have any dependencies
        "pandas" needs "pytz"
            "pytz" doesn't have any dependencies
        "pandas" needs "tzdata"
            "tzdata" doesn't have any dependencies
    prophet needs "tqdm"
        "tqdm" doesn't have any dependencies
```

```
______
package_name: cmdstanpy
license_type: BSD License
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 * modifications specific to printing floats in numpy.
 *
```

```
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 */


--------------------------------------------------------------------------------
Name: libdivide
Files: numpy/_core/include/numpy/libdivide/*
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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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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

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The ziggurat methods were derived from Julia.

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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
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All Python releases are Open Source (see https://opensource.org for
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releases have also been GPL-compatible; the table below summarizes
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    Release   Derived   Year   Owner   GPL-
                    from   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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Portions of code from MODP_ASCII - Ascii transformations (upper/lower, etc)
https://github.com/client9/stringencoders

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----------
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numpy/core/src/multiarray/multiarraymodule.c#L2910
```

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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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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.

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The ziggurat methods were derived from Julia.

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Name: Random

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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, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
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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
2.1.2	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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Different licenses apply to different files in this package. Here
is a rough summary of which licenses apply to which parts of this
package (but check the individual files to be sure!):

  - liblzma is in the public domain.

  - xz, xzdec, and lzmadec command line tools are in the public
    domain unless GNU getopt_long had to be compiled and linked
    in from the lib directory. The getopt_long code is under
    GNU LGPLv2.1+.

  - The scripts to grep, diff, and view compressed files have been
    adapted from gzip. These scripts and their documentation are
    under GNU GPLv2+.

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  - Translated messages are in the public domain.

  - The build system contains public domain files, and files that
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  - Test files and test code in the tests directory, and debugging
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pytorch-lightning 2.4.0

William Falcon et al.

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pytorch-lightning needs "fsspec"
"fsspec" doesn't have any dependencies

```
pytorch-lightning needs "lightning-utilities"
    "lightning-utilities" needs "packaging"
        "packaging" doesn't have any dependencies
    "lightning-utilities" needs "setuptools"
        "setuptools" doesn't have any dependencies
    "lightning-utilities" needs "typing_extensions"
        "typing_extensions" doesn't have any dependencies
pytorch-lightning needs "packaging"
    "packaging" doesn't have any dependencies
pytorch-lightning needs "PyYAML"
    "PyYAML" doesn't have any dependencies
pytorch-lightning needs "torch"
    "torch" needs "filelock"
        "filelock" doesn't have any dependencies
    "torch" needs "fsspec"
        "fsspec" doesn't have any dependencies
    "torch" needs "Jinja2"
        "Jinja2" needs "MarkupSafe"
            "MarkupSafe" doesn't have any dependencies
    "torch" needs "networkx"
        "networkx" doesn't have any dependencies
    "torch" needs "sympy"
        "sympy" needs "mpmath"
            "mpmath" doesn't have any dependencies
    "torch" needs "typing_extensions"
        "typing_extensions" doesn't have any dependencies
pytorch-lightning needs "torchmetrics"
    "torchmetrics" needs "lightning-utilities"
        "lightning-utilities" needs "packaging"
            "packaging" doesn't have any dependencies
        "lightning-utilities" needs "setuptools"
            "setuptools" doesn't have any dependencies
        "lightning-utilities" needs "typing_extensions"
            "typing_extensions" doesn't have any dependencies
    "torchmetrics" needs "numpy"
        "numpy" has bundled license that are included in the LT

    "torchmetrics" needs "packaging"
        "packaging" doesn't have any dependencies
    "torchmetrics" needs "torch"
        "torch" needs "filelock"
            "filelock" doesn't have any dependencies
        "torch" needs "fsspec"
            "fsspec" doesn't have any dependencies
        "torch" needs "Jinja2"
            "Jinja2" needs "MarkupSafe"
                "MarkupSafe" doesn't have any dependencies
        "torch" needs "networkx"
            "networkx" doesn't have any dependencies
        "torch" needs "sympy"
            "sympy" needs "mpmath"
                "mpmath" doesn't have any dependencies
        "torch" needs "typing_extensions"
            "typing_extensions" doesn't have any dependencies
pytorch-lightning needs "tqdm"
    "tqdm" doesn't have any dependencies
pytorch-lightning needs "typing_extensions"
    "typing_extensions" doesn't have any dependencies
```

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

In 1995, Guido continued his work on Python at the Corporation for
```

National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

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

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Release	Derived from	Year	Owner	GPL-compatible? (1)
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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	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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Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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  For details, see the files concatenated below: third_party/fbgemm/third_party/
cpuinfo/deps/clog/LICENSE,
     third_party/cpuinfo/deps/clog/LICENSE

Name: colorama
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Files: third_party/kineto/libkineto/third_party/dynolog/third_party/DCGM/testing/
python3/libs_3rdparty/colorama

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third_party/dynolog/third_party/DCGM/testing/python3/libs_3rdparty/colorama/
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License: MIT
Files: third_party/cpp-httplib
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Name: cpplint
License: BSD-3-Clause
Files: third_party/kineto/libkineto/third_party/dynolog/third_party/json/
third_party/cpplint,
third_party/nlohmann/tools/cpplint
For details, see the files concatenated below: third_party/kineto/libkineto/
third_party/dynolog/third_party/json/third_party/cpplint/LICENSE,
third_party/nlohmann/tools/cpplint/LICENSE

Name: cpr
License: MIT
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third_party/cpuinfo
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Files: third_party/cudnn_frontend
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Name: cutlass
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third_party/cutlass
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License: Apache-2.0
Files: third_party/flatbuffers/dart
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Name: doctest
License: MIT
Files: third_party/kineto/libkineto/third_party/dynolog/third_party/json/test/
thirdparty/doctest,
third_party/nlohmann/tests/thirdparty/doctest
For details, see the files concatenated below: third_party/kineto/libkineto/

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     third_party/nlohmann/tests/thirdparty/doctest/LICENSE.txt

