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Cloud Infrastructure

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October 09, 2024

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cfi>=1.8,!1.11.3

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**Provider: Alexander Reelsen / Component(s): dropwizard-jobs 3.0.0**

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**Provider: Alipay.com / Component(s): rc-tree-select 2.2.4**

React Component - Tree Select

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Dependencies

babel-runtime 6.26.0

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classnames 2.2.6

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enzyme 3.5.0

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enzyme-adapter-react-16 1.3.0

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enzyme-to-json 3.3.4

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jest 23.5.0

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pre-commit 1.2.2

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prop-types 15.6.2

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raf 3.4.0

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rc-animate 3.0.0-rc.6

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rc-dialog 7.2.0

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rc-form 1.5.0

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rc-select 7.7.8

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rc-tools 8.1.6

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rc-tree 1.14.4

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rc-tree-select 2.2.0

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rc-trigger 3.0.0-rc.3



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rc-util 4.5.1
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react 16.4.2
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react-dom 16.4.2

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react-lifecycles-compat 3.0.4

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shallowequal 1.1.0

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warning 4.0.2

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**Provider: Alissa Bonas / Component(s): kubeclient 4.9.3**

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addressable

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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 <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 direction to make these releases possible.

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urllib3

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zict

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python-dateutil

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pytz

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six

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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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Name: Julia

The ziggurat methods were derived from Julia.

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toolz

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pyyaml

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jinja2

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msgpack

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psutil

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tlib

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tornado

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urllib3

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numba 0.57.1 has dependencies on following libraries:

```

numba needs "importlib-metadata"
"importlib-metadata" needs "zipp"
"zipp" doesn't have any dependencies
numba needs "llvmlite"
"llvmlite" doesn't have any dependencies
numba needs "numpy"
"numpy" has certain dependencies bundled whose licenses are below

```

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```

package_name: importlib-metadata
license_type: Apache Software License
license_text:

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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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**Provider: Apache / Component(s): hadoop-common 2.7.2**

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For src/main/native/src/org/apache/hadoop/io/compress/lz4/{lz4.h,lz4.c,lz4hc.h,lz4hc.c},

```
/*
 LZ4 - Fast LZ compression algorithm
 Header File
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You can contact the author at :

- LZ4 source repository : <http://code.google.com/p/lz4/>
- LZ4 public forum : <https://groups.google.com/forum/#!forum/lz4c>

\*/

For hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-native/task/src/main/native/gtest

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For hadoop-hdfs-project/hadoop-hdfs-native-client/src/main/native/fuse-dfs/util/tree.h

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For hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager/src/main/native/container-executor/impl/compat/{fstatat|openat|unlinkat}.h:

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hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/  
dataTables.bootstrap.css  
hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/  
jquery.dataTables.min.js  
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hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/dust-helpers-1.1.1.min.js  
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hadoop-tools/hadoop-sls/src/main/html/js/thirdparty/bootstrap.min.js  
hadoop-tools/hadoop-sls/src/main/html/css/bootstrap.min.css  
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ParaNamer Core 2.3

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leveldbjni-all 1.8

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**Provider: Apache / Component(s): HttpComponents HttpClient 4.5.6**

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- httpclient
- httpmime
- fluent-hc
- httpclient-cache
- httpclient-win
- httpclient-osgi

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4P Dependencies:

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```
=====
4P Test Dependencies (No Compile Dependencies):
```

```
There are four 4th party dependencies, all of them are for testing only.
```

```
1) Commons-logging version 1.2 (Apache 2.0)
```

```
-----
<!--
```

```
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```

```
-->
```

```
-----
2) junit version 5.2.0 (EPL 2.0)
```

```
-----
/*
```

```
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*
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* made available under the terms of the Eclipse Public License v2.0 which
* accompanies this distribution and is available at
*
* http://www.eclipse.org/legal/epl-v20.html
*/
```

```
-----
3) commons-lang3 version 3.8 (Apache 2.0)
```

```
-----
/*
```

```
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```
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```

```
*/
```

```
-----
4) mockito-core version 2.21.0 (MIT)
```

```
-----
/*
```

```
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```

```
*/
```



**Provider: Apache / Component(s): httpd 2.4.6-80**

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```

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*
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*
*/
```

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```
/*-----
* NCSA HTTPd Server
* Software Development Group
* National Center for Supercomputing Applications
* University of Illinois at Urbana-Champaign
* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
*
* Copyright (C) 1995, Board of Trustees of the University of Illinois
*
*****
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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)  
Michael Campanella (campanella@stevms.enet.dec.com)

```
*/
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**Provider: Apache / Component(s): Ignite 2.4.0**

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- 6) Apache Zookeeper 3.4.13
- 7) zkclient 0.11 by Stefan Groschupf
- 8) FasterXML Jackson-Databind 2.9.8
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\*/

**Provider: Apache / Component(s): Log4J 2.11.2**

log4j-slf4j-impl 2.11.0 (module of apache logging-log4j2)

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unf\_ext

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http-form\_data

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strptime

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ext/strptime/strptime.c:

date\_strptime.c: Coded by Tadayoshi Funaba 2011,2012  
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tzinfo-data

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webrick

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yajl-ruby

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THIRD-PARTY COMPONENT FILE VERSION LICENSE

```
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java/modules/ext/commons-lang3-3.6.jar 2.5.3.6 Apache-2.0
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platform/modules/ext/org.apache.felix.main-6.0.3.jar 6.0.3 Apache-2.0
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android-json-0.0.20131108.vaadin1.jar Apache 2.0
```

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#### Sourcefile LICENSE NOTES

```
extide/gradle/src/org/netbeans/modules/gradle/resources/gradle-badge.png
  Gradle-icon
extide/gradle/src/org/netbeans/modules/gradle/resources/gradle-
badge_dark.png
  Gradle-icon
extide/gradle/src/org/netbeans/modules/gradle/resources/gradle-large-
badge.png
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badge_dark.png
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W3C2
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src/manual/en_US/figures/model2sketch.png
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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.

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Name: Julia

The zigurat methods were derived from Julia.

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Name: numpy.core.ma

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Flask 1.0.2

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@types/prop-types 15.7.1

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noirbizarre/flask-restplus 0.12.1

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 *
 * Project      : python3-parser; an ANTLR4 grammar for Python 3
 *              : https://github.com/bkiers/python3-parser
 * Developed by : Bart Kiers, bart@big-o.nl
 */

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**Provider: Barthelemy Dagenais / Component(s): py4j 0.10.9**

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**Provider: Ben Johnson / Component(s): Bolt 1.3.1-coreos.6**

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**Provider: Benoît Chesneau / Component(s): gunicorn 19.9.0**

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Gunicorn 19.9.0
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gunicorn.logging_config  
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doc/sitemap\_gen.py



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util/unlink.py  
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backport frop python3 Lib/test/support.py

unicorn/selectors.py  
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----- Fourth-party information -----

```

== NAME OF DEPENDENCY 1
com.fasterxml.jackson.core jackson-core
.
== License Type
Apache License Version 2.0
.
== Copyright Notices
# 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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com.fasterxml.jackson.core Jackson-databind

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Compile Dependencies

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Apache 2.0  
dropwizard-util 1.2.5  
dropwizard-jackson 1.2.5  
dropwizard-validation 1.2.5  
dropwizard-configuration 1.2.5  
dropwizard-logging 1.2.5  
dropwizard-metrics 1.2.5  
dropwizard-jersey 1.2.5  
dropwizard-servlets 1.2.5  
dropwizard-jetty 1.2.5  
dropwizard-lifecycle 1.2.5  
dropwizard-logging 1.2.5  
dropwizard-request-logging 1.2.5

```
metrics-core 3.2.5
metrics-jvm 3.2.5
metrics-servlets 3.2.5
metrics-healthchecks 3.2.5
metrics-logback 3.2.5
metrics-jetty9 3.2.5
metrics-jersey2 3.2.5
metrics-annotations 3.2.5
jsr305 3.0.2
jsr305 1.3.9
guava 23.1-jre
guava 23.5-jre
joda-time 2.9.9
jackson-annotations 2.9.5
jackson-core 2.9.5
jackson-databind 2.9.5
jackson-datatype-guava 2.9.5
jackson-datatype-jsr310 2.9.5
jackson-datatype-jdk8 2.9.5
jackson-datatype-joda 2.9.5
jackson-dataformat-yaml 2.9.5
jackson-module-afterburner 2.9.5
jackson-module-parameter-names 2.9.5
jackson-jaxrs-json-provider 2.9.5
jackson-jaxrs-base 2.9.5
hibernate-validator 5.4.2.Final
classmate 1.3.1
validation-api 1.1.0.Final
commons-lang3 3.6
snakeyaml 1.17
javax.inject 1
error_prone_annotations 2.0.18
j2objc-annotations 1.1
profiler 1.0.2
```

## MIT

```
argparse4j 0.7.0
slf4j-api 1.7.25
slf4j-api 1.7.25
jul-to-slf4j 1.7.25
jcl-over-slf4j 1.7.25
animal-sniffer-annotations 1.14
checker-qual 2.0.0
```

## Apache 2.0 + EPL 1.0

```
jetty-setuid-java 1.0.3
jetty-server 9.4.8.v20171121
jetty-util 9.4.8.v20171121
jetty-http 9.4.8.v20171121
jetty-io 9.4.8.v20171121
jetty-webapp 9.4.8.v20171121
jetty-continuation 9.4.8.v20171121
jetty-xml 9.4.8.v20171121
jetty-servlet 9.4.8.v20171121
jetty-security 9.4.7.v20170914
jetty-servlets 9.4.8.v20171121
```

## EPL 1.0 + LGPL 2.1

```
logback-core 1.2.3
logback-classic 1.2.3
logback-classic 1.1.10
```

logback-core 1.1.10  
logback-access 1.2.3

Apache 2.0 + CC0 1.0 Public  
jboss-logging 3.3.0.Final

Apache 2.0 + MIT  
log4j-over-slf4j 1.7.24  
animal-sniffer-annotations 1.14

Apache 2.0 + LGPL 2.1 + MPL 1.1  
javassist 3.21.0-GA

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argparse4j 0.7.0

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slf4j-api 1.7.24
slf4j-api 1.7.22
jul-to-slf4j 1.7.24
jcl-over-slf4j 1.7.24

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Compile Dependencies

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Apache 2.0  
dropwizard-util 1.2.5  
dropwizard-jackson 1.2.5  
dropwizard-validation 1.2.5  
dropwizard-configuration 1.2.5  
dropwizard-logging 1.2.5  
dropwizard-metrics 1.2.5  
dropwizard-jersey 1.2.5  
dropwizard-servlets 1.2.5  
dropwizard-jetty 1.2.5  
dropwizard-lifecycle 1.2.5  
dropwizard-logging 1.2.5  
dropwizard-request-logging 1.2.5  
metrics-core 3.2.5  
metrics-jvm 3.2.5  
metrics-servlets 3.2.5  
metrics-healthchecks 3.2.5  
metrics-logback 3.2.5  
metrics-jetty9 3.2.5  
metrics-jersey2 3.2.5  
metrics-annotations 3.2.5  
jsr305 3.0.2  
jsr305 1.3.9  
guava 23.1-jre  
guava 23.5-jre  
joda-time 2.9.9  
jackson-annotations 2.9.5  
jackson-core 2.9.5  
jackson-databind 2.9.5  
jackson-datatype-guava 2.9.5  
jackson-datatype-jsr310 2.9.5  
jackson-datatype-jdk8 2.9.5  
jackson-datatype-joda 2.9.5  
jackson-dataformat-yaml 2.9.5  
jackson-module-afterburner 2.9.5  
jackson-module-parameter-names 2.9.5  
jackson-jaxrs-json-provider 2.9.5  
jackson-jaxrs-base 2.9.5  
hibernate-validator 5.4.2Final  
classmate 1.3.1  
validation-api 1.1.0Final  
commons-lang3 3.6  
snakeyaml 1.17

```
javax.inject 1
error_prone_annotations 2.0.18
j2objc-annotations 1.1
profiler 1.0.2
```

MIT

```
argparse4j 0.7.0
slf4j-api 1.7.25
slf4j-api 1.7.25
jul-to-slf4j 1.7.25
jcl-over-slf4j 1.7.25
animal-sniffer-annotations 1.14
checker-qual 2.0.0
```

Apache 2.0 + EPL 1.0

```
jetty-setuid-java 1.0.3
jetty-server 9.4.8.v20171121
jetty-util 9.4.8.v20171121
jetty-http 9.4.8.v20171121
jetty-io 9.4.8.v20171121
jetty-webapp 9.4.8.v20171121
jetty-continuation 9.4.8.v20171121
jetty-xml 9.4.8.v20171121
jetty-servlet 9.4.8.v20171121
jetty-security 9.4.7.v20170914
jetty-servlets 9.4.8.v20171121
```

EPL 1.0 + LGPL 2.1

```
logback-core 1.2.3
logback-classic 1.2.3
logback-classic 1.1.10
logback-core 1.1.10
logback-access 1.2.3
```

Apache 2.0 + CC0 1.0 Public

```
jboss-logging 3.3.0Final
```

Apache 2.0 + MIT

```
log4j-over-slf4j 1.7.24
animal-sniffer-annotations 1.14
```

Apache 2.0 + LGPL 2.1 + MPL 1.1

```
javassist 3.21.0-GA
```

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Apache 2.0

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argparse4j 0.7.0

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 */

```

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slf4j-api 1.7.24  
slf4j-api 1.7.22  
jul-to-slf4j 1.7.24

jcl-over-slf4j 1.7.24

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Compile Dependencies

=====

Apache 2.0  
dropwizard-util 1.2.5  
dropwizard-jackson 1.2.5  
dropwizard-validation 1.2.5  
dropwizard-configuration 1.2.5  
dropwizard-logging 1.2.5  
dropwizard-metrics 1.2.5  
dropwizard-jersey 1.2.5  
dropwizard-servlets 1.2.5

```
dropwizard-jetty 1.2.5
dropwizard-lifecycle 1.2.5
dropwizard-logging 1.2.5
dropwizard-request-logging 1.2.5
metrics-core 3.2.5
metrics-jvm 3.2.5
metrics-servlets 3.2.5
metrics-healthchecks 3.2.5
metrics-logback 3.2.5
metrics-jetty9 3.2.5
metrics-jersey2 3.2.5
metrics-annotations 3.2.5
jsr305 3.0.2
jsr305 1.3.9
guava 23.1-jre
guava 23.5-jre
joda-time 2.9.9
jackson-annotations 2.9.5
jackson-core 2.9.5
jackson-databind 2.9.5
jackson-datatype-guava 2.9.5
jackson-datatype-jsr310 2.9.5
jackson-datatype-jdk8 2.9.5
jackson-datatype-joda 2.9.5
jackson-dataformat-yaml 2.9.5
jackson-module-afterburner 2.9.5
jackson-module-parameter-names 2.9.5
jackson-jaxrs-json-provider 2.9.5
jackson-jaxrs-base 2.9.5
hibernate-validator 5.4.2Final
classmate 1.3.1
validation-api 1.1.0Final
commons-lang3 3.6
snakeyaml 1.17
javax.inject 1
error_prone_annotations 2.0.18
j2objc-annotations 1.1
profiler 1.0.2
```

## MIT

```
argparse4j 0.7.0
slf4j-api 1.7.25
slf4j-api 1.7.25
jul-to-slf4j 1.7.25
jcl-over-slf4j 1.7.25
animal-sniffer-annotations 1.14
checker-qual 2.0.0
```

## Apache 2.0 + EPL 1.0

```
jetty-setuid-java 1.0.3
jetty-server 9.4.8.v20171121
jetty-util 9.4.8.v20171121
jetty-http 9.4.8.v20171121
jetty-io 9.4.8.v20171121
jetty-webapp 9.4.8.v20171121
jetty-continuation 9.4.8.v20171121
jetty-xml 9.4.8.v20171121
jetty-servlet 9.4.8.v20171121
jetty-security 9.4.7.v20170914
jetty-servlets 9.4.8.v20171121
```

EPL 1.0 + LGPL 2.1  
logback-core 1.2.3  
logback-classic 1.2.3  
logback-classic 1.1.10  
logback-core 1.1.10  
logback-access 1.2.3

Apache 2.0 + CC0 1.0 Public  
jboss-logging 3.3.0Final

Apache 2.0 + MIT  
log4j-over-slf4j 1.7.24  
animal-sniffer-annotations 1.14

Apache 2.0 + LGPL 2.1 + MPL 1.1  
javassist 3.21.0-GA

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Apache 2.0

Version 2.0, January 2004

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argparse4j 0.7.0

```

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 */

```

=====

slf4j-api 1.7.24  
slf4j-api 1.7.22  
jul-to-slf4j 1.7.24  
jcl-over-slf4j 1.7.24

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Version 2.1, February 1999

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**Provider: Coda Hale / Component(s): DropWizard 1.3.8**

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Apache 2.0  
 dropwizard-util 1.2.5  
 dropwizard-jackson 1.2.5  
 dropwizard-validation 1.2.5  
 dropwizard-configuration 1.2.5  
 dropwizard-logging 1.2.5  
 dropwizard-metrics 1.2.5  
 dropwizard-jersey 1.2.5  
 dropwizard-servlets 1.2.5  
 dropwizard-jetty 1.2.5  
 dropwizard-lifecycle 1.2.5  
 dropwizard-logging 1.2.5  
 dropwizard-request-logging 1.2.5  
 metrics-core 3.2.5  
 metrics-jvm 3.2.5  
 metrics-servlets 3.2.5  
 metrics-healthchecks 3.2.5  
 metrics-logback 3.2.5  
 metrics-jetty9 3.2.5  
 metrics-jersey2 3.2.5  
 metrics-annotations 3.2.5  
 jsr305 3.0.2  
 jsr305 1.3.9  
 guava 23.1-jre  
 guava 23.5-jre  
 joda-time 2.9.9  
 jackson-annotations 2.9.5  
 jackson-core 2.9.5  
 jackson-databind 2.9.5  
 jackson-datatype-guava 2.9.5  
 jackson-datatype-jsr310 2.9.5  
 jackson-datatype-jdk8 2.9.5  
 jackson-datatype-joda 2.9.5  
 jackson-dataformat-yaml 2.9.5  
 jackson-module-afterburner 2.9.5  
 jackson-module-parameter-names 2.9.5  
 jackson-jaxrs-json-provider 2.9.5  
 jackson-jaxrs-base 2.9.5  
 hibernate-validator 5.4.2Final  
 classmate 1.3.1  
 validation-api 1.1.0Final



```
commons-lang3 3.6
snakeyaml 1.17
javax.inject 1
error_prone_annotations 2.0.18
j2objc-annotations 1.1
profiler 1.0.2
```

```
MIT
argparse4j 0.7.0
slf4j-api 1.7.25
slf4j-api 1.7.25
jul-to-slf4j 1.7.25
jcl-over-slf4j 1.7.25
animal-sniffer-annotations 1.14
checker-qual 2.0.0
```

```
Apache 2.0 + EPL 1.0
jetty-setuid-java 1.0.3
jetty-server 9.4.8.v20171121
jetty-util 9.4.8.v20171121
jetty-http 9.4.8.v20171121
jetty-io 9.4.8.v20171121
jetty-webapp 9.4.8.v20171121
jetty-continuation 9.4.8.v20171121
jetty-xml 9.4.8.v20171121
jetty-servlet 9.4.8.v20171121
jetty-security 9.4.7.v20170914
jetty-servlets 9.4.8.v20171121
```

```
EPL 1.0 + LGPL 2.1
logback-core 1.2.3
logback-classic 1.2.3
logback-classic 1.1.10
logback-core 1.1.10
logback-access 1.2.3
```

```
Apache 2.0 + CC0 1.0 Public
jboss-logging 3.3.0Final
```

```
Apache 2.0 + MIT
log4j-over-slf4j 1.7.24
animal-sniffer-annotations 1.14
```

```
Apache 2.0 + LGPL 2.1 + MPL 1.1
javassist 3.21.0-GA
```

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argparse4j 0.7.0

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slf4j-api 1.7.24

slf4j-api 1.7.22  
jul-to-slf4j 1.7.24  
jcl-over-slf4j 1.7.24

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We call this license the "Lesser" General Public License because it does less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

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In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

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dropwizard-metrics 4.0.5

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Eclipse

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- \* org.eclipse.jetty.orbit:javafx.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.  
<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

- \* javax.servlet:javax.servlet-api
- \* javax.annotation:javax.annotation-api
- \* javax.transaction:javax.transaction-api
- \* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

- \* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of <http://asm.ow2.org/license.html>

org.ow2.asm:asm-commons  
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec  
org.apache.taglibs:taglibs-standard-impl

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The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp  
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  
org.apache.tomcat:tomcat-util

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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```

```
---
org.openjdk.jcstress jcstress-core 0.1.1
No copyright info
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master/LICENSE
```

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- docs
- metrics-bom
- metrics-annotation
- metrics-benchmarks
- metrics-core
- metrics-healthchecks
- metrics-ehcache
- metrics-graphite
- metrics-httpclient
- metrics-httpasyncclient
- metrics-jcache
- metrics-jdbi
- metrics-jdbi3
- metrics-jersey2
- metrics-jetty9
- metrics-json
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 Dependencies:

org.slf4j 1.7.25  
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assertj 3.6.2

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mockito 2.7.12

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com.fasterxml.jackson.core » jackson-databind 2.9.5

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com.rabbitmq » amqp-client 4.4.1

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org.eclipse.jetty » jetty-server 9.4.14.v20181114

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Eclipse

The following artifacts are EPL.
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  * org.eclipse.jetty.orbit:javax.security.auth.message

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terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl
```

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

```
org.mortbay.jasper:apache-jsp
  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
  org.apache.tomcat:tomcat-util
  org.mortbay.jasper:apache-el
  org.apache.tomcat:tomcat-jasper-el
  org.apache.tomcat:tomcat-el-api
```

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Assorted

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ch.qos.logback » logback-classic 1.2.3  
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metrics-annotation
metrics-benchmarks
metrics-core
metrics-collectd
metrics-healthchecks
metrics-ehcache
metrics-graphite
metrics-httpclient
metrics-httpasyncclient
metrics-jcache
metrics-jdbi
metrics-jdbi3
metrics-jersey2
metrics-jetty9
metrics-json
metrics-jvm
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- \* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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- \* org.eclipse.jetty.orbit:javafx.security.auth.message

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- \* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.  
<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

- \* javax.servlet:javax.servlet-api
- \* javax.annotation:javax.annotation-api
- \* javax.transaction:javax.transaction-api
- \* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

- \* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.  
<http://openjdk.java.net/legal/gplv2+ce.html>

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of <http://asm.ow2.org/license.html>

- org.ow2.asm:asm-commons
- org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

- org.apache.taglibs:taglibs-standard-spec
- org.apache.taglibs:taglibs-standard-impl

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

- org.mortbay.jasper:apache-jsp
- 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
- org.apache.tomcat:tomcat-util

```
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api
```

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

```
org.eclipse.jetty.toolchain:jetty-schemas
```

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Assorted

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- dropwizard-core
- dropwizard-client
- dropwizard-db
- dropwizard-jdbi
- dropwizard-jdbi3
- dropwizard-migrations
- dropwizard-hibernate
- dropwizard-auth
- dropwizard-example
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- dropwizard-views
- dropwizard-views-freemarker
- dropwizard-views-mustache
- dropwizard-testing
- dropwizard-util
- dropwizard-jackson
- dropwizard-validation
- dropwizard-configuration
- dropwizard-logging
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- dropwizard-metrics-graphite
- dropwizard-jersey
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- 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
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- javaee\_web\_services\_client\_1\_4.xsd
- jsp\_2\_3.xsd
- web-app\_3\_1.xsd
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Here are people who have contributed to development Jackson JSON processor Hibernate module, version 2.x  
(version numbers in brackets indicate release in which the problem was fixed)

Tatu Saloranta, [tatu.saloranta@iki.fi](mailto:tatu.saloranta@iki.fi): author

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Contributors

Daan van Dijk (drvdijk@github):

#39: NullPointerException trying to serialize ManyToMany proxied values  
(2.2.3)

Edouard Oger (eoger@github)

#25/#59: Allow passing of `SessionFactory` to help with forced lazy-loading  
(2.5.0)

M. Tarik Yurt (mtyurt@github)

#67: Provide support for Hibernate 5.x  
(2.6.0)

Tiago Peruzzo (peruzzo@github)

#70: Infinite recursion due to `@JsonIgnoreProperties` not passed to  
property  
(2.6.5)

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com.fasterxml.jackson.core » jackson-annotations 2.9.8  
com.fasterxml.jackson.core » jackson-core 2.9.8  
com.fasterxml.jackson.core » jackson-databind 2.9.8  
com.fasterxml.jackson.datatype » jackson-datatype-guava 2.9.8  
com.fasterxml.jackson.datatype » jackson-datatype-jsr310 2.9.8  
com.fasterxml.jackson.datatype » jackson-datatype-jdk8 2.9.8  
com.fasterxml.jackson.datatype » jackson-datatype-joda 2.9.8  
com.fasterxml.jackson.module » jackson-module-parameter-names 2.9.8  
com.fasterxml.jackson.module » jackson-module-afterburner 2.9.8
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LICENSE: Apache 2.0 https://github.com/JodaOrg/joda-time/blob/v2.10.1/  
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```
-----  
org.slf4j » slf4j-api 1.7.26  
org.slf4j » jul-to-slf4j 1.7.26  
org.slf4j » log4j-over-slf4j 1.7.26  
org.slf4j » jcl-over-slf4j 1.7.26
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Javassist version 3
```

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 io.dropwizard.metrics » metrics-logback 4.0.5  
 io.dropwizard.metrics » metrics-core 4.0.5  
 io.dropwizard.metrics » metrics-graphite 4.0.5  
 io.dropwizard.metrics » metrics-jetty9 4.0.5  
 io.dropwizard.metrics » metrics-annotation 4.0.5  
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org.eclipse.jetty » jetty-server 9.4.14.v20181114
org.eclipse.jetty » jetty-servlet 9.4.14.v20181114
org.eclipse.jetty » jetty-servlets 9.4.14.v20181114
org.eclipse.jetty » jetty-webapp 9.4.14.v20181114
org.eclipse.jetty » jetty-continuation 9.4.14.v20181114
org.eclipse.jetty » jetty-http 9.4.14.v20181114
org.eclipse.jetty » jetty-alpn-openjdk8-server 9.4.14.v20181114
org.eclipse.jetty.http2 » http2-server 9.4.14.v20181114
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org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
  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
  org.apache.tomcat:tomcat-util

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

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Mortbay
```

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org.eclipse.jetty.toolchain:jetty-schemas

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docs
dropwizard-bom
dropwizard-core
dropwizard-client
dropwizard-db
dropwizard-jdbi
dropwizard-jdbi3
dropwizard-migrations
dropwizard-hibernate
dropwizard-auth
dropwizard-example
dropwizard-forms
dropwizard-views
dropwizard-views-freemarker
dropwizard-views-mustache
dropwizard-testing
dropwizard-util
dropwizard-jackson
dropwizard-validation
dropwizard-configuration
dropwizard-logging
dropwizard-metrics
dropwizard-metrics-graphite
dropwizard-jersey
dropwizard-jetty
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dropwizard-lifecycle
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dropwizard-archetypes
dropwizard-benchmarks
dropwizard-http2
dropwizard-request-logging
dropwizard-e2e
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\*\*\*\*\*

net.sourceforge.argparse4j » argparse4j 0.8.1

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org.eclipse.jetty.toolchain.setuid » jetty-setuid-java 1.0.3
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blob/4.5.7/LICENSE.txt

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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>

For portions of the Tomcat JNI OpenSSL API and the OpenSSL JSSE integration  
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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:

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

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org.jdbi » jdbi3-core 3.5.1
org.jdbi » jdbi3-sqlobject 3.5.1
org.jdbi » jdbi3-jodatime2 3.5.1
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Here are people who have contributed to development Jackson JSON processor  
Hibernate module, version 2.x  
(version numbers in brackets indicate release in which the problem was  
fixed)
```

```
Tatu Saloranta, tatu.saloranta@iki.fi: author
```

```
-----  
Contributors  
-----
```

```
Daan van Dijk (drvdijk@github):
```

```
#39: NullPointerException trying to serialize ManyToMany proxied values  
(2.2.3)
```

```
Edouard Oger (eoger@github)
```

```
#25/#59: Allow passing of `SessionFactory` to help with forced lazy-loading  
(2.5.0)
```

```
M. Tarik Yurt (mtyurt@github)
```

```
#67: Provide support for Hibernate 5.x  
(2.6.0)
```