Name: duktape-1.5.2
License: MIT
Files: third_party/opentelemetry-cpp/third_party/prometheus-cpp/3rdparty/
civetweb/src/third_party/duktape-1.5.2
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Name: duktape-1.8.0
License: MIT
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License: MIT
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third_party/dynolog/LICENSE

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License: MIT
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exporters/etw
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Name: expected
License: MIT
Files: third_party/opentelemetry-cpp/third_party/opentracing-cpp/3rd_party/
include/opentracing/expected
  For details, see the files concatenated below: third_party/opentelemetry-cpp/
third_party/opentracing-cpp/3rd_party/include/opentracing/expected/LICENSE

Name: fbgemm
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Name: ffnvcodec
License: MIT with exception
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Name: flatbuffers
License: Apache-2.0
Files: third_party/flatbuffers

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  For details, see the files concatenated below: third_party/flatbuffers/LICENSE

Name: fmt
License: MIT with exception
Files: third_party/fmt,
     third_party/kineto/libkineto/third_party/fmt,
     third_party/kineto/libkineto/third_party/dynolog/third_party/fmt
  For details, see the files concatenated below: third_party/fmt/LICENSE,
     third_party/kineto/libkineto/third_party/fmt/LICENSE.rst,
     third_party/kineto/libkineto/third_party/dynolog/third_party/fmt/LICENSE.rst

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License: MIT
Files: third_party/foxi
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Files: third_party/gemmlowp/gemmlowp
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License: Apache-2.0
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Files: third_party/gloo
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Files: third_party/tensorpipe/third_party/googletest/googlemock,
     third_party/fbgemm/third_party/googletest/googlemock,
     third_party/kineto/libkineto/third_party/googletest/googlemock,
     third_party/protobuf/third_party/googletest/googlemock
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     third_party/kineto/libkineto/third_party/googletest/googlemock/LICENSE,
     third_party/protobuf/third_party/googletest/googlemock/LICENSE

Name: googletest
License: BSD-3-Clause
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  For details, see the files concatenated below: third_party/tensorpipe/
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Name: irrlicht
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Files: third_party/opentelemetry-cpp/tools/vcpkg/ports/irrlicht
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Files: third_party/tensorpipe/third_party/libnop
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third_party/libnop/LICENSE

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Files: third_party/miniz-2.1.0
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License: Apache-2.0
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TraceLogging Dynamic for Windows

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```
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 *
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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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PCG Random Number Generation for C.

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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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The ziggurat methods were derived from Julia.

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Quartz Job Scheduler, version 2.3.2

Terracota

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The following fourth party dependency use the same Apache 2.0 license:
com.mchange:c3p0
com.mchange:mchange-commons-java
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Quartz Job Scheduler 2.5.0-rc1

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Redis, version 6.2.11

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resilience4j-annotations 2.1.0

Robert Winkler and Bohdan Stotozhuk

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ruptures 1.1.9

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```
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  /*
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 *
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 *
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 */


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Files: numpy/_core/include/numpy/libdivide/*
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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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The ziggurat methods were derived from Julia.

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```
  From the website for the L-BFGS-B code (from at
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"""
L-BFGS-B is a limited-memory quasi-Newton code for bound-constrained
optimization, i.e. for problems where the only constraints are of the
form l<= x <= u.
"""

This is a Python wrapper (using F2PY) written by David M. Cooke
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The wrapper was slightly modified by Joonas Paalasmaa for the 3.0 version
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    * C. Zhu, R. H. Byrd and J. Nocedal. L-BFGS-B: Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (1997),
      ACM Transactions on Mathematical Software, 23, 4, pp. 550 - 560.
    * J.L. Morales and J. Nocedal. L-BFGS-B: Remark on Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (2011),
      ACM Transactions on Mathematical Software, 38, 1.
  """

The Python wrapper
==================

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Example usage
=============

An example of the usage is given at the bottom of the lbfgsb.py file.
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C.B. Barber
Arlington, MA

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scikit-learn 1.5.1

scikit-learn developers

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        "joblib" doesn't have any dependencies
    scikit-learn needs "numpy"
        "numpy" has bundled license that are included below
    scikit-learn needs "scipy"
        "scipy" needs "numpy"
            "numpy" has bundled license that are included below
    scikit-learn needs "threadpoolctl"
        "threadpoolctl" doesn't have any dependencies
```

```
______
package_name: joblib
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/*
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 *
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 */


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

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Files: scipy/optimize/lbfgsb/*
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  From the website for the L-BFGS-B code (from at
http://www.ece.northwestern.edu/~nocedal/lbfgsb.html):