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Tiago Peruzzo (peruzzo@github)
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#70: Infinite recursion due to `@JsonIgnoreProperties` not passed to  
property  
(2.6.5)
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com.fasterxml.jackson.datatype » jackson-datatype-jdk8 2.9.8
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```
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Javassist version 3

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Modules:

\*\*\*\*\*

docs  
dropwizard-bom  
dropwizard-core  
dropwizard-client  
dropwizard-db  
dropwizard-jdbi  
dropwizard-jdbi3  
dropwizard-migrations  
dropwizard-hibernate  
dropwizard-auth  
dropwizard-example  
dropwizard-forms  
dropwizard-views  
dropwizard-views-freemarker  
dropwizard-views-mustache  
dropwizard-testing  
dropwizard-util  
dropwizard-jackson  
dropwizard-validation  
dropwizard-configuration  
dropwizard-logging  
dropwizard-metrics  
dropwizard-metrics-graphite  
dropwizard-jersey  
dropwizard-jetty  
dropwizard-servlets  
dropwizard-lifecycle  
dropwizard-assets  
dropwizard-archetypes  
dropwizard-benchmarks  
dropwizard-http2

```

dropwizard-request-logging
dropwizard-e2e
dropwizard-json-logging

*****
Compile Dependencies
*****

net.sourceforge.argparse4j » argparse4j 0.8.1
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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>

For portions of the Tomcat JNI OpenSSL API and the OpenSSL JSSE integration  
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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:

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

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org.jdbi » jdbi 2.78  
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org.jdbi » jdbi3-core 3.5.1  
org.jdbi » jdbi3-sqlobject 3.5.1  
org.jdbi » jdbi3-jodatime2 3.5.1  
org.jdbi » jdbi3-guava 3.5.1  
  
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Here are people who have contributed to development Jackson JSON processor Hibernate module, version 2.x (version numbers in brackets indicate release in which the problem was fixed)

Tatu Saloranta, tatu.saloranta@iki.fi: author

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Contributors  
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Daan van Dijk (drvdijk@github):

#39: NullPointerException trying to serialize ManyToMany proxied values (2.2.3)

Edouard Oger (eoger@github)

#25/#59: Allow passing of `SessionFactory` to help with forced lazy-loading (2.5.0)

M. Tarik Yurt (mtyurt@github)

#67: Provide support for Hibernate 5.x (2.6.0)

Tiago Peruzzo (peruzzo@github)

#70: Infinite recursion due to `@JsonIgnoreProperties` not passed to property (2.6.5)

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com.fasterxml.jackson.core » jackson-core 2.9.8  
com.fasterxml.jackson.core » jackson-databind 2.9.8  
com.fasterxml.jackson.datatype » jackson-datatype-guava 2.9.8  
com.fasterxml.jackson.datatype » jackson-datatype-jsr310 2.9.8  
com.fasterxml.jackson.datatype » jackson-datatype-jdk8 2.9.8  
com.fasterxml.jackson.datatype » jackson-datatype-joda 2.9.8  
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org.slf4j » slf4j-api 1.7.26  
org.slf4j » jul-to-slf4j 1.7.26  
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io.dropwizard.metrics » metrics-core 4.0.5  
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io.dropwizard.metrics » metrics-jetty9 4.0.5  
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org.eclipse.jetty » jetty-util 9.4.14.v20181114



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org.eclipse.jetty » jetty-servlets 9.4.14.v20181114
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org.eclipse.jetty » jetty-continuation 9.4.14.v20181114
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org.apache.tomcat:tomcat-jsp-api
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org.apache.tomcat:tomcat-jasper-el
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org.apache.tomcat:tomcat-util-scan
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- \* org.apache.tomcat:tomcat-el-api
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- \* org.apache.tomcat:tomcat-util-scan
- \* org.apache.tomcat:tomcat-util
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Java bytecode engineering toolkit

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* org.apache.tomcat:tomcat-util-scan
* org.apache.tomcat:tomcat-util
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* org.apache.tomcat:tomcat-jasper
* org.apache.tomcat:tomcat-juli
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* org.apache.tomcat:tomcat-el-api
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* org.apache.tomcat:tomcat-api
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com.google.guava:failureaccess  
com.google.guava:listenablefuture
```

```
=== Source URL: https://github.com/google/guava/tree/v32.0.1/guava  
=== Source URL: https://github.com/google/guava/tree/v32.0.1/futures/  
failureaccess  
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listenablefuture9999
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Dependency: org.checkerframework:checker-qual
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=== Source URL: https://github.com/typetools/checker-framework/tree/checker-  
framework-3.33.0/checker-qual
```

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github.com/docker/distribution
github.com/docker/docker
github.com/docker/go-connections
github.com/docker/go-units
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github.com/golang/groupcache
github.com/google/gnostic
github.com/google/gofuzz
github.com/google/s2a-go
github.com/googleapis/enterprise-certificate-proxy
github.com/gophercloud/gophercloud
github.com/gophercloud/utils
github.com/gravitational/trace
github.com/hashicorp/cronexpr
github.com/iij/doapi
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github.com/prometheus/client_golang
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github.com/rancher/go-rancher-metadata
github.com/sacloud/api-client-go
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github.com/sacloud/iaas-api-go
github.com/sacloud/packages-go
github.com/scaleway/scaleway-sdk-go
github.com/softlayer/softlayer-go
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github.com/tencentcloud/tencentcloud-sdk-go/tencentcloud/dnspod
github.com/traefik/traefik
github.com/traefik/yaegi
github.com/uber/jaeger-client-go
github.com/uber/jaeger-lib
github.com/ultradns/ultradns-go-sdk
github.com/vinyldns/go-vinyldns
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github.com/fsnotify/fsnotify
github.com/gogo/protobuf
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github.com/google/go-cmp
github.com/google/go-github/v28
github.com/google/go-querystring
github.com/google/uuid
github.com/googleapis/gax-go/v2
github.com/imdario/mergo
github.com/spfl3/pflag
golang.org/x/crypto
golang.org/x/exp
golang.org/x/mod
golang.org/x/net
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golang.org/x/sys
golang.org/x/term
golang.org/x/text
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CopyrightValidation ...
CopyrightValidation PolicyViolationCategory = "CopyrightValidation"
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github.com/AdamsLevy/jsonrpc2/v14
github.com/Azure/azure-sdk-for-go
github.com/Azure/azure-sdk-for-go/sdk/azcore
github.com/Azure/azure-sdk-for-go/sdk/azidentity
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github.com/Azure/azure-sdk-for-go/sdk/internal
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github.com/HdrHistogram/hdrhistogram-go
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github.com/philhofer/fwd
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sigs.k8s.io/yaml

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== Dependency
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```

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* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
*
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```

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For the pcre component:

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PCRE is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language.

Written by: Philip Hazel <ph10@cam.ac.uk>

University of Cambridge Computing Service,  
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   =====
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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)  
 Michael Campanella (campanella@stevms.enet.dec.com)

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*/
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Pyphen is a pure Python module to hyphenate text using existing Hunspell hyphenation dictionaries.

This module is a fork of python-hyphenator, written by Wilbert Berendsen.

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```
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   version 1.2.7, May 2nd, 2012
```

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Jean-loup Gailly  
jloup@gzip.org

Mark Adler  
madler@alumni.caltech.edu

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

```
*/
```

----

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libjpeg-turbo-2.0.4/simd/powerpc/jdcolor-altivec.c
libjpeg-turbo-2.0.4/simd/powerpc/jdmerge-altivec.c
libjpeg-turbo-2.0.4/simd/powerpc/jdmrgext-altivec.c
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libjpeg-turbo-2.0.4/simd/i386/jdmerge-sse2.asm

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=== Public License Template ===

github.com/kardianos/service

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----- Dependency

golang.org/x/sys

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golang.org/x/sys

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### Provider: Daniel Veillard / Component(s): libvirt 4.5.0-36.el7

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**Provider: Databricks / Component(s): mlflow 2.2.2**

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was 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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                Certificate data from Mozilla as of: Thu Nov  3 19:04:19 2011#
                This is a bundle of X.509 certificates of public Certificate
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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
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https://hg.mozilla.org/mozilla-central/file/tip/security/nss/
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L-BFGS-B is a limited-memory quasi-Newton code for bound-
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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 written by Ciyou Zhu, Richard Byrd, and Jorge Nocedal
<nocedal@ece.nwu.edu>. It

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\* R. H. Byrd, P. Lu and J. Nocedal. A Limited Memory Algorithm for Bound Constrained Optimization, (1995), SIAM Journal on Scientific and 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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 To: Matt Haberland <mhaberland@calpoly.edu>

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Cc: Warren Weckesser <warren.weckesser@gmail.com>

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Agner Fog

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

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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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com.typesafe.akka » akka-persistence 2.12 2.5.13
com.typesafe.akka » akka-protobuf_2.12 2.5.13
com.typesafe.akka » akka-persistence-query_2.12 2.5.13
com.typesafe.akka » akka-stream_2.12 2.5.13
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**Provider: Didip Kerabat / Component(s): tollbooth 4.0.0**

tollbooth 4.0.0

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4P Dependencies

go-cache 2.1.0

github.com/patrickmn/go-cache

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golang.org/x/text version b19bf474d317b857955b12035d2c5acb57ce8b01 and  
golang.org/x/time version f51c12702a4d776e4c1fa9b0fabab841babae631

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**Provider: Dmitry Andrianov / Component(s): logstash-logback-encoder 5.3**

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Just configure this file as the SSLCACertificateFile.#

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Note - The component has NO 4th party components.

**Provider: Donald Becker, et al / Component(s): net-tools 2.0-0.22**

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org.glassfish.hk2.external:jakarta.inject

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clojure-complete/LICENSE
42363e0 on Jun 22, 2010
@ninjudd ninjudd initial commit
228 lines (184 sloc) 11 KB
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onelog 0.4.5

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clansi 1.3.0

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clj-logging-config 1.9.10

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clansi 1.3.0

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mapply 1.0.0

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clj-logging-config 1.9.10

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javax.servlet:servlet-api
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**Provider: EditorConfig Team / Component(s): EditorConfig extension for VS Code 0.16.6**

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```

## F to G

### Provider: Fabrice Bellard / Component(s): qemu-img 1.5.3

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node-fetch version 1.7.3

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object-assign version 4.1.1

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promise version 7.3.1

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prop-types version 15.6.2

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setimmediate version 1.0.5

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ua-parser-js version 0.7.18

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whatwg-fetch version 2.0.4

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**Provider: Facebook, Inc / Component(s): react 16.4.0**

The reactjs library includes following npm modules: react, react-dom, simple-cache-provider, create-subscription, react-art, react-is

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```
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  "loose-envify": "^1.1.0", MIT Copyright (c) 2015 Andres Suarez
  "object-assign": "^4.1.1", MIT Copyright (c) Sindre Sorhus
  "prop-types": "^15.6.0" MIT Copyright (c) 2013-present, Facebook, Inc.
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 art@0.10.3

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 asap@2.0.6

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core-js@1.2.7

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encoding@0.1.12

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fbjs@0.8.17

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iconv-lite@0.4.23

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is-stream@1.1.0

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js-tokens@4.0.0  
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loose-envify@1.4.0  
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is-stream@1.1.0

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node-fetch@1.7.3

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promise@7.3.1

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prop-types@15.6.2

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safer-buffer@2.1.2

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setimmediate@1.0.5

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whatwg-fetch@2.0.4

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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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typing-extensions

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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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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
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2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
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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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**Provider: FasterXML, LLC / Component(s): Jackson Annotations 2.17.0**

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Top level component : jackson-annotations 2.17.0
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**Provider: FasterXML, LLC / Component(s): Jackson Core 2.16.1**

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### Provider: FasterXML, LLC / Component(s): jackson-core 2.12.3

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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. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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### Provider: FasterXML, LLC / Component(s): jackson-core 2.14.1

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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 been in development since 2007. It is currently developed by a community of developers.

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jackson-core bundles a shaded copy of FastDoubleParser <<https://github.com/wrandelshofer/FastDoubleParser>>. That code is available under an MIT license <<https://github.com/wrandelshofer/FastDoubleParser/blob/main/LICENSE>>

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```
=====  
Fourth-party dependency : ch.randelshofer.fastdoubleparser  
=====
```

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```
=====  
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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 values.