"""
L-BFGS-B is a limited-memory quasi-Newton code for bound-constrained optimization, i.e. for problems where the only constraints are of the form l<= x <= u.

```
"""

This is a Python wrapper (using F2PY) written by David M. Cooke
<cookedm@physics.mcmaster.ca> and released as version 0.9 on April 9, 2004.
The wrapper was slightly modified by Joonas Paalasmaa for the 3.0 version
in March 2012.

License of L-BFGS-B (Fortran code)
==================================

The version included here (in lbfgsb.f) is 3.0 (released April 25, 2011). It was
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    * R. H. Byrd, P. Lu and J. Nocedal. A Limited Memory Algorithm for Bound
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    * C. Zhu, R. H. Byrd and J. Nocedal. L-BFGS-B: Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (1997),
      ACM Transactions on Mathematical Software, 23, 4, pp. 550 - 560.
    * J.L. Morales and J. Nocedal. L-BFGS-B: Remark on Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (2011),
      ACM Transactions on Mathematical Software, 38, 1.
  """

The Python wrapper
==================

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Example usage
=============

An example of the usage is given at the bottom of the lbfgsb.py file.
Run it with 'python lbfgsb.py'.

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"""

This is a Python wrapper (using F2PY) written by David M. Cooke
<cookedm@physics.mcmaster.ca> and released as version 0.9 on April 9, 2004.
The wrapper was slightly modified by Joonas Paalasmaa for the 3.0 version
in March 2012.

License of L-BFGS-B (Fortran code)
==================================

The version included here (in lbfgsb.f) is 3.0 (released April 25, 2011). It was
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    * R. H. Byrd, P. Lu and J. Nocedal. A Limited Memory Algorithm for Bound
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      Statistical Computing, 16, 5, pp. 1190-1208.
    * C. Zhu, R. H. Byrd and J. Nocedal. L-BFGS-B: Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (1997),
      ACM Transactions on Mathematical Software, 23, 4, pp. 550 - 560.
    * J.L. Morales and J. Nocedal. L-BFGS-B: Remark on Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (2011),
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The Python wrapper
==================

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Example usage
=============

An example of the usage is given at the bottom of the lbfgsb.py file.
Run it with 'python lbfgsb.py'.

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Name: libquadmath
Files: scipy/.dylibs/libquadmath*.so
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    Written by Francois-Xavier Coudert  <fxcoudert@gcc.gnu.org>

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    scipy needs "numpy"
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---

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-------------------------------------------------------------------------------
--

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Files: numpy/_core/src/multiarray/dragon4.c
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/*
 * This file contains a modified version of Ryan Juckett's Dragon4
 * implementation, obtained from https://www.ryanjuckett.com,
 * which has been ported from C++ to C and which has
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 *
 * Ryan Juckett's original code was under the Zlib license; he gave numpy
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 */


----------------------------------------------------------------------------
Name: libdivide
Files: numpy/_core/include/numpy/libdivide/*
License: Zlib
    zlib License
  ------------

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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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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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sentence-transformers 3.0.0

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---

sentence-transformers 3.0.0 has dependencies on following libraries:

sentence-transformers needs "huggingface-hub"
"huggingface-hub" needs "filelock"
"filelock" doesn't have any dependencies
"huggingface-hub" needs "fsspec"
"fsspec" doesn't have any dependencies
"huggingface-hub" needs "packaging"
"packaging" doesn't have any dependencies
"huggingface-hub" needs "PyYAML"
"PyYAML" doesn't have any dependencies
"huggingface-hub" needs "requests"
"requests" needs "certifi"
"certifi" doesn't have any dependencies
"requests" needs "charset-normalizer"
"charset-normalizer" doesn't have any dependencies
"requests" needs "idna"
"idna" doesn't have any dependencies
"requests" needs "urllib3"
"urllib3" doesn't have any dependencies

```
    "huggingface-hub" needs "tqdm"
        "tqdm" doesn't have any dependencies
    "huggingface-hub" needs "typing_extensions"
        "typing_extensions" doesn't have any dependencies
sentence-transformers needs "numpy"
    "numpy" has bundled licenses that are included below
sentence-transformers needs "pillow"
    "pillow" doesn't have any dependencies
sentence-transformers needs "scikit-learn"
    "scikit-learn" needs "joblib"
        "joblib" doesn't have any dependencies
    "scikit-learn" needs "numpy"
        "numpy" has bundled licenses that are included below
    "scikit-learn" needs "scipy"
        "scipy" needs "numpy"
            "numpy" has bundled licenses that are included below
            "scipy" has bundled licenses that are included below
    "scikit-learn" needs "threadpoolctl"
        "threadpoolctl" doesn't have any dependencies
sentence-transformers needs "scipy"
    "scipy" needs "numpy"
        "numpy" has bundled licenses that are included below
        "scipy" has bundled licenses that are included below
sentence-transformers needs "torch"
    "torch" needs "filelock"
        "filelock" doesn't have any dependencies
    "torch" needs "fsspec"
        "fsspec" doesn't have any dependencies
    "torch" needs "Jinja2"
        "Jinja2" needs "MarkupSafe"
            "MarkupSafe" doesn't have any dependencies
    "torch" needs "networkx"
        "networkx" doesn't have any dependencies
    "torch" needs "sympy"
        "sympy" needs "mpmath"
            "mpmath" doesn't have any dependencies
    "torch" needs "typing_extensions"
        "typing_extensions" doesn't have any dependencies
sentence-transformers needs "tqdm"
    "tqdm" doesn't have any dependencies
sentence-transformers needs "transformers"
    "transformers" needs "filelock"
        "filelock" doesn't have any dependencies
    "transformers" needs "huggingface-hub"
        "huggingface-hub" needs "filelock"
            "filelock" doesn't have any dependencies
        "huggingface-hub" needs "fsspec"
            "fsspec" doesn't have any dependencies
        "huggingface-hub" needs "packaging"
            "packaging" doesn't have any dependencies
        "huggingface-hub" needs "PyYAML"
            "PyYAML" doesn't have any dependencies
        "huggingface-hub" needs "requests"
            "requests" needs "certifi"
                "certifi" doesn't have any dependencies
            "requests" needs "charset-normalizer"
                "charset-normalizer" doesn't have any dependencies
            "requests" needs "idna"
```

```
                "idna" doesn't have any dependencies
            "requests" needs "urllib3"
                "urllib3" doesn't have any dependencies
        "huggingface-hub" needs "tqdm"
            "tqdm" doesn't have any dependencies
        "huggingface-hub" needs "typing_extensions"
            "typing_extensions" doesn't have any dependencies
    "transformers" needs "numpy"
        "numpy" has bundled licenses that are included below
    "transformers" needs "packaging"
        "packaging" doesn't have any dependencies
    "transformers" needs "PyYAML"
        "PyYAML" doesn't have any dependencies
    "transformers" needs "regex"
        "regex" doesn't have any dependencies
    "transformers" needs "requests"
        "requests" needs "certifi"
            "certifi" doesn't have any dependencies
        "requests" needs "charset-normalizer"
            "charset-normalizer" doesn't have any dependencies
        "requests" needs "idna"
            "idna" doesn't have any dependencies
        "requests" needs "urllib3"
            "urllib3" doesn't have any dependencies
    "transformers" needs "safetensors"
        "safetensors" doesn't have any dependencies
    "transformers" needs "tokenizers"
        "tokenizers" needs "huggingface-hub"
            "huggingface-hub" needs "filelock"
                "filelock" doesn't have any dependencies
            "huggingface-hub" needs "fsspec"
                "fsspec" doesn't have any dependencies
            "huggingface-hub" needs "packaging"
                "packaging" doesn't have any dependencies
            "huggingface-hub" needs "PyYAML"
                "PyYAML" doesn't have any dependencies
            "huggingface-hub" needs "requests"
                "requests" needs "certifi"
                    "certifi" doesn't have any dependencies
                "requests" needs "charset-normalizer"
                    "charset-normalizer" doesn't have any dependencies
                "requests" needs "idna"
                    "idna" doesn't have any dependencies
                "requests" needs "urllib3"
                    "urllib3" doesn't have any dependencies
            "huggingface-hub" needs "tqdm"
                "tqdm" doesn't have any dependencies
            "huggingface-hub" needs "typing_extensions"
                "typing_extensions" doesn't have any dependencies
    "transformers" needs "tqdm"
        "tqdm" doesn't have any dependencies
```

```
package_name: huggingface-hub
license_type: Apache Software License
license_text: Copyright 2019-present, the HuggingFace Inc. team.
```

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---

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license_text:
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---

package_name: requests
license_type: Apache Software License
license_text: copyright: (c) 2012 by Kenneth Reitz.

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

This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/
certdata.txt
It contains the certificates in PEM format and therefore
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Just configure this file as the SSLCACertificateFile.#

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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

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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
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releases have also been GPL-compatible; the table below summarizes
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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
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Files: numpy/linalg/lapack_lite/*
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Files: tools/npy_tempita/*
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Files: numpy/core/src/multiarray/dragon4.c
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  For license text, see numpy/core/src/multiarray/dragon4.c

Name: libdivide
Files: numpy/core/include/numpy/libdivide/*
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Files: vendored-meson/meson/*
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Files: .spin/cmds.py
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setuptools-rust 1.9.0

Nikolay Kim

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---------- Separator ----------
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shap 0.46.0

Scott Lundberg

```
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```

```
___
 shap 0.46.0 has dependencies on following libraries:
    shap needs "cloudpickle"
        "cloudpickle" doesn't have any dependencies
    shap needs "numba"
        "numba" needs "llvmlite"
            "llvmlite" doesn't have any dependencies
        "numba" needs "numpy"
            "numpy" doesn't have any dependencies
    shap needs "numpy"
        "numpy" doesn't have any dependencies
    shap needs "packaging"
        "packaging" doesn't have any dependencies
    shap needs "pandas"
        "pandas" needs "numpy"
            "numpy" doesn't have any dependencies
        "pandas" needs "python-dateutil"
            "python-dateutil" needs "six"
                "six" doesn't have any dependencies
        "pandas" needs "pytz"
            "pytz" doesn't have any dependencies
        "pandas" needs "tzdata"
            "tzdata" doesn't have any dependencies
    shap needs "scikit-learn"
        "scikit-learn" needs "joblib"
            "joblib" doesn't have any dependencies
        "scikit-learn" needs "numpy"
            "numpy" doesn't have any dependencies
        "scikit-learn" needs "scipy"
            "scipy" needs "numpy"
                "numpy" doesn't have any dependencies
        "scikit-learn" needs "threadpoolctl"
            "threadpoolctl" doesn't have any dependencies
    shap needs "scipy"
        "scipy" needs "numpy"
            "numpy" doesn't have any dependencies
    shap needs "slicer"
        "slicer" doesn't have any dependencies
    shap needs "tqdm"
        "tqdm" doesn't have any dependencies
```

```
_____
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  From the website for the L-BFGS-B code (from at
http://www.ece.northwestern.edu/~nocedal/lbfgsb.html):
"""
L-BFGS-B is a limited-memory quasi-Newton code for bound-constrained
optimization, i.e. for problems where the only constraints are of the
form l<= x <= u.
"""
This is a Python wrapper (using F2PY) written by David M. Cooke
<cookedm@physics.mcmaster.ca> and released as version 0.9 on April 9, 2004.
The wrapper was slightly modified by Joonas Paalasmaa for the 3.0 version
in March 2012.
License of L-BFGS-B (Fortran code)
==================================
The version included here (in lbfgsb.f) is 3.0 (released April 25, 2011). It was
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    * R. H. Byrd, P. Lu and J. Nocedal. A Limited Memory Algorithm for Bound
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    * C. Zhu, R. H. Byrd and J. Nocedal. L-BFGS-B: Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (1997),
      ACM Transactions on Mathematical Software, 23, 4, pp. 550 - 560.
    * J.L. Morales and J. Nocedal. L-BFGS-B: Remark on Algorithm 778: L-BFGS-B,
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  """
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==================
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Example usage
=============
An example of the usage is given at the bottom of the lbfgsb.py file.
Run it with 'python lbfgsb.py'.
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https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083
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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.
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org.slf4j:jul-to-slf4j

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Java ClassMate library was originally written by Tatu Saloranta

(tatu.saloranta@iki.fi)

Other developers who have contributed code are:

* Brian Langel

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* Project: https://maven.apache.org/resolver/maven-resolver-transport-file/
* Source:
  https://github.com/apache/maven-resolver/tree/master/maven-resolver-transport-file

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* Source:
  https://mvnrepository.com/artifact/org.apache.maven/maven-settings/3.5.2

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plexus-archiver (3.5)

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* Project: https://codehaus-plexus.github.io/plexus-archiver/
* Source: https://github.com/codehaus-plexus/plexus-archiver

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This is a Java port of Daniel Lemire's fast_float project.
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Java ClassMate library was originally written by Tatu Saloranta
(tatu.saloranta@iki.fi)

Other developers who have contributed code are:

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* License: Apache-2.0
* Project: https://maven.apache.org/plugin-tools/maven-plugin-annotations/
* Source:
   https://github.com/apache/maven-plugin-tools/tree/master/maven-plugin-annotations

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maven-resolver-transport-file (1.1.1)

* License: Apache-2.0
* Project: https://maven.apache.org/resolver/maven-resolver-transport-file/
* Source:
   https://github.com/apache/maven-resolver/tree/master/maven-resolver-transport-file

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maven-settings (3.5.2)

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* Source:
   https://mvnrepository.com/artifact/org.apache.maven/maven-settings/3.5.2

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plexus-archiver (3.5)

* License: Apache-2.0
* Project: https://codehaus-plexus.github.io/plexus-archiver/
* Source: https://github.com/codehaus-plexus/plexus-archiver

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- jakarta_web-services_client_2_0.xsd
- jsp_3_0.xsd
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org.apache.tomcat.util.json.JSONParser.jj is a public domain javacc grammar
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 - jsp_2_3.xsd
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 - web-common_3_1.xsd
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- jakartaee_10.xsd
- jakarta_web-services_2_0.xsd
- jakarta_web-services_client_2_0.xsd
- jsp_3_0.xsd
- jsp_3_1.xsd
- web-app_5_0.xsd
- web-app_6_0.xsd
- web-commonn_5_0.xsd
- web-commonn_6_0.xsd
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 - javaee_web_services_client_1_3.xsd
 - jsp_2_2.xsd
 - web-app_3_0.xsd
 - web-common_3_0.xsd
 - web-fragment_3_0.xsd
 - javaee_7.xsd
 - javaee_web_services_1_4.xsd
 - javaee_web_services_client_1_4.xsd
 - jsp_2_3.xsd
 - web-app_3_1.xsd
 - web-common_3_1.xsd
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 - web-fragment_3_1.xsd
 - javaee_8.xsd
 - web-app_4_0.xsd
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Other developers who have contributed code are:

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org.apache.tomcat.util.json.JSONParser.jj is a public domain javacc grammar
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- jsp_2_2.xsd
- web-app_3_0.xsd
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may be obtained from:
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=== Source URL: https://github.com/spring-projects/spring-boot/tree/v3.3.3/
spring-boot-project/spring-boot-starters/spring-boot-starter
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FastDoubleParser

This is a Java port of Daniel Lemire's fast_float project.
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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.
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    org.springframework.boot    spring-boot-starter
    org.springframework.boot    spring-boot-starter-json
    org.springframework.boot    spring-boot-starter-logging
    org.springframework.boot    spring-boot-starter-tomcat
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    org.springframework    spring-beans
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    org.springframework    spring-core
    org.springframework    spring-expression
    org.springframework    spring-jcl
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Fourth-Party Dependencies

com.fasterxml.jackson.datatype:jackson-datatype-jdk8
com.fasterxml.jackson.datatype:jackson-datatype-jsr310
com.fasterxml.jackson.module:jackson-module-parameter-names

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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.

Licensing