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### Provider: FasterXML, LLC / Component(s): jackson-core 2.9.8

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**Provider: FasterXML, LLC / Component(s): jackson-dataformats-text 2.10.0**

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jackson-dataformat-text 2.9.8

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Modules:

csv  
properties  
yaml

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4P Dependencies:

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```
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com.fasterxml.jackson.core jackson-databind 2.9.7
com.fasterxml.jackson.core jackson-annotations 2.9.7
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jackson-dataformat-text 2.9.8
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=====  
 Modules:

csv  
 properties  
 yaml

=====  
 4P Dependencies:

com.fasterxml.jackson.core jackson-core 2.9.8  
 com.fasterxml.jackson.core jackson-databind 2.9.8  
 com.fasterxml.jackson.core jackson-annotations 2.9.8

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**Provider: FasterXML, LLC / Component(s): jackson-dataformat-yaml 2.16.1**

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## FastDoubleParser
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jackson-core bundles a shaded copy of FastDoubleParser <https://github.com/wrandelshofer/FastDoubleParser>.
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Jackson-databind v. 2.8.9

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Jackson-datatype-jdk8 2.9.0

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Jackson-databind v. 2.8.9

Source URL: <https://github.com/FasterXML/jackson-databind/tree/jackson-databind-2.8.9>

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## Source Code

The project maintains the following source code repositories:

* https://github.com/eclipse-ee4j/jaf
```

**Provider: FasterXML, LLC / Component(s): jackson-jaxrs-json-provider 2.9.7**

```
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### **Provider: FasterXML, LLC / Component(s): jackson-module-jaxb-annotations 2.10.2**

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**Provider: FasterXML, LLC / Component(s): jackson-module-jaxb-annotations 2.9.7**

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4P Dependencies:

```
com.fasterxml.jackson.core » jackson-core 2.9.8
com.fasterxml.jackson.core » jackson-core 2.9.8
com.fasterxml.jackson.core » jackson-databind 2.9.8
com.fasterxml.jackson.module » jackson-module-paranamer 2.9.8
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```
org.scala-lang » scala-library 2.12.8
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---  
 com.thoughtworks.paranamer:paranamer:jar:2.8

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**Provider: FasterXML,LLC / Component(s): Jackson Core 2.17.0**

```

=====
Top level component : jackson-core 2.17.0
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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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=====  
Fourth-party 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 values.

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```

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pyparser -- A C parser in Python

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http\_parser.rb

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strptime

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>
```

```
This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.
```

```
This program is distributed in the hope that it will be useful,
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GNU General Public License for more details.
```

```
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```

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

```
<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show
w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

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Version 3, 29 June 2007

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Version 3.1, 31 March 2009

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Version 3, 29 June 2007

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4P Dependencies:

package errors 0.8.0  
Package errors implements functions to manipulate errors.  
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---  
gin-gonic gin version 1.2  
github.com/gin-gonic/gin  
Package gin implements a HTTP web framework called gin.  
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net/http version 9ef9f5bb98a1fdc41f8cf6c250a4404b4085e389  
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time version fbb02b2291d28baffd63558aa44b4b56f178d650  
Package time provides functionality for measuring and displaying time.

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28. [github.com\imdario\mergo](https://github.com/imdario/mergo)

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47. github.com\pborman\uuid

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48.github.com\pkg\browser

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49.github.com\pkg\errors

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50.github.com\pmezard\go-difflib

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51. github.com\russross\blackfriday

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52. [github.com\sergi\go-diff](https://github.com/sergi/go-diff)

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53. [github.com\sirupsen\logrus](https://github.com/sirupsen/logrus)  
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54. [github.com\spf13\pflag](https://github.com/spf13/pflag)  
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55. github.com/src-d/gcfg  
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56. github.com/stretchr/testify



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```

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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**Provider: GoGo Authors / Component(s): Protocol Buffers for Go with Gadgets 1.2.1**

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**Provider: Gokmen Goksel / Component(s): hcl-to-json 0.1.1**

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signature of Ty Coon, 1 April 1989
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### Provider: golang-jwt maintainers / Component(s): jwt-go 4.41

github.com/golang-jwt/jwt/v4

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**Provider: Google / Component(s): fire 0.5.0**

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### **Provider: Google / Component(s): GoLang GRPC 1.10.0**

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com.google.auth:google-auth-library-credentials

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io.opencensus:opencensus-api

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com.google.api:gax-grpc
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io.grpc:grpc-grpclb
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== NAME OF DEPENDENCY 27
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com.google.protobuf:protobuf-java-util
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org.conscrypt:conscrypt-openjdk-uber  
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== NAME OF DEPENDENCY 30
io.grpc:grpc-netty-shaded
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io.grpc:grpc-core

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== NAME OF DEPENDENCY 34

org.codehaus.mojo:animal-sniffer-annotations

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== NAME OF DEPENDENCY 37

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com.google.auth:google-auth-library-oauth2-http

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== NAME OF DEPENDENCY 42

com.google.http-client:google-http-client

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== NAME OF DEPENDENCY 43

org.apache.httpcomponents:httpclient

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**Provider: Google / Component(s): Guava 27.1**

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 */
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Modules:  
guava-bom  
guava-gwt  
guava-testlib  
guava-tests  
guava  
refactorings  
util

=====

4P Dependencies:

com.google.code.findbugs » jsr305 3.0.2

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com.google.guava » failureaccess 1.0.1

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=====

com.google.guava » listenablefuture 9999.0-empty-...

/*
*An empty artifact that Guava depends on to signal that it is providing
*ListenableFuture -- but is also available in a second "version" that
*contains com.google.common.util.concurrent.ListenableFuture class, without
*any other Guava classes. The idea is:

*- If users want only ListenableFuture, they depend on listenablefuture-1.0.

*- If users want all of Guava, they depend on guava, which, as of Guava
27.0, depends on
*Listenablefuture-9999.0-empty-to-avoid-conflict-with-guava. The 9999.0-...
*version number is enough for some build systems (notably, Gradle) to select
*that empty artifact over the "real" listenablefuture-1.0 -- avoiding a
*conflict with the copy of ListenableFuture in guava itself. If users are
*using an older version of Guava or a build system other than Gradle, they
*may see class conflicts. If so, they can solve them by manually excluding
*the listenablefuture artifact or manually forcing their build systems to
*use 9999.0-....
*/

=====

com.google.j2objc » j2objc-annotations 1.1
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com.google.guava » guava2 vulnerabilities 31.0.1-jre 32.1.3-jre

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https://github.com/eclipse-ee4j/injection-api https://github.com/eclipse-ee4j/injection-spec https://github.com/eclipse-ee4j/injection-tck

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Cryptography
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== Dependency
org.ow2.asm » asm (optional) 9.5 9.6

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io.grpc:grpc-protobuf-lite

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----- Dependency 6

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com.google.api:api-common

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----- Dependency 7

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com.google.auto.value:auto-value-annotations

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javax.annotation:javax.annotation-api

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com.google.api.grpc:proto-google-common-protos

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com.google.auth:google-auth-library-credentials

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io.opencensus:opencensus-api

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io.grpc:grpc-context

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io.grpc:grpc-netty-shaded

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com.google.auth:google-auth-library-credentials

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io.grpc:grpc-grpclb
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com.google.re2j:re2j
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com.google.api:gax-httpjson
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com.google.code.gson:gson
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com.google.android:annotations

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org.codehaus.mojo:animal-sniffer-annotations

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

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

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

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

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
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Thanks to the many outside volunteers who have worked under Guido's

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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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(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
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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.

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== Dependency  
org.apache.lucene:lucene-queryparser

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org.apache.lucene:lucene-sandbox

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`analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt`,  
`analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt`,  
`analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt`,  
`analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt`  
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```
analysis/common/src/java/org/apache/lucene/analysis/de/
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analysis/common/src/java/org/apache/lucene/analysis/de/
GermanMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/
SpanishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fi/
FinnishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/
FrenchLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/
FrenchMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/hu/
HungarianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/it/
ItalianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/
PortugueseLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/ru/
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org.locationtech.jts:jts-core
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SPDX:EPL-2.0
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== Dependency
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== Dependency
org.osgi:org.osgi.service.jdbc
```

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== License Type
SPDX:Apache-2.0
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== Copyright
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== Dependency
org.osgi:osgi.annotation
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== Dependency
org.slf4j:slf4j-api
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== License Type
SPDX:MIT
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== Copyright
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\n\t"\"golang.org/x/tools/internal/lsp/diff\"\n\t"\"golang.org/x/tools/
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LICENSE file.\n\npackage diff test\n\nimport (\n\t\t"fmt"\n\t\t"math/rand
\n\t\t"strings"\n\t\t"testing"\n\t\t"golang.org/x/tools/internal/lsp/diff
\n\t\t"golang.org/x/tools/internal/lsp/diff/difftest"\n\t\t"golang.org/x/
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google.golang.org/grpc/status commit 028242f  
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golang.org/x/text 0.3.1-0.20180807135948-17ff2d5776d2  
golang.org/x/sys 0.0.0-20190222072716-a9d3bda3a223  
golang.org/x/oauth2 0.0.0-20190220154721-9b3c75971fc9  
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google.golang.org/grpc/stats commit 028242f  
google.golang.org/grpc/peer commit 028242f

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golang.org/x/time 0.0.0-20190308202827-9d24e82272b4  
golang.org/x/text 0.3.1-0.20180807135948-17ff2d5776d2

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golang.org/x/sys 0.0.0-20190222072716-a9d3bda3a223
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golang.org/x/net 0.0.0-20190311183353-d8887717615a
golang.org/x/crypto 0.0.0-20190308221718-c2843e01d9a2
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google.golang.org/grpc/status commit 028242f  
google.golang.org/grpc/stats commit 028242f  
google.golang.org/grpc/peer commit 028242f  
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google.golang.org/api/iterator commit 680697c
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golang.org/x/time 0.0.0-20190308202827-9d24e82272b4  
golang.org/x/text 0.3.1-0.20180807135948-17ff2d5776d2  
golang.org/x/sys 0.0.0-20190222072716-a9d3bda3a223  
golang.org/x/oauth2 0.0.0-20190220154721-9b3c75971fc9  
golang.org/x/net 0.0.0-20190311183353-d8887717615a  
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golang.org/x/sys 0.0.0-20190222072716-a9d3bda3a223  
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google.golang.org/grpc/stats commit 028242f
google.golang.org/grpc/peer commit 028242f
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google.golang.org/appengine/internal commit 54a98f9  
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google.golang.org/api/transport commit 680697c  
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golang.org/x/time 0.0.0-20190308202827-9d24e82272b4  
golang.org/x/text 0.3.1-0.20180807135948-17ff2d5776d2  
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google.golang.org/grpc/peer commit 028242f  
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# golang.org/x/crypto v0.0.0-20190308221718-c2843e01d9a2
# golang.org/x/net v0.0.0-20190311183353-d8887717615a
# golang.org/x/sys v0.0.0-20190222072716-a9d3bda3a223
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# github.com/hashicorp/go-cleanhttp v0.5.0
# github.com/hashicorp/go-getter v1.1.0
# github.com/hashicorp/go-multierror v1.0.0
# github.com/hashicorp/go-plugin v0.0.0-20190322172744-52e1c4730856
# github.com/hashicorp/go-safetemp v1.0.0
# github.com/hashicorp/go-uuid v1.0.1
# github.com/hashicorp/go-version v1.1.0
# github.com/hashicorp/hcl 1.0.0
# github.com/hashicorp/hcl2 v0.0.0-20190416162332-2c5a4b7d729a
# github.com/hashicorp/hil v0.0.0-20190212112733-ab17b08d6590
# github.com/hashicorp/logutils v1.0.0
# github.com/hashicorp/terraform v0.12.0-alpha4.0.20190424121927-9327eedb0417
# github.com/hashicorp/terraform-config-inspect
  v0.0.0-20190327195015-8022a2663a70
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# golang.org/x/crypto v0.0.0-20190308221718-c2843e01d9a2
# golang.org/x/net v0.0.0-20190311183353-d8887717615a
# golang.org/x/sys v0.0.0-20190222072716-a9d3bda3a223
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# github.com/mitchellh/go-testing-interface v1.0.0
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```

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====
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```
# golang.org/x/crypto v0.0.0-20190308221718-c2843e01d9a2
# golang.org/x/net v0.0.0-20190311183353-d8887717615a
# golang.org/x/sys v0.0.0-20190222072716-a9d3bda3a223
# golang.org/x/text v0.3.1-0.20180807135948-17ff2d5776d2
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```

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```
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```

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github.com/zclconf/go-cty v0.0.0-20190320224746-fd76348b9329  
NOTICE:
```

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```
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# github.com/hashicorp/hcl 1.0.0
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### Provider: Hugging Face / Component(s): datasets 2.17.1

```

===== Package: datasets =====
Name: datasets
Source code URL: https://github.com/huggingface/datasets
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===== Dependencies =====
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aiosignal (Apache License 2.0) [https://github.com/aio-libs/aiosignal]
async-timeout (Apache License 2.0) [https://github.com/aio-libs/async-
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```

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```

```
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 SSLCertificateFile.#
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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58
$
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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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|----------------|--------------|-----------|------------|---------------------|
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| 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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| 2.2 and above  | 2.1.1        | 2001-now  | PSF        | yes                 |

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

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 Name: typing-extensions.

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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                 |
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| 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      |
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**Provider: James Hurst / Component(s): lua-resty-http 0.13**

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4P Dependencies:

"call-me-maybe": "^1.0.1"

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"js-yaml": "^3.12.1"

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"ono": "^4.0.11"  
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**Provider: James Messinger / Component(s): swagger-parser 4.1.0**

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**Provider: James Saryerwinnie / Component(s): JMESPath 1.0.1**

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```
/* zlib.h -- interface of the 'zlib' general purpose compression library
   version 1.2.7, May 2nd, 2012
```

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

\*/

**Provider: Jean-loup Gailly and Mark Adler / Component(s): Zlib Data Compression Library 1.2.11**

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

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jloup@gzip.org

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**Provider: Jed Watson / Component(s): Classnames 2.2.5**

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- 1) colors v. 1.1.0
- 2) Istanbul v. 0.3.2
- 3) mocha v. 2.2.4
- 4) should v. 6.0.1

2) inherits@2.0.3:ISC

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lru-cache's Dev Dependency: 1) tap v.1.1.2.0

2) weak

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mkdirp's Dev Dependency: 1) tap v.1

2) mock-fs v. 2 >=2.7.0

- 5) benchmark@1.0.0:MIT

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2) tape v. 1.0.4

- 7) debug@2.2.0:MIT

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Debug's dependency - ms v. 0.7.1

Debug's Dev-dependencies - 1) broserify v.9.0.3  
2) Mocha v. \*

8) ms@0.7.1:MIT\*

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ms's Dev-dependencies - 1) serve v. \*  
2) Mocha v. \*  
3) expect.js: v. \*

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### Provider: Jeremy Saenz / Component(s): Cli 1.20.0