```
Jackson components are licensed under Apache (Software) License, version 2.0,
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A list of contributors may be found from CREDITS file, which is included
in some artifacts (usually source distributions); but is always available
from the source code management (SCM) system project uses.
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Fourth-Party Dependencies

    org.apache.tomcat.embed    tomcat-embed-core
    org.apache.tomcat.embed    tomcat-embed-websocket
    org.apache.tomcat.embed    tomcat-embed-el

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        org.apache.tomcat.util.json.JSONParser.jj is a public domain javacc
grammar
        for JSON written by Robert Fischer.
        https://github.com/RobertFischer/json-parser

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The original XML Schemas for Java EE Deployment Descriptors:
 - javaee_5.xsd
 - javaee_web_services_1_2.xsd
 - javaee_web_services_client_1_2.xsd
 - javaee_6.xsd
 - javaee_web_services_1_3.xsd
 - javaee_web_services_client_1_3.xsd
 - jsp_2_2.xsd
 - web-app_3_0.xsd
 - web-common_3_0.xsd
 - web-fragment_3_0.xsd
 - javaee_7.xsd
 - javaee_web_services_1_4.xsd
 - javaee_web_services_client_1_4.xsd
 - jsp_2_3.xsd
 - web-app_3_1.xsd
 - web-common_3_1.xsd
 - web-fragment_3_1.xsd
 - javaee_8.xsd
 - web-app_4_0.xsd
 - web-common_4_0.xsd
 - web-fragment_4_0.xsd

may be obtained from:
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io.micrometer:micrometer-commons

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Dependency: ch.randelshofer:fastdoubleparser
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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
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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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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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 - web-fragment_3_0.xsd
 - javaee_7.xsd
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     - web-common_3_1.xsd
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org.apache.tomcat.util.json.JSONParser.jj is a public domain javacc grammar
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## Source Code

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 * https://github.com/eclipse-ee4j/common-annotations-api

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spring-core 6.1.3

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(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
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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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tensorflow 2.13.0 has dependencies on following libraries:

"tensorflow" needs "absl-py"

```
    "absl-py" doesn't have any dependencies
"tensorflow" needs "astunparse"
    "astunparse" needs "six"
        "six" doesn't have any dependencies
    "astunparse" needs "wheel"
        "wheel" doesn't have any dependencies
"tensorflow" needs "flatbuffers"
    "flatbuffers" doesn't have any dependencies
"tensorflow" needs "gast"
    "gast" doesn't have any dependencies
"tensorflow" needs "google-pasta"
    "google-pasta" needs "six"
        "six" doesn't have any dependencies
"tensorflow" needs "grpcio"
    "grpcio" doesn't have any dependencies
"tensorflow" needs "h5py"
    "h5py" needs "numpy"
        "numpy" doesn't have any dependencies
"tensorflow" needs "keras"
    "keras" doesn't have any dependencies
"tensorflow" needs "libclang"
    "libclang" doesn't have any dependencies
"tensorflow" needs "numpy"
    "numpy" doesn't have any dependencies
"tensorflow" needs "opt-einsum"
    "opt-einsum" needs "numpy"
        "numpy" doesn't have any dependencies
"tensorflow" needs "packaging"
    "packaging" doesn't have any dependencies
"tensorflow" needs "protobuf"
    "protobuf" doesn't have any dependencies
"tensorflow" needs "setuptools"
    "setuptools" doesn't have any dependencies
"tensorflow" needs "six"
    "six" doesn't have any dependencies
"tensorflow" needs "tensorboard"
    "tensorboard" needs "absl-py"
        "absl-py" doesn't have any dependencies
    "tensorboard" needs "google-auth"
        "google-auth" needs "cachetools"
            "cachetools" doesn't have any dependencies
        "google-auth" needs "pyasn1-modules"
            "pyasn1-modules" needs "pyasn1"
                "pyasn1" doesn't have any dependencies
        "google-auth" needs "rsa"
            "rsa" needs "pyasn1"
                "pyasn1" doesn't have any dependencies
    "tensorboard" needs "google-auth-oauthlib"
        "google-auth-oauthlib" needs "google-auth"
            "google-auth" needs "cachetools"
                "cachetools" doesn't have any dependencies
            "google-auth" needs "pyasn1-modules"
                "pyasn1-modules" needs "pyasn1"
                    "pyasn1" doesn't have any dependencies
            "google-auth" needs "rsa"
                "rsa" needs "pyasn1"
                    "pyasn1" doesn't have any dependencies
        "google-auth-oauthlib" needs "requests-oauthlib"
```

```
                    "requests-oauthlib" needs "oauthlib"
                        "oauthlib" doesn't have any dependencies
                    "requests-oauthlib" needs "requests"
                        "requests" needs "certifi"
                            "certifi" doesn't have any dependencies
                        "requests" needs "charset-normalizer"
                            "charset-normalizer" doesn't have any dependencies
                        "requests" needs "idna"
                            "idna" doesn't have any dependencies
                        "requests" needs "urllib3"
                            "urllib3" doesn't have any dependencies
                "tensorboard" needs "grpcio"
                    "grpcio" doesn't have any dependencies
                "tensorboard" needs "Markdown"
                    "Markdown" needs "importlib-metadata"
                        "importlib-metadata" needs "zipp"
                            "zipp" doesn't have any dependencies
                "tensorboard" needs "numpy"
                    "numpy" doesn't have any dependencies
                "tensorboard" needs "protobuf"
                    "protobuf" doesn't have any dependencies
                "tensorboard" needs "requests"
                    "requests" needs "certifi"
                        "certifi" doesn't have any dependencies
                    "requests" needs "charset-normalizer"
                        "charset-normalizer" doesn't have any dependencies
                    "requests" needs "idna"
                        "idna" doesn't have any dependencies
                    "requests" needs "urllib3"
                        "urllib3" doesn't have any dependencies
                "tensorboard" needs "setuptools"
                    "setuptools" doesn't have any dependencies
                "tensorboard" needs "tensorboard-data-server"
                    "tensorboard-data-server" doesn't have any dependencies
                "tensorboard" needs "werkzeug"
                    "werkzeug" needs "MarkupSafe"
                        "MarkupSafe" doesn't have any dependencies
                "tensorboard" needs "wheel"
                    "wheel" doesn't have any dependencies
            "tensorflow" needs "tensorflow-estimator"
                "tensorflow-estimator" doesn't have any dependencies
            "tensorflow" needs "termcolor"
                "termcolor" doesn't have any dependencies
            "tensorflow" needs "typing-extensions"
                "typing-extensions" doesn't have any dependencies
            "tensorflow" needs "wrapt"
                "wrapt" doesn't have any dependencies
                   "tensorflow" needs "tensorflow-io-gcs-filesystem"
            "tensorflow-io-gcs-filesystem" doesn't have any dependencies
```

```
package_name: absl-py
license_type: Apache Software License
notices_and_license_text:
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```
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license_type: BSD License
notices_and_license_text:
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---

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notices_and_license_text:
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---

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notices_and_license_text:
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---

package_name: flatbuffers
license_type: Apache Software License
notices_and_license_text:

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

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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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--------------------------------------------------------------------------------
---
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license_type: Apache Software License
notices_and_license_text:
# -*- coding: utf-8 -*-
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___
package_name: cachetools
license_type: MIT License
notices_and_license_text:
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license_type: BSD License
notices_and_license_text:
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license_type: BSD License
notices_and_license_text:
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license_type: Apache Software License
notices_and_license_text:
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---

package_name: google-auth-oauthlib
license_type: Apache Software License
notices_and_license_text:
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license_type: BSD License
notices_and_license_text:
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notices_and_license_text:
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license_type: Mozilla Public License 2.0 (MPL 2.0)
notices_and_license_text:
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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:
https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/
certdata.txt
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
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Just configure this file as the SSLCACertificateFile.#

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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

---

package_name: charset-normalizer
license_type: MIT License
notices_and_license_text:
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license_type: MIT License
notices_and_license_text:
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package_name: typing-extensions
license_type: BSD or PSF type
notices_and_license_text:
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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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Thanks to the many outside volunteers who have worked under Guido's
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license_type: BSD License
notices_and_license_text:
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license_type: Apache Software License
notices_and_license_text:

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```

```
tensorflow-hub 0.16.1 has dependencies on following libraries:

   tensorflow-hub needs "numpy"
       "numpy" has bundled licenses that are included below
   tensorflow-hub needs "protobuf"
       "protobuf" doesn't have any dependencies
   tensorflow-hub needs "tf_keras"
       "tf_keras" needs "tensorflow"
           "tensorflow" needs "absl-py"
               "absl-py" doesn't have any dependencies
           "tensorflow" needs "astunparse"
               "astunparse" needs "six"
                   "six" doesn't have any dependencies
               "astunparse" needs "wheel"
                   "wheel" doesn't have any dependencies
           "tensorflow" needs "flatbuffers"
               "flatbuffers" doesn't have any dependencies
           "tensorflow" needs "gast"
               "gast" doesn't have any dependencies
           "tensorflow" needs "google-pasta"
               "google-pasta" needs "six"
                   "six" doesn't have any dependencies
           "tensorflow" needs "grpcio"
               "grpcio" doesn't have any dependencies
           "tensorflow" needs "h5py"
               "h5py" needs "numpy"
                   "numpy" has bundled licenses that are included below
           "tensorflow" needs "keras"
               "keras" needs "absl-py"
                   "absl-py" doesn't have any dependencies
               "keras" needs "h5py"
                   "h5py" needs "numpy"
                       "numpy" has bundled licenses that are included below
               "keras" needs "ml-dtypes"
                   "ml-dtypes" needs "numpy"
                       "numpy" has bundled licenses that are included below
               "keras" needs "namex"
                   "namex" doesn't have any dependencies
```