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**Provider: Joda.org / Component(s): joda-time 2.10.10**

joda-time 2.10.1

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**Provider: Jonathan Halterman / Component(s): Failsafe 3.2.1**

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**Provider: Kenneth Reitz / Component(s): certifi 2023.7.22**

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=====
This package contains a modified version of ca-bundle.crt:

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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
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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58
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urllib3

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certifi

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

It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php\_curl, or with an Apache+mod\_ssl webserver for SSL client authentication. Just configure this file as the SSLCACertificateFile.#

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

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chardet

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idna

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apipkg

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bleach

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click

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pluggy

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pytest-mock

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pytz



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requests

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```
Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/
certdata.txt?raw=1#
```

```
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCertificateFile.#
```

```
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```

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```

```
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```

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

```
-----

chardet
```

```
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Version 2.1, February 1999
```

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as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]
```

```
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```

```
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```

```
<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice
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idna

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alabaster

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apipkg

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bleach

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mock

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pluggy

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pycodeflakes

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pytz

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requests

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**Provider: Kirill Simonov / Component(s): pyyaml 3.13**

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**Provider: Kirolos Risk / Component(s): fuse.js 3.4.6**

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github.com/json-iterator/go 1.1.3-22-gf2b4162

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github.com/cloudflare/cfssl 1.3.1

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github.com/d2g/dhcp4

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github.com/spfl3/pflag v1.0.1

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gopkg.in/yaml.v2

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github.com/gophercloud/gophercloud

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github.com/bazelbuild/buildtools 0.6.0-60-g1a9c38e

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github.com/d2g/dhcp4client  
github.com/hashicorp/hcl  
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[github.com/syndtr/gocapability](https://github.com/syndtr/gocapability)

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github.com/magiconair/properties v1.7.0-4-g61b492c

goproperties - properties file decoder for Go

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`gopkg.in/warnings.v0 v0.1.1`

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`golang.org/x/oauth2`

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github.com/heketi/heketi v4.0.0-95-gaaf4061

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github.com/cyphar/filepath-securejoin v0.2.1-1-gae69057

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github.com/blang/semver v3.5.0

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github.com/godbus/dbus v3

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github.com/pkg/errors v0.8.0

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[github.com/miekg/dns](https://github.com/miekg/dns)

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[github.com/golang/protobuf](https://github.com/golang/protobuf) v1.1.0

Go support for Protocol Buffers - Google's data interchange format

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[github.com/mvdan/xurls](https://github.com/mvdan/xurls) v0.8.0-14-g1b768d7

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github.com/davecgh/go-spew v1.1.0-1-g782f496

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github.com/google/cadvisor v0.30.2

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github.com/fsnotify/fsnotify v1.3.1-1-gf12c623  
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[github.com/pmezard/go-difflib](https://github.com/pmezard/go-difflib)

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[github.com/evanphx/json-patch v3.0.0-23-g94e38aa](https://github.com/evanphx/json-patch)

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github.com/emicklei/go-restful 2.2.0-4-gff4f55a

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github.com/mxk/go-flowrate

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github.com/seccomp/libseccomp-golang

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github.com/onsi/gomega v1.0-122-gd59fa0a  
github.com/onsi/ginkgo v1.2.0-95-g67b9df7

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github.com/mailru/easyjson

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github.com/imdario/mergo 0.1.3-8-g6633656

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[github.com/jteeuwen/go-bindata v3.0.7-72-ga0ff256](https://github.com/jteeuwen/go-bindata)

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[golang.org/x/sys](https://golang.org/x/sys)  
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[google.golang.org/api](https://google.golang.org/api)

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[github.com/beorn7/perks](https://github.com/beorn7/perks)

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[github.com/pkg/sftp](https://github.com/pkg/sftp)

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github.com/daviddengcn/go-colortext
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[github.com/quobyte/api](https://github.com/quobyte/api)

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github.com/jmespath/go-jmespath 0.2.2-12-g0b12d6b

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github.com/inconshreveable/mousetrap v1.0

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vbom.ml/util

gopkg.in/natefinch/lumberjack.v2 v1.0-16-g20b71e5

bitbucket.org/bertimus9/systemstat

github.com/MakeNowJust/heredoc

github.com/matttn/go-shellwords v1.0.3-20-gf8471b0

github.com/mitchellh/mapstructure

github.com/armon/cirbuf

github.com/client9/misspell v0.3.0-7-g9ce5d97

github.com/renstrom/dedent v1.0.0-3-g020d11c

github.com/Microsoft/hcsshim v0.6.11

github.com/Microsoft/go-winio v0.4.5

github.com/ugorji/go

github.com/mohae/deepcopy

github.com/coreos/bbolt v1.3.1-coreos.6

github.com/xiang90/probing 0.0.1

github.com/onsi/ginkgo/reporters/stenographer/support/go-colorable  
v1.2.0-95-g67b9df7

github.com/exponent-io/jsonpath

github.com/spf13/jwalterweatherman

github.com/spf13/viper

github.com/spf13/cast

github.com/ghodss/yaml

github.com/rubiojr/go-vhd

```
github.com/pelletier/go-toml v1.0.1
github.com/sirupsen/logrus v1.0.3-11-g89742ae
github.com/influxdata/influxdb v1.1.1
github.com/Azure/go-ansiterm
github.com/asaskevich/govalidator v4-12-g593d645
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github.com/gorilla/websocket
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github.com/elazarl/goproxy v1.0-104-gc4fc265

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gopkg.in/gcfg.v1 v1.2.0  
gopkg.in/inf.v0 v0.9.0

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[github.com/gogo/protobuf](https://github.com/gogo/protobuf) v0.4-3-gc0656edd

Protocol Buffers for Go with Gadgets

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<http://github.com/gogo/protobuf>

Go support for Protocol Buffers - Google's data interchange format

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[github.com/stretchr/testify](https://github.com/stretchr/testify) v1.2.1-14-gc679ae2

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[github.com/elazarl/go-bindata-assetfs](https://github.com/elazarl/go-bindata-assetfs)

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[github.com/emicklei/go-restful-swagger12](https://github.com/emicklei/go-restful-swagger12) 1.0.1

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[github.com/JeffAshton/win\\_pdh](https://github.com/JeffAshton/win_pdh)

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[github.com/onsi/ginkgo/reporters/stenographer/support/go-isatty](https://github.com/onsi/ginkgo/reporters/stenographer/support/go-isatty) v1.2.0-95-g67b9df7

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github.com/PuerkitoBio/purell v1.0.0

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github.com/peterbourgon/diskv v2.0.1

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github.com/chai2010/gettext-go

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github.com/satori/go.uuid v1.1.0

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github.com/Nvveen/Gotty

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[github.com/shurcool/sanitized\\_anchor\\_name](https://github.com/shurcool/sanitized_anchor_name)

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[github.com/dgrijalva/jwt-go](https://github.com/dgrijalva/jwt-go) v3.0.0-4-g01aeca5

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github.com/pborman/uuid  
github.com/google/uuid 0.2-15-g8c31c18

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google.golang.org/api/googleapi/internal/writemplates

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Feb, 2010

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github.com/robfig/cron v1-53-gdf38d32

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github.com/opencontainers/selinux v1.0.0-rc1-5-g4a2974b
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github.com/json-iterator/go 1.1.3-22-gf2b4162

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[github.com/cloudflare/cfssl](https://github.com/cloudflare/cfssl) 1.3.1

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[github.com/d2g/dhcp4](https://github.com/d2g/dhcp4)

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github.com/spfl3/pflag v1.0.1

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gopkg.in/yaml.v2

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swagger-ui

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github.com/bazelbuild/buildtools 0.6.0-60-g1a9c38e

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github.com/d2g/dhcp4client  
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github.com/magiconair/properties v1.7.0-4-g61b492c

goproperties - properties file decoder for Go

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gopkg.in/warnings.v0 v0.1.1

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[golang.org/x/oauth2](https://golang.org/x/oauth2)

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[github.com/heketi/heketi](https://github.com/heketi/heketi) v4.0.0-95-gaaf4061

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github.com/cyphar/filepath-securejoin v0.2.1-1-gae69057

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github.com/blang/semver v3.5.0

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github.com/godbus/dbus v3

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github.com/pkg/errors v0.8.0

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[github.com/miekg/dns](https://github.com/miekg/dns)

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[github.com/golang/protobuf](https://github.com/golang/protobuf) v1.1.0

Go support for Protocol Buffers - Google's data interchange format

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[github.com/mvdan/xurls](https://github.com/mvdan/xurls) v0.8.0-14-g1b768d7

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[github.com/davecgh/go-spew](https://github.com/davecgh/go-spew) v1.1.0-1-g782f496

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github.com/google/cadvisor v0.30.2

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github.com/fsnotify/fsnotify v1.3.1-1-gf12c623  
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github.com/pmezard/go-difflib

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github.com/evanphx/json-patch v3.0.0-23-g94e38aa

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github.com/emicklei/go-restful 2.2.0-4-gff4f55a

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github.com/mxk/go-flowrate

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[github.com/seccomp/libseccomp-golang](https://github.com/seccomp/libseccomp-golang)

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[github.com/onsi/gomega v1.0-122-gd59fa0a](https://github.com/onsi/gomega)  
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github.com/mailru/easyjson

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github.com/imdario/mergo 0.1.3-8-g6633656

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github.com/jteeuwen/go-bindata v3.0.7-72-ga0ff256

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google.golang.org/api

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github.com/beorn7/perks

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github.com/pkg/sftp

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[github.com/daviddengcn/go-colortext](https://github.com/daviddengcn/go-colortext)

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[github.com/quobyte/api](https://github.com/quobyte/api)

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[github.com/jmespath/go-jmespath](https://github.com/jmespath/go-jmespath) 0.2.2-12-g0b12d6b

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[github.com/inconshreveable/mousetrap](https://github.com/inconshreveable/mousetrap) v1.0

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[gopkg.in/natefinch/lumberjack.v2](https://github.com/gopkg.in/natefinch/lumberjack.v2) v1.0-16-g20b71e5  
[bitbucket.org/bertimus9/systemstat](https://github.com/bitbucket.org/bertimus9/systemstat)  
[github.com/MakeNowJust/heredoc](https://github.com/MakeNowJust/heredoc)  
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[github.com/mitchellh/mapstructure](https://github.com/mitchellh/mapstructure)  
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[github.com/coreos/bbolt](https://github.com/coreos/bbolt) v1.3.1-coreos.6  
[github.com/xiang90/probing](https://github.com/xiang90/probing) 0.0.1  
[github.com/onsi/ginkgo/reporters/stenographer/support/go-colorable](https://github.com/onsi/ginkgo/reporters/stenographer/support/go-colorable)  
v1.2.0-95-g67b9df7  
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[github.com/pelletier/go-toml](https://github.com/pelletier/go-toml) v1.0.1  
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[github.com/Azure/go-ansiterm](https://github.com/Azure/go-ansiterm)  
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[github.com/gorilla/websocket](https://github.com/gorilla/websocket)

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[github.com/elazarl/goproxy v1.0-104-gc4fc265](https://github.com/elazarl/goproxy)

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gopkg.in/gcfg.v1 v1.2.0  
gopkg.in/inf.v0 v0.9.0

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github.com/gogo/protobuf v0.4-3-gc0656edd

Protocol Buffers for Go with Gadgets

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Go support for Protocol Buffers - Google's data interchange format

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github.com/stretchr/testify v1.2.1-14-gc679ae2

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[github.com/elazarl/go-bindata-assetfs](https://github.com/elazarl/go-bindata-assetfs)

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[github.com/emicklei/go-restful-swagger12](https://github.com/emicklei/go-restful-swagger12) 1.0.1

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[github.com/onsi/ginkgo/reporters/stenographer/support/go-isatty](https://github.com/onsi/ginkgo/reporters/stenographer/support/go-isatty) v1.2.0-95-g67b9df7

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github.com/PuerkitoBio/purell v1.0.0

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github.com/peterbourgon/diskv v2.0.1

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github.com/chai2010/gettext-go

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github.com/satori/go.uuid v1.1.0

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github.com/Nvveen/Gotty

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[github.com/shurcool/sanitized\\_anchor\\_name](https://github.com/shurcool/sanitized_anchor_name)

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[github.com/dgrijalva/jwt-go](https://github.com/dgrijalva/jwt-go) v3.0.0-4-g01aeca5

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github.com/pborman/uuid  
github.com/google/uuid 0.2-15-g8c31c18

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shell2junit

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github.com/robfig/cron v1-53-gdf38d32

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github.com/matttn/go-colorable
github.com/matttn/go-isatty
github.com/valyala/bytebufferpool
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golang.org/x/sys

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=== Attribution helper version: {Major:0 Minor:11 GitVersion:0.10.0-51-g062e3964-dirty

GitCommit:062e3964c5761de4ac8015d8019bb8814d4a12fd GitTreeState:dirty  
BuildDate:2022-08-19T20:24:46Z

GoVersion:go1.18.3 Compiler:gc Platform:darwin/amd64}

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=== License file based on go.mod with md5 sum:  
d3caecde3823d37d735c745760549154
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**Provider: LangChain, Inc. / Component(s): langchain 0.2.5**

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This binary distribution of NumPy also bundles the following software:

Name: OpenBLAS

Files: numpy/.dylibs/libopenblas\*.so

Description: bundled as a dynamically linked library

Availability: <https://github.com/OpenMathLib/OpenBLAS/>

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Description: bundled in OpenBLAS

Availability: <https://github.com/OpenMathLib/OpenBLAS/>

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Name: GCC runtime library

Files: numpy/.dylibs/libgfortran\*, numpy/.dylibs/libgcc\*

Description: dynamically linked to files compiled with gcc

Availability: <https://gcc.gnu.org/git/?p=gcc.git;a=tree;f=libgfortran>

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Version 3.1, 31 March 2009

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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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The zigurat methods were derived from Julia.