```
    "keras" needs "numpy"
        "numpy" has bundled licenses that are included below
    "keras" needs "optree"
        "optree" needs "typing_extensions"
            "typing_extensions" doesn't have any dependencies
    "keras" needs "packaging"
        "packaging" doesn't have any dependencies
    "keras" needs "rich"
        "rich" needs "markdown-it-py"
            "markdown-it-py" needs "mdurl"
                "mdurl" doesn't have any dependencies
        "rich" needs "Pygments"
            "Pygments" doesn't have any dependencies
"tensorflow" needs "libclang"
    "libclang" doesn't have any dependencies
"tensorflow" needs "ml-dtypes"
    "ml-dtypes" needs "numpy"
        "numpy" has bundled licenses that are included below
"tensorflow" needs "numpy"
    "numpy" has bundled licenses that are included below
"tensorflow" needs "opt-einsum"
    "opt-einsum" needs "numpy"
        "numpy" has bundled licenses that are included below
"tensorflow" needs "packaging"
    "packaging" doesn't have any dependencies
"tensorflow" needs "protobuf"
    "protobuf" doesn't have any dependencies
"tensorflow" needs "requests"
    "requests" needs "certifi"
        "certifi" doesn't have any dependencies
    "requests" needs "charset-normalizer"
        "charset-normalizer" doesn't have any dependencies
    "requests" needs "idna"
        "idna" doesn't have any dependencies
    "requests" needs "urllib3"
        "urllib3" doesn't have any dependencies
"tensorflow" needs "setuptools"
    "setuptools" doesn't have any dependencies
"tensorflow" needs "six"
    "six" doesn't have any dependencies
"tensorflow" needs "tensorboard"
    "tensorboard" needs "absl-py"
        "absl-py" doesn't have any dependencies
    "tensorboard" needs "grpcio"
        "grpcio" doesn't have any dependencies
    "tensorboard" needs "Markdown"
        "Markdown" doesn't have any dependencies
    "tensorboard" needs "numpy"
        "numpy" has bundled licenses that are included below
    "tensorboard" needs "protobuf"
        "protobuf" doesn't have any dependencies
    "tensorboard" needs "setuptools"
        "setuptools" doesn't have any dependencies
    "tensorboard" needs "six"
        "six" doesn't have any dependencies
    "tensorboard" needs "tensorboard-data-server"
        "tensorboard-data-server" doesn't have any dependencies
    "tensorboard" needs "Werkzeug"
```

```
                    "Werkzeug" needs "MarkupSafe"
                        "MarkupSafe" doesn't have any dependencies
                "tensorflow" needs "tensorflow-io-gcs-filesystem"
                    "tensorflow-io-gcs-filesystem" doesn't have any dependencies
                "tensorflow" needs "termcolor"
                    "termcolor" doesn't have any dependencies
                "tensorflow" needs "typing_extensions"
                    "typing_extensions" doesn't have any dependencies
                "tensorflow" needs "wrapt"
                    "wrapt" doesn't have any dependencies
```

```
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license_type: BSD License
license_text:
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```

```
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Files: numpy/core/src/multiarray/dragon4.c
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license_type: Apache Software License
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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
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Thanks to the many outside volunteers who have worked under Guido's
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license_type: BSD License
license_text:
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tensorflow-python 2.16.2

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--------------------------------------------------------------------------------
---
 tensorflow has dependencies on following libraries:

    tensorflow needs "absl-py"
        "absl-py" doesn't have any dependencies
    tensorflow needs "astunparse"
        "astunparse" needs "six"
            "six" doesn't have any dependencies
        "astunparse" needs "wheel"
            "wheel" doesn't have any dependencies
    tensorflow needs "flatbuffers"
        "flatbuffers" doesn't have any dependencies
    tensorflow needs "gast"
        "gast" doesn't have any dependencies
    tensorflow needs "google-pasta"
        "google-pasta" needs "six"
            "six" doesn't have any dependencies
    tensorflow needs "grpcio"
        "grpcio" doesn't have any dependencies
    tensorflow needs "h5py"
        "h5py" needs "numpy"
            "numpy" doesn't have any dependencies
    tensorflow needs "keras"
        "keras" needs "absl-py"
            "absl-py" doesn't have any dependencies
        "keras" needs "h5py"
            "h5py" needs "numpy"
                "numpy" doesn't have any dependencies
        "keras" needs "ml-dtypes"
            "ml-dtypes" needs "numpy"
                "numpy" doesn't have any dependencies
```

```
        "ml-dtypes" needs "numpy"
            "numpy" doesn't have any dependencies
        "ml-dtypes" needs "numpy"
            "numpy" doesn't have any dependencies
    "keras" needs "namex"
        "namex" doesn't have any dependencies
    "keras" needs "numpy"
        "numpy" doesn't have any dependencies
    "keras" needs "optree"
        "optree" needs "typing_extensions"
            "typing_extensions" doesn't have any dependencies
    "keras" needs "packaging"
        "packaging" doesn't have any dependencies
    "keras" needs "rich"
        "rich" needs "markdown-it-py"
            "markdown-it-py" needs "mdurl"
                "mdurl" doesn't have any dependencies
        "rich" needs "Pygments"
            "Pygments" doesn't have any dependencies
tensorflow needs "libclang"
    "libclang" doesn't have any dependencies
tensorflow needs "ml-dtypes"
    "ml-dtypes" needs "numpy"
        "numpy" doesn't have any dependencies
    "ml-dtypes" needs "numpy"
        "numpy" doesn't have any dependencies
    "ml-dtypes" needs "numpy"
        "numpy" doesn't have any dependencies
tensorflow needs "numpy"
    "numpy" doesn't have any dependencies
tensorflow needs "opt_einsum"
    "opt_einsum" doesn't have any dependencies
tensorflow needs "packaging"
    "packaging" doesn't have any dependencies
tensorflow needs "protobuf"
    "protobuf" doesn't have any dependencies
tensorflow needs "requests"
    "requests" needs "certifi"
        "certifi" doesn't have any dependencies
    "requests" needs "charset-normalizer"
        "charset-normalizer" doesn't have any dependencies
    "requests" needs "idna"
        "idna" doesn't have any dependencies
    "requests" needs "urllib3"
        "urllib3" doesn't have any dependencies
tensorflow needs "setuptools"
    "setuptools" doesn't have any dependencies
tensorflow needs "six"
    "six" doesn't have any dependencies
tensorflow needs "tensorboard"
    "tensorboard" needs "absl-py"
        "absl-py" doesn't have any dependencies
    "tensorboard" needs "grpcio"
        "grpcio" doesn't have any dependencies
    "tensorboard" needs "Markdown"
        "Markdown" doesn't have any dependencies
    "tensorboard" needs "numpy"
        "numpy" doesn't have any dependencies
```

```
        "tensorboard" needs "protobuf"
            "protobuf" doesn't have any dependencies
        "tensorboard" needs "setuptools"
            "setuptools" doesn't have any dependencies
        "tensorboard" needs "six"
            "six" doesn't have any dependencies
        "tensorboard" needs "tensorboard-data-server"
            "tensorboard-data-server" doesn't have any dependencies
        "tensorboard" needs "Werkzeug"
            "Werkzeug" needs "MarkupSafe"
                "MarkupSafe" doesn't have any dependencies
    tensorflow needs "tensorflow-io-gcs-filesystem"
        "tensorflow-io-gcs-filesystem" doesn't have any dependencies
    tensorflow needs "termcolor"
        "termcolor" doesn't have any dependencies
    tensorflow needs "typing_extensions"
        "typing_extensions" doesn't have any dependencies
    tensorflow needs "wrapt"
        "wrapt" doesn't have any dependencies
```

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

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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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package_name: typing_extensions
license_type: Python Software Foundation License
license_text:
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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 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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Thanks to the many outside volunteers who have worked under Guido's
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file (certdata.txt). This file can be found in the mozilla source tree:
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certdata.txt
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
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Just configure this file as the SSLCACertificateFile.#

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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

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---

tensorflow has dependencies on following libraries:

    tensorflow needs "absl-py"
        "absl-py" doesn't have any dependencies
    tensorflow needs "astunparse"
        "astunparse" needs "six"
            "six" doesn't have any dependencies
        "astunparse" needs "wheel"
            "wheel" doesn't have any dependencies
    tensorflow needs "flatbuffers"

```
    "flatbuffers" doesn't have any dependencies
tensorflow needs "gast"
    "gast" doesn't have any dependencies
tensorflow needs "google-pasta"
    "google-pasta" needs "six"
        "six" doesn't have any dependencies
tensorflow needs "grpcio"
    "grpcio" doesn't have any dependencies
tensorflow needs "h5py"
    "h5py" needs "numpy"
        "numpy" doesn't have any dependencies
tensorflow needs "keras"
    "keras" needs "absl-py"
        "absl-py" doesn't have any dependencies
    "keras" needs "h5py"
        "h5py" needs "numpy"
            "numpy" doesn't have any dependencies
    "keras" needs "ml-dtypes"
        "ml-dtypes" needs "numpy"
            "numpy" doesn't have any dependencies
    "keras" needs "namex"
        "namex" doesn't have any dependencies
    "keras" needs "numpy"
        "numpy" doesn't have any dependencies
    "keras" needs "optree"
        "optree" needs "typing_extensions"
            "typing_extensions" doesn't have any dependencies
    "keras" needs "packaging"
        "packaging" doesn't have any dependencies
    "keras" needs "rich"
        "rich" needs "markdown-it-py"
            "markdown-it-py" needs "mdurl"
                "mdurl" doesn't have any dependencies
        "rich" needs "Pygments"
            "Pygments" doesn't have any dependencies
tensorflow needs "libclang"
    "libclang" doesn't have any dependencies
tensorflow needs "ml-dtypes"
    "ml-dtypes" needs "numpy"
        "numpy" doesn't have any dependencies
tensorflow needs "numpy"
    "numpy" doesn't have any dependencies
tensorflow needs "opt_einsum"
    "opt_einsum" doesn't have any dependencies
tensorflow needs "packaging"
    "packaging" doesn't have any dependencies
tensorflow needs "protobuf"
    "protobuf" doesn't have any dependencies
tensorflow needs "requests"
    "requests" needs "certifi"
        "certifi" doesn't have any dependencies
    "requests" needs "charset-normalizer"
        "charset-normalizer" doesn't have any dependencies
    "requests" needs "idna"
        "idna" doesn't have any dependencies
    "requests" needs "urllib3"
        "urllib3" doesn't have any dependencies
tensorflow needs "setuptools"
```

```
        "setuptools" doesn't have any dependencies
    tensorflow needs "six"
        "six" doesn't have any dependencies
    tensorflow needs "tensorboard"
        "tensorboard" needs "absl-py"
            "absl-py" doesn't have any dependencies
        "tensorboard" needs "grpcio"
            "grpcio" doesn't have any dependencies
        "tensorboard" needs "Markdown"
            "Markdown" doesn't have any dependencies
        "tensorboard" needs "numpy"
            "numpy" doesn't have any dependencies
        "tensorboard" needs "protobuf"
            "protobuf" doesn't have any dependencies
        "tensorboard" needs "setuptools"
            "setuptools" doesn't have any dependencies
        "tensorboard" needs "six"
            "six" doesn't have any dependencies
        "tensorboard" needs "tensorboard-data-server"
            "tensorboard-data-server" doesn't have any dependencies
        "tensorboard" needs "Werkzeug"
            "Werkzeug" needs "MarkupSafe"
                "MarkupSafe" doesn't have any dependencies
    tensorflow needs "tensorflow-io-gcs-filesystem"
        "tensorflow-io-gcs-filesystem" doesn't have any dependencies
    tensorflow needs "termcolor"
        "termcolor" doesn't have any dependencies
    tensorflow needs "typing_extensions"
        "typing_extensions" doesn't have any dependencies
    tensorflow needs "wrapt"
        "wrapt" doesn't have any dependencies
```

```
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license_type: Apache Software License
license_text:
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license_text:
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license_text:
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license_type: MIT
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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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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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license_type: Apache License 2.0
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package_name: namex
license_type: Apache License 2.0
license_text:
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license_type: Python Software Foundation License

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

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

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2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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file (certdata.txt). This file can be found in the mozilla source tree:
https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/
certdata.txt
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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

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Andrey Petrov

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wheel version 0.43.0

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