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Name: GCC runtime library

Files: numpy/.dylibs/libgfortran\*, numpy/.dylibs/libgcc\*

Description: dynamically linked to files compiled with gcc

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Files: numpy/.dylibs/libquadmath*.so
Description: dynamically linked to files compiled with gcc
Availability: https://gcc.gnu.org/git/?p=gcc.git;a=tree;f=libquadmath
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GCC Quad-Precision Math Library
Copyright (C) 2010-2019 Free Software Foundation, Inc.
Written by Francois-Xavier Coudert <fxcoudert@gcc.gnu.org>
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dragon4

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<https://gist.github.com/imneme/fl1f7821f07cf76504a97f6537c818083>

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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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```

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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:
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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=====

**Provider: Lasse Collin / Component(s): xz (liblzma) 5.2.5**

XY (liblzma)

<https://git.tukaani.org/?p=xz.git;a=blob;f=COPYING>

```

1
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3 =====
4
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10
11 - xz, xzdec, and lzmdec command line tools are in the public
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15
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48 notice to put into "about box" or into documentation:

```



```

49
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51
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59     binary wouldn't actually be in the public domain in its entirety
60     even though it contains no copyrighted code from the XZ Utils
source
61     package.
62
63     If you have questions, don't hesitate to ask the author(s) for more
64     information.
65
==== AUTHORS file ====
Authors of XZ Utils
=====
XZ Utils is developed and maintained by Lasse Collin
<lasse.collin@tukaani.org>.
Major parts of liblzma are based on code written by Igor Pavlov,
specifically the LZMA SDK <http://7-zip.org/sdk.html>. Without
this code, XZ Utils wouldn't exist.
The SHA-256 implementation in liblzma is based on the code found from
7-Zip <http://7-zip.org/>, which has a modified version of the SHA-256
code found from Crypto++ <http://www.cryptopp.com/>. The SHA-256 code
in Crypto++ was written by Kevin Springle and Wei Dai.
Some scripts have been adapted from gzip. The original versions
were written by Jean-loup Gailly, Charles Levert, and Paul Eggert.
Andrew Dudman helped adapting the scripts and their man pages for
XZ Utils.
The GNU Autotools-based build system contains files from many authors,
which I'm not trying to list here.
Several people have contributed fixes or reported bugs. Most of them
are mentioned in the file THANKS.

=====
Many source files in root have this
#####
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#
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# You can do whatever you want with this file.
#
#####

=== Files in liblzma have ===
/**
 2 * \file      api/lzma.h
 3 * \brief      The public API of liblzma data compression library
 4 *
 5 * liblzma is a public domain general-purpose data compression library
with
 6 * a zlib-like API. The native file format is .xz, but also the
old .lzma
 7 * format and raw (no headers) streams are supported. Multiple
compression

```

```

 8 * algorithms (filters) are supported. Currently LZMA2 is the primary
filter.
 9 *
10 * liblzma is part of XZ Utils <http://tukaani.org/xz/>. XZ Utils
includes
11 * a gzip-like command line tool named xz and some other tools. XZ
Utils
12 * is developed and maintained by Lasse Collin.
13 *
14 * Major parts of liblzma are based on Igor Pavlov's public domain LZMA
SDK
15 * <http://7-zip.org/sdk.html>.
16 *
17 * The SHA-256 implementation is based on the public domain code found
from
18 * 7-Zip <http://7-zip.org/>, which has a modified version of the
public
19 * domain SHA-256 code found from Crypto++ <http://www.cryptopp.com/>.
20 * The SHA-256 code in Crypto++ was written by Kevin Springle and Wei
Dai.
21 */
22
23 /*
24 * Author: Lasse Collin
25 *
26 * This file has been put into the public domain.
27 * You can do whatever you want with this file.
28 */
29
=====

// Authors:      Igor Pavlov
 7 //              Lasse Collin
 8 //
 9 // This file has been put into the public domain.
10 // You can do whatever you want with this file.

=== lzmainfo, xz, xzdec sources ===

1 //
 2 //
 3 /// \file      lzmainfo.c
 4 /// \brief     lzmainfo tool for compatibility with LZMA Utils
 5 //
 6 // Author:      Lasse Collin
 7 //
 8 // This file has been put into the public domain.
 9 // You can do whatever you want with this file.
10 //

11 //
12

===== common sources =====
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38 //              Joachim Henke
39 //
40 // This file has been put into the public domain.
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42 //

43 //
===== scripts sources =====
 2 .\" Authors: Andrew Dudman

```

```

3 .\"          Lasse Collin
4 .\"
5 .\" This file has been put into the public domain.
6 .\" You can do whatever you want with this file.
7 .\"
8 .\" (Note that this file is not based on gzip's zless.1.)
=

```

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com.fasterxml.jackson.core:jackson-annotation:2.9.9  
com.fasterxml.jackson.core:jackson-databind:2.9.9  
com.fasterxml.jackson.core:jackson-datatype-jdk8:2.9.9  
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enumeratum-argonaut  
enumeratum-circe  
enumeratum-core-jvm-tests/  
enumeratum-core  
enumeratum-json4s  
enumeratum-play-json  
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enumeratum-quill  
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4P Dependencies:

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test/YAMLParse

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**Provider: Luca Bruno / Component(s): rust-caps 0.0.1**

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4th Party Dependencies (also licensed under MIT/APACHE2):

- custom\_derive 0.1.7
- enum\_derive 0.1.7
- error-chain 0.10.0

### Provider: Lukas Krecan / Component(s): shedlock-provider-jdbc-template 4.35.0

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**Provider: Lukas Krecan / Component(s): shedlock-spring 4.35.0**

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### Provider: Łukasz Langa / Component(s): configparser 3.5.0

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json-iterator / go

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geojson-rewind

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geojson-types

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jsonlint-lines-primitives

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point-geometry

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tiny-sdf

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unitbezier: 0.0.0

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Ported from Webkit

<http://svn.webkit.org/repository/webkit/trunk/Source/WebCore/platform/graphics/UnitBezier.h>

vector-tile: 1.3.1

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whoots-js

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Csscolorparser

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Earcut

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geojson-vt

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gl-matrix

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grid-index: 1.1.0

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murmurhash-js

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Quickselect

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supercluster: 7.0.0

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**Provider: Marc Prud'hommeaux / Component(s): JLine 3.16.0**

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org.fusesource.jansi version 1.18
org.apache.sshd 2.1 to 2.4
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**Provider: Marian Palkus / Component(s): DefinitelyTyped enzyme type definitions 3.9.1**

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// Definitions by: Marian Palkus <https://github.com/MarianPalkus>
//                 Cap3 <http://www.cap3.de>
//                 Ivo Stratev <https://github.com/NoHomey>
//                 jwbay <https://github.com/jwbay>
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//                 Torgeir Hovden <https://github.com/thovden>
//                 Martin Hochele <https://github.com/hotell>
//                 Christian Rackerseder <https://github.com/screendriver>
// Definitions: https://github.com/DefinitelyTyped/DefinitelyTyped
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**Provider: Mark McGranaghan / Component(s): clj-time 0.11.0**

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**Provider: Mark Pilgrim / Component(s): chardet 3.0.4**

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Dependency: CARLOGO Font

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----> we renamed carlito -> carlogo to comply with the terms <----

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Dependency: QT4\_EDITOR

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Dependency: YORICK Colormap

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## AUTHOR

David H. Munro wrote Yorick and Gist. Berkeley Yacc (byacc) generated the Yorick parser. The routines in Math are from LAPACK and FFTPACK; MathC contains C translations by David H. Munro. The algorithms for Yorick's random number generator and several special functions in Yorick/include were taken from Numerical Recipes by Press, et. al., although the Yorick implementations are unrelated to those in Numerical Recipes. A small amount of code in Gist was adapted from the X11R4 release, copyright M.I.T. -- the complete copyright notice may be found in the (unused) file Gist/host.c.

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Dependency: SOLARIZED Color palette

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Dependency: Numpy:1.18.2

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Dependency: Pyparsing:2.4.7  
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Dependency: Kiwisolver:1.2.0

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Chris Colbert began the Kiwi project in December 2013 in an effort to create a blisteringly fast UI constraint solver. Chris is still the project lead.

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Dependency: Certifi:2020.6.20
```

```
This package contains a modified version of ca-bundle.crt:
ca-bundle.crt -- Bundle of CA Root Certificates
Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/
certdata.txt?raw=1#
```

```
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCertificateFile.#
```

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***** END LICENSE BLOCK *****
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```
@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58
$
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Version 2.0
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**Provider: Matthew Newville / Component(s): asteval 0.9.28**

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**Provider: Michael Thompson / Component(s): re-frame 0.4.1**

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

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

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| 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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python, version 3

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org.reactivestreams:reactive-streams

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com.fasterxml.jackson.dataformat:jackson-dataformat-xml

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com.fasterxml.jackson.core:jackson-databind

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Files: numpy/linalg/lapack\_lite/\*  
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Name: tempita

```
Files: tools/npv_tempita/*
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Name: dragon4
Files: numpy/core/src/multiarray/dragon4.c
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Name: libdivide
Files: numpy/core/include/numpy/libdivide/*
License: Zlib
  For license text, see numpy/core/include/numpy/libdivide/LICENSE.txt
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```
Name: Meson
Files: vendored-meson/meson/*
License: Apache 2.0
  For license text, see vendored-meson/meson/COPYING
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```
Name: spin
Files: .spin/cmds.py
License: BSD-3
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```
Name: OpenBLAS
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Name: LAPACK

Files: numpy.libs/libopenblas\*.so

Description: bundled in OpenBLAS

Availability: <https://github.com/OpenMathLib/OpenBLAS/>

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Name: GCC runtime library  
Files: numpy.libs/libgfortran\*.so  
Description: dynamically linked to files compiled with gcc  
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typing-extensions

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

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

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

Zope Corporation was a sponsoring member of the PSF.

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

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2 and above  | 2.1.1        | 2001-now  | PSF        | yes                 |

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

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

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*   file name:  UBiDiProps.java
*   encoding:   US-ASCII
*   tab size:   8 (not used)
*   indentation:4
*
*   created on: 2005jan16
*   created by: Markus W. Scherer
*
*   Low-level Unicode bidi/shaping properties access.
*   Java port of ubidi_props.h/.c.
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This locale data is based on the ICU's Vietnamese locale data (rev. 1.38)
found at:

http://oss.software.ibm.com/cvs/icu/icu/source/data/locales/vi.txt?rev=1.38
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<code>Replaceable</code> is an interface representing a string of characters that supports the replacement of a range of itself with a new string of characters. It is used by APIs that change a piece of text while retaining metadata. Metadata is data other than the Unicode characters returned by `char32At()`. One example of metadata is style attributes; another is an edit history, marking each character with an author and revision number.

<p>An implicit aspect of the <code>Replaceable</code> API is that during a replace operation, new characters take on the metadata of the old characters. For example, if the string "the <b>bold</b> font" has range (4, 8) replaced with "strong", then it becomes "the <b>strong</b> font".

<p><code>Replaceable</code> specifies ranges using a start offset and a limit offset. The range of characters thus specified includes the characters at offset start..limit-1. That is, the start offset is inclusive, and the limit offset is exclusive.

<p><code>Replaceable</code> also includes API to access characters in the string: <code>length()</code>, <code>charAt()</code>, <code>char32At()</code>, and <code>extractBetween()</code>.

<p>For a subclass to support metadata, typical behavior of <code>replace()</code> is the following:

<ul>  
<li>Set the metadata of the new text to the metadata of the first

```

character replaced</li>
<li>If no characters are replaced, use the metadata of the
previous character</li>
<li>If there is no previous character (i.e. start == 0), use the
following character</li>
<li>If there is no following character (i.e. the replaceable was
empty), use default metadata<br>
<li>If the code point U+FFFF is seen, it should be interpreted as
a special marker having no metadata<li>
</li>
</ul>
If this is not the behavior, the subclass should document any differences.

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@author Alan Liu
@stable ICU 2.0

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<code>ReplaceableString</code> is an adapter class that implements the
<code>Replaceable</code> API around an ordinary <code>StringBuffer</code>.

<p><em>Note:</em> This class does not support attributes and is not
intended for general use. Most clients will need to implement
{@link Replaceable} in their text representation class.

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@see Replaceable
@author Alan Liu
@stable ICU 2.0

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org.reactivestreams:reactive-streams:jar
io.projectreactor:reactor-core:jar
com.microsoft.graph:microsoft-graph:jar
com.google.code.gson:gson:jar
com.microsoft.graph:microsoft-graph-core:jar
com.azure:azure-core:jar
com.fasterxml.jackson.core:jackson-annotations:jar
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com.fasterxml.jackson.datatype:jackson-datatype-jsr310:jar
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org.codehaus.woodstox:stax2-api:jar
com.fasterxml.woodstox:woodstox-core:jar
org.slf4j:slf4j-api:jar
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com.google.guava:listenablefuture:jar
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com.google.errorprone:error_prone_annotations:jar
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com.squareup.okhttp3:okhttp:jar
com.squareup.okio:okio-jvm:jar
org.jetbrains.kotlin:kotlin-stdlib-jdk8:jar
org.jetbrains.kotlin:kotlin-stdlib-jdk7:jar
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org.reactivestreams:reactive-streams

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com.github.spotbugs:spotbugs-annotations

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com.fasterxml.jackson.core:jackson-databind
com.fasterxml.jackson.core:jackson-core
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```
# Jackson JSON processor
```

```
Jackson is a high-performance, Free/Open Source JSON processing library.
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It is currently developed by a community of developers.
```

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**Provider: Microsoft Corporation / Component(s): azure-core-http-netty 1.13.9**

```
----- Top-level dependency
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\* HOMEPAGE:  
\* <https://github.com/takari/maven-wrapper>

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* https://www.opensource.apple.com/source/configd/configd-453.19/
dnsinfo/dnsinfo.h
```

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```

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```
io.projectreactor.netty:reactor-netty-core
io.projectreactor.netty:reactor-netty-http
io.projectreactor:reactor-core
```

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```
com.fasterxml.jackson.core:jackson-annotations
com.fasterxml.jackson.core:jackson-core
com.fasterxml.jackson.core:jackson-databind
com.fasterxml.jackson.datatype:jackson-datatype-jsr310
io.projectreactor:reactor-core
```

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Files: numpy.libs/libopenblas\*.so

Description: bundled in OpenBLAS

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dragon4

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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

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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. 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.

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|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2 and above  | 2.1.1        | 2001-now  | PSF        | yes                 |

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**Provider: Mitchell Hashimoto / Component(s): go-testing-interface 1.0.0**

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lenses  
runtimeJS,  
runtimeJVM,  
grpcRuntime,  
compilerPlugin,  
compilerPluginShaded,  
proptest,  
scalapbc  
scalapb-runtime

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org.scala-lang » scala-library 2.12.8

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com.lihaoyi » fastparse\_2.12 1.0.0  
com.lihaoyi » fastparse-utils\_2.12 1.0.0  
com.lihaoyi » sourcecode\_2.12 0.1.4

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io.grpc » grpc-protobuf 1.18.0
io.grpc » grpc-core 1.18.0
io.grpc » grpc-protobuf-lite 1.18.0
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com.google.api.grpc » proto-google-common-protos 1.12.0
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**Provider: Nadav S. Samet / Component(s): scalapb-json4s 0.7.2**

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[https://github.com/nurse/ext\\_monitor.git](https://github.com/nurse/ext_monitor.git)

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lumberjack

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**Provider: Nathan Voxland / Component(s): Liquibase 4.3.5**

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**Provider: Nathan Voxland / Component(s): liquibase-core 4.18.0**

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**Provider: Network New Technologies Inc. / Component(s): json-schema-validator 1.0.49**

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**Provider: Nginx / Component(s): Nginx 1.12.2**

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**Provider: Nicolaas Johannes Out / Component(s): fast-stable-stringify 1.0.0**

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SipHash reference C implementation
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=== src/compat.h src/compat-inl.h ===

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osrg/gobgp

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apache/channels 1.1.0



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eaapache/queue 1.0.2

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jessevdk/go-flags 1.3.0

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kr/pretty cfb55aafdaf3ec08f0db22699ab822c50091b1c4

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magiconair/properties 1.7.3

goproperties - properties file decoder for Go

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mitchellh/mapstructure d0303fe809921458f417bcf828397a65db30a7e4

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satori/go.uuid 36e9d2ebbde5e3f13ab2e25625fd453271d6522e

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socketplane/libovsdb

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golang/protobuf

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spf13/pflag

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tomb.v2

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tomb - support for clean goroutine termination in Go.

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x/net

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x/sys

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x/tools

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kr/text

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go-spew                    v1.1.0

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go-farm

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mousetrap

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Lapack-lite:3.1.1
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Version 3.1, 31 March 2009

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dragon4

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

<https://gist.github.com/inneme/flf7821f07cf76504a97f6537c818083>

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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 zigurat methods were derived from Julia.

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#### Components

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org.apache.felix:org.apache.felix.main
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org.apache.httpcomponents:httpclient
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org.khronos:opengl-api
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----- Dependency
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```
org.osgi:org.osgi.core
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com.google.android:android
org.apache.felix:org.apache.felix.framework
org.apache.felix:org.apache.felix.main
org.apache.httpcomponents:httpclient
org.apache.httpcomponents:httpcore
org.khronos:opengl-api
org.osgi:org.osgi.core
org.osgi:org.osgi.enterprise

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call0n

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typing\_extensions:

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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.

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|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

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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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Mersenne Twister  
-----

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

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

Before using, initialize the state by using `init_genrand(seed)`  
or `init_by_array(init_key, key_length)`.

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<http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html>

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Sockets

-----

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

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Floating point exception control

-----

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```

MD5 message digest algorithm  
-----

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L. Peter Deutsch  
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

<http://www.ietf.org/rfc/rfc1321.txt>

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.  
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.  
1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5);

added conditionalization for C++ compilation from Martin  
Purschke <purschke@bnl.gov>.  
1999-05-03 lpd Original version.

Asynchronous socket services  
-----

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-----

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Execution tracing  
-----

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UUencode and UUdecode functions  
-----

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Modified by Jack Jansen, CWI, July 1995:

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

XML Remote Procedure Calls  
-----

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`test_epoll`  
 -----

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`Select kqueue`  
 -----

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strtod and dtoa

-----

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

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```

OpenSSL

-----

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```

zlib
----

```

The :mod:`zlib` extension is built using an included copy of the zlib sources if the zlib version found on the system is too old to be used for the build::

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:::
# Original version written by Greg Stein (gstein@lyra.org)
#                               and Bill Tutt (rassilon@lima.mudlib.org)
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#
# Modifications and improvements for Python 2.0 by Jeremy Hylton and
# Mark Hammond
#
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.....

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A C-program for MT19937, with initialization improved 2002/1/26.  
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UUencode and UUdecode functions

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Modified by Jack Jansen, CWI, July 1995:

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

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Original location:

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

Solution inspired by code from:

Samuel Neves ([superfjord/cryptauth/siphash24/little](https://github.com/superfjord/cryptauth))

djb ([superfjord/cryptauth/siphash24/little2](https://github.com/superfjord/cryptauth))

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

strtod and dtoa

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

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|                  |                           |
|------------------|---------------------------|
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Mersenne Twister

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

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

Before using, initialize the state by using `init_genrand(seed)` or `init_by_array(init_key, key_length)`.

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<http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html>

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

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Modified by Jack Jansen, CWI, July 1995:

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

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Original location:

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

Solution inspired by code from:

Samuel Neves (supercop/crypto\_auth/siphash24/little)

djb (supercop/crypto\_auth/siphash24/little2)

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

strtod and dtoa

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

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ASM: a very small and fast Java bytecode manipulation framework

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Fourth party dependencies  
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Name: notebook 5.7.4  
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Dependency 2:

```
Name: jupyterlab-server 0.2.0
```

```
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Info=====

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Fourth party public dependencies
#####
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aiosqlite
anyio
appnope
argon2-cffi
argon2-cffi-bindings
asttokens
attrs
babel
beautifulsoup4
bleach
certifi
cffi
charset-normalizer
comm
debugpy
decorator
defusedxml
entrypoints
executing
fastjsonschema
idna
ipykernel
ipython
ipython-genutils
jedi
jinja2
json5
jsonschema
jsonschema-specifications
```

```
jupyter-client
jupyter-core
jupyter-events
jupyter-server
jupyter-server-fileid
jupyter-server-terminals
jupyter-server-ydoc
jupyter-ydoc
jupyterlab
jupyterlab-pygments
jupyterlab-server
markupsafe
matplotlib-inline
mistune
nbclassic
nbclient
nbconvert
nbformat
nest-asyncio
notebook
notebook-shim
overrides
packaging
pandocfilters
parso
pexpect
platformdirs
prometheus-client
prompt-toolkit
psutil
ptyprocess
pure-eval
pycparser
pygments
python-dateutil
python-json-logger
pyyaml
pymzq
referencing
requests
rfc3339-validator
rfc3986-validator
rpds-py
send2trash
six
sniffio
soupsieve
stack-data
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pyparser -- A C parser in Python

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"react-dom": "^15.3.0 || ^16.0.0"
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### Provider: PostgreSQL Database Management System / Component(s): PostgreSQL 10.5

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**Provider: Plotly / Component(s): plotly.js 1.43.1**

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glslify 6.3.1

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has-passive-events 1.0.0

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regl 1.3.11

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regl-error2d 2.0.5

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world-calendars 1.0.3

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spring-boot-actuator:jar:2.4.5
spring-boot-actuator-autoconfigure:jar:2.4.5
spring-boot-autoconfigure:jar:2.4.5
spring-boot-configuration-metadata:jar:2.4.5
spring-boot-properties-migrator:jar:2.4.5
spring-boot-starter:jar:2.4.5
spring-boot-starter-actuator:jar:2.4.5
spring-boot-starter-aop:jar:2.4.5
spring-boot-starter-cache:jar:2.4.5
spring-boot-starter-data-jpa:jar:2.4.5
spring-boot-starter-jdbc:jar:2.4.5
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spring-boot-starter-log4j2:jar:2.4.5
spring-boot-starter-logging:jar:2.4.5
spring-boot-starter-tomcat:jar:2.4.5
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spring-web:jar:5.3.6
spring-webmvc:jar:5.3.6
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Other developers who have contributed code are:

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- javaee\_web\_services\_1\_2.xsd
- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
- javaee\_web\_services\_1\_3.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
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- web-common_3_1.xsd
- web-fragment_3_1.xsd
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- web-app_4_0.xsd
- web-common_4_0.xsd
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may be obtained from:

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base64.cpp and base64.h

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**Provider: Peter Bourgon / Component(s): oklog/run 1.0.0**

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net-sftp, version 2.1.2

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net-ssh, version 2.9

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net-ssh-multi, version 1.2.1

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ohai, version 8.6.0

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plist, version 3.2

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proxifier, version 1.0

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rspec\_junit\_formatter, version 0.2.0

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serverspec, version 2.7

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specinfra, version 2.10

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syslog-logger, version 1.6

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uuidtools, version 2.1.5

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4P Dependencies:

go-lang 1.2

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=====  
Modules:

avl  
icp  
nvpair  
unicode  
zcommon  
zfs  
zpios

=====  
4P Dependencies:

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The latest stable and development versions of this port can be downloaded from the official ZFS on Linux site located at:

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zfsonlinux/spl 0.7.12  
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org.checkerframework:checker-compat-qual
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golang.org/x/net version master:1c05540f6879653db88113bc4a2b70aec4bd491f
golang.org/x/sync version master:1d60e4601c6fd243af51cc01ddf169918a5407ca
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python-dateutil

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ujson

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yajl-ruby

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**Provider: Ralf S. Engelschall / Component(s): mod\_ssl 2.8.30-1.3.39**

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```

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*
*/

```

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```
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```

For the server\util\_md5.c component:

```

/*****
* NCSA HTTPd Server
* Software Development Group
* National Center for Supercomputing Applications
* University of Illinois at Urbana-Champaign
* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
*
* Copyright (C) 1995, Board of Trustees of the University of Illinois
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 */
/*
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 * MD5 crypt() function, which is licenced as follows:
 *
-----
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 * <phk@login.dknet.dk> wrote this file.  As long as you retain this notice
you
 * can do whatever you want with this stuff.  If we meet some day, and you
think
 * this stuff is worth it, you can buy me a beer in return.  Poul-Henning
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 *
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```

For the srclib\apr-util\xml\expat\conf\tools\install-sh component:

```
#
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# This comes from X11R5 (mit/util/scripts/install.sh).
#
```

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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)  
Michael Campanella (campanella@stevms.enet.dec.com)

```
*/
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For the expat xml parser component:

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**Provider: Rana Ian / Component(s): ora 4.1.15**

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4P Dependencies:

six>-1.5.2

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popper.js 1.14.1

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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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contrib
csharp
customize
daemon
df
dib
diff
docs
edit
erlang
examples
fish
format
fuse
generator
get-kernel
gobject
golang
haskell
inspector
java
lib
logo
lua
m4
make-fs
ocaml
p2v
perl
php
po-docs
po
python
rescue
resize
ruby
sparsify
sysprep
test-data
test-tool
tests
tmp
tools
utils
v2v
website
```

**Provider: Red Hat Middleware LLC / Component(s): hibernate-core 5.4.28.Final**

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Other developers who have contributed code are:

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"\n\t"golang.org/x/tools/internal/lsp/diff"\n\t"golang.org/x/tools/
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"\n\t"strings"\n\t"testing"\n\t"github.com/google/safehtml/template
"\n\t"golang.org/x/tools/internal/lsp/diff"\n\t"golang.org/x/tools/
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LICENSE file.\n\npackage diff_test\n\nimport (\n\t"fmt"\n\t"math/rand
"\n\t"strings"\n\t"testing"\n\t"golang.org/x/tools/internal/lsp/diff
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Version 2.1, February 1999

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---

com.fasterxml.jackson.core:jackson-annotations:2.11.2  
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---

com.fasterxml.jackson.core:jackson-core:2.11.2  
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com.fasterxml.jackson.core:jackson-databind:2.11.2

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com.fasterxml.jackson.dataformat.javaprop:JavaPropsFactory

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com.fasterxml.jackson.module:jackson-module-jaxb-annotations:2.11.2

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com.github.mifmif:generex:1.0.2
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com.squareup.okhttp3:logging-interceptor:3.12.12
```

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com.squareup.okio:okio:1.15.0
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```
dk.brics.automaton:automaton:1.11-8
```

```
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io.fabric8:kubernetes-client:4.13.1
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io.fabric8:kubernetes-model-admissionregistration:4.13.1
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io.fabric8:kubernetes-model-apiextensions:4.13.1
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io.fabric8:kubernetes-model-apps:4.13.1
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io.fabric8:kubernetes-model-batch:4.13.1
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io.fabric8:kubernetes-model-common:4.13.1
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io.fabric8:kubernetes-model-core:4.13.1
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io.fabric8:kubernetes-model-node:4.13.1
```

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io.fabric8:kubernetes-model-scheduling:4.13.1
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io.fabric8:kubernetes-model-storageclass:4.13.1
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org.slf4j:slf4j-api:1.7.30
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org.yaml:snakeyaml:1.26
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---

com.fasterxml.jackson.module:  
jackson-module-jaxb-annotations (upgraded compile dependency from 2.7.5 to 2.9.6)  
jackson-core (upgraded compile dependency from 2.7.5 to 2.9.5)  
jackson-annotations (upgraded compile dependency from 2.7.0 to 2.9.5)  
jackson-databind (upgraded compile dependency from 2.7.5 to 2.9.5)  
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com.squareup.okhttp3.okhttp; Version: 3.9.1  
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com.squareup.okhttp3.logging-interceptor; Version: 3.9.1  
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com.fasterxml.jackson.core jackson-databind (upgraded compile dependency from 2.3.2 to 2.9.5)  
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com.github.mifmif.generex; Version: 1.0.1  
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Component: dk.brics.automaton.automaton; Version: 1.11-8
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com.fasterxml.jackson.module:

jackson-module-jaxb-annotations (upgraded compile dependency from 2.7.5 to 2.9.6)

jackson-core (upgraded compile dependency from 2.7.5 to 2.9.5)

jackson-annotations (upgraded compile dependency from 2.7.0 to 2.9.5)

jackson-databind (upgraded compile dependency from 2.7.5 to 2.9.5)

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com.squareup.okio; Version 1.13.0

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com.squareup.okhttp3.logging-interceptor; Version: 3.9.1

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org.slf4j.jul-to-slf4j; Version: 1.7.13

org.slf4j.slf4j-api; Version: 1.7.13

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com.fasterxml.jackson.core jackson-databind (upgraded compile dependency from 2.3.2 to 2.9.5)  
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Component: dk.brics.automaton.automaton; Version: 1.11-8  
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com.fasterxml.jackson.module:  
jackson-dataformat-yaml (upgraded compile dependency from 2.7.7 to 2.9.7)  
jackson-core (upgraded compile dependency from 2.7.7 to 2.9.7)  
jackson-annotations (upgraded compile dependency from 2.7.0 to 2.9.7)  
jackson-databind (upgraded compile dependency from 2.7.5 to 2.9.7)  
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com.fasterxml.jackson.core jackson-databind (upgraded compile dependency
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master/README.md
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**Provider: RedHat, Inc., JBoss community / Component(s): RESTEasy 3.6.3.Final**

**Provider: Regents of the University of California / Component(s): Jay 9ffc59a**

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**Provider: Robert Winkler and Bohdan Storozhuk / Component(s): resilience4j-circuitbreaker 1.7.1**

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**Provider: Samuel Audet / Component(s): JavaCPP 1.5.2**

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## References

- \* R. H. Byrd, P. Lu and J. Nocedal. A Limited Memory Algorithm for Bound Constrained Optimization, (1995), SIAM Journal on Scientific and 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.

----- ID, embedded dependency of scipy (3-clause BSD) [scipy/linalg/src/id\_dist/\*] -----

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 sparse/linalg/eigen/arpack/ARPACK/\*] -----  
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 scale eigenvalue problems.  
 The package is designed to compute a few eigenvalues and corresponding  
 eigenvectors of a general  $n$  by  $n$  matrix  $A$ . It is most appropriate for large  
 sparse or structured matrices  $A$  where structured means that a matrix-vector  
 product  $w \leftarrow Av$  requires order  $n$  rather than the usual order  $n^2$  floating  
 point operations. This software is based upon an algorithmic variant of the  
 Arnoldi process called the Implicitly Restarted Arnoldi Method (IRAM). When  
 the matrix  $A$  is symmetric it reduces to a variant of the Lanczos process  
 called the Implicitly Restarted Lanczos Method (IRLM). These variants may be  
 viewed as a synthesis of the Arnoldi/Lanczos process with the Implicitly  
 Shifted QR technique that is suitable for large scale problems. For many  
 standard problems, a matrix factorization is not required. Only the action  
 of the matrix on a vector is needed. ARPACK software is capable of solving  
 large scale symmetric, nonsymmetric, and generalized eigenproblems from  
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 eigenvalues with user specified features such as those of largest real part  
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 locations.  
 No auxiliary storage is required. A set of Schur basis vectors for the  
 desired  
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 precision. Numerically accurate eigenvectors are available on request.  
 Important Features:

- o Reverse Communication Interface.
- o Single and Double Precision Real Arithmetic Versions for Symmetric,  
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- o or Generalized Problems.
- o Routines for Banded Matrices - Standard or Generalized Problems.
- o Routines for The Singular Value Decomposition.
- o Example driver routines that may be used as templates to implement numerous Shift-Invert strategies for all problem types, data types and precision.

----

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----- Biasedurn, embedded dependency of scipy (3-clause BSD) [scipy/stats/biasedurn/\*] -----

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----- Forwarded message -----

From: Agner Fog <agner@agner.org>

Date: Wed, Jul 22, 2020 at 8:54 PM

Subject: Re: Add BiasedUrn to SciPy?

To: Matt Haberland <mhaberland@calpoly.edu>

Cc: Warren Weckesser <warren.weckesser@gmail.com>

Dear Matt The C++ code for these distributions without binding to the R project

are available here:

<https://www.agner.org/random/stocc.zip>

You have my permission to use it in SciPy under the new BSD license.

Best regards,

Agner Fog

On 22/07/2020 17.05, Matt Haberland wrote:

Hi Agner, I'm a maintainer of the Python scientific computing library SciPy,

and I'm working on improving the capabilities of our statistics subpackage

scipy.stats. We'd like to add both Fisher's and Wallenius' noncentral hypergeometric distributions, but these look quite challenging to implement.

We found your BiasedUrn package, and we'd love to wrap it, but we can't



include GPL-3 licensed code under our BSD-new license. Would you consider re-licensing BiasedUrn under a more permissive license, such as BSD-new or MIT, so we can include it in SciPy?

Thank you for considering it!

Matt

--

Matt Haberland  
Assistant Professor  
BioResource and Agricultural Engineering  
08A-3K, Cal Poly

----- UNU.RAN, embedded dependency of scipy (3-clause BSD) [scipy/\_lib/unuran/\*] -----

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Permission was granted on 23 March 2021 by Josef Leydold (josef.leydold@wu.ac.at) and Wolfgang Hoermann (hormannw@bound.edu.tr) to use the UNU.RAN code excluding the uniform random number generator in src/uniform/mrg31k3p.c (copyright by Renee Touzin) under the BSD licence. The following files have been removed from the original library:

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- unuran-1.8.1/acinclude.m4
- unuran-1.8.1/aclocal.m4
- unuran-1.8.1/autoconf/config.guess
- unuran-1.8.1/autoconf/config.sub
- unuran-1.8.1/autoconf/depcomp
- unuran-1.8.1/autoconf/install-sh
- unuran-1.8.1/autoconf/ltmain.sh
- unuran-1.8.1/autoconf/mdate-sh
- unuran-1.8.1/autoconf/missing
- unuran-1.8.1/autogen.sh
- unuran-1.8.1/configure
- unuran-1.8.1/doc/Makefile.am
- unuran-1.8.1/doc/Makefile.in
- unuran-1.8.1/doc/figures/Makefile.am
- unuran-1.8.1/doc/figures/Makefile.in
- unuran-1.8.1/doc/figures/discrete\_inversion.eps
- unuran-1.8.1/doc/figures/discrete\_inversion.pdf
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- unuran-1.8.1/doc/figures/inversion.txt
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- unuran-1.8.1/doc/src/README
- unuran-1.8.1/doc/src/arvag.dh
- unuran-1.8.1/doc/src/error\_debug.dh

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unuran-1.8.1/tests/t_mvtdr.c
unuran-1.8.1/tests/t_ninv.c
unuran-1.8.1/tests/t_ninv.conf
unuran-1.8.1/tests/t_norta.c
unuran-1.8.1/tests/t_norta.conf
unuran-1.8.1/tests/t_nrou.c
unuran-1.8.1/tests/t_nrou.conf
unuran-1.8.1/tests/t_pinv
unuran-1.8.1/tests/t_pinv.c
unuran-1.8.1/tests/t_srou.c
unuran-1.8.1/tests/t_srou.conf
unuran-1.8.1/tests/t_ssr.c
unuran-1.8.1/tests/t_ssr.conf
unuran-1.8.1/tests/t_stringparser.c
unuran-1.8.1/tests/t_stringparser.conf
unuran-1.8.1/tests/t_tabl.c
unuran-1.8.1/tests/t_tabl.conf
unuran-1.8.1/tests/t_tdr.c
unuran-1.8.1/tests/t_tdr.conf
unuran-1.8.1/tests/t_tdr_gw.c
unuran-1.8.1/tests/t_tdr_gw.conf
unuran-1.8.1/tests/t_tdr_ia.c
unuran-1.8.1/tests/t_tdr_ia.conf
unuran-1.8.1/tests/t_tdr_ps.c
```

```

unuran-1.8.1/tests/t_tdr_ps.conf
unuran-1.8.1/tests/t_unif.c
unuran-1.8.1/tests/t_unif.conf
unuran-1.8.1/tests/t_unur_error.c
unuran-1.8.1/tests/t_unur_error.conf
unuran-1.8.1/tests/t_unur_tests.c
unuran-1.8.1/tests/t_unur_tests.conf
unuran-1.8.1/tests/t_urng.c
unuran-1.8.1/tests/t_urng.conf
unuran-1.8.1/tests/t_utdr.c
unuran-1.8.1/tests/t_utdr.conf
unuran-1.8.1/tests/t_util_matrix.c
unuran-1.8.1/tests/t_util_matrix.conf
unuran-1.8.1/tests/t_vempk.c
unuran-1.8.1/tests/t_vempk.conf
unuran-1.8.1/tests/t_vnrou.c
unuran-1.8.1/tests/t_vnrou.conf
unuran-1.8.1/tests/t_x_gen.c
unuran-1.8.1/tests/t_x_gen.conf
unuran-1.8.1/tests/test_StdDistr.c
unuran-1.8.1/tests/test_StdDistr.m
unuran-1.8.1/tests/test_functionparser.c
unuran-1.8.1/tests/test_functionparser.m
unuran-1.8.1/tests/testcounter.c
unuran-1.8.1/tests/testdistributions/Makefile.am
unuran-1.8.1/tests/testdistributions/Makefile.in
unuran-1.8.1/tests/testdistributions/c_sawtooth_contpdf.c
unuran-1.8.1/tests/testdistributions/c_sawtooth_discpdf.c
unuran-1.8.1/tests/testdistributions/c_w_pdf_from_logpdf.c
unuran-1.8.1/tests/testdistributions/c_with_multiple_of_pdf.c
unuran-1.8.1/tests/testdistributions/c_wo_logpdf.c
unuran-1.8.1/tests/testdistributions/testdistributions.h
unuran-1.8.1/tests/testdistributions/vc_cauchy_ROU_ball.c
unuran-1.8.1/tests/testdistributions/vc_special_correlations_ar1.c
unuran-1.8.1/tests/testdistributions/
vc_special_correlations_constantrho.c
unuran-1.8.1/tests/testdistributions/vc_w_marginals.c
unuran-1.8.1/tests/testdistributions/vc_wo_logpdf.c
unuran-1.8.1/tests/testroutines.c
unuran-1.8.1/tests/testunuran.h
unuran-1.8.1/src/distr/deprecated_distr.c
unuran-1.8.1/src/distr/deprecated_distr.h
unuran-1.8.1/src/methods/deprecated_methods.c
unuran-1.8.1/src/methods/deprecated_methods.h
unuran-1.8.1/src/methods/deprecated_tdrwg.h
unuran-1.8.1/src/methods/deprecated_vmt.c
unuran-1.8.1/src/methods/deprecated_vmt.h
unuran-1.8.1/src/methods/deprecated_vmt_struct.h
unuran-1.8.1/src/parser/stringparser_lists.ch.in

```

UNU.RAN relies on a modified version of the library Cephес, see ./src/src/specfunct/cephes\_source.h

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tempita

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dragon4

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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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The `zigurat` methods were derived from Julia.

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dragon4

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<https://gist.github.com/imneme/flf7821f07cf76504a97f6537c818083>

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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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Name: Faddeeva

Files: scipy/special/Faddeeva.\*

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Name: ampgo  
Files: benchmarks/benchmarks/go\_benchmark\_functions/\*.py  
License: MIT  
Functions for testing global optimizers, forked from the AMPGO project, <https://code.google.com/archive/p/ampgo>

Name: pybind11  
Files: no source files are included, however pybind11 binary artifacts are

```

included with every binary build of SciPy.
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and scipy/stats/_rcont/logfactorial.c
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Name: L-BFGS-B

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 written by Ciyou Zhu, Richard Byrd, and Jorge Nocedal <nocedal@ece.nwu.edu>. It carries the following condition for use:

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References

- \* R. H. Byrd, P. Lu and J. Nocedal. A Limited Memory Algorithm for Bound Constrained Optimization, (1995), SIAM Journal on Scientific and 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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----- Forwarded message -----

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Date: Wed, Jul 22, 2020 at 8:54 PM  
Subject: Re: Add BiasedUrn to SciPy?  
To: Matt Haberland <mhaberland@calpoly.edu>  
Cc: Warren Weckesser <warren.weckesser@gmail.com>

Dear Matt The C++ code for these distributions without binding to the R project are available here:  
<https://www.agner.org/random/stocc.zip>  
You have my permission to use it in SciPy under the new BSD license.  
Best regards,  
Agner Fog

On 22/07/2020 17.05, Matt Haberland wrote:  
Hi Agner, I'm a maintainer of the Python scientific computing library SciPy, and I'm working on improving the capabilities of our statistics subpackage scipy.stats. We'd like to add both Fisher's and Wallenius' noncentral hypergeometric distributions, but these look quite challenging to implement. We found your BiasedUrn package, and we'd love to wrap it, but we can't include GPL-3 licensed code under our BSD-new license. Would you consider re-licensing BiasedUrn under a more permissive license, such as BSD-new or MIT, so we can include it in SciPy?  
Thank you for considering it!  
Matt  
--  
Matt Haberland  
Assistant Professor  
BioResource and Agricultural Engineering  
08A-3K, Cal Poly

Name: UNU.RAN

Permission was granted on 23 March 2021 by Josef Leydold (josef.leydold@wu.ac.at) and Wolfgang Hoermann (hormannw@bound.edu.tr) to use the UNU.RAN code excluding the uniform random number generator in src/uniform/mrg31k3p.c (copyright by Renee Touzin) under the BSD licence. The following files have been removed from the original library:

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unuran-1.8.1/Makefile.am
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unuran-1.8.1/aclocal.m4
unuran-1.8.1/autoconf/config.guess
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unuran-1.8.1/autoconf/depcomp
unuran-1.8.1/autoconf/install-sh
unuran-1.8.1/autoconf/ltmain.sh
unuran-1.8.1/autoconf/mdate-sh
unuran-1.8.1/autoconf/missing
unuran-1.8.1/autogen.sh
unuran-1.8.1/configure
unuran-1.8.1/doc/Makefile.am
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unuran-1.8.1/doc/src/unuran_src.texi
unuran-1.8.1/doc/stamp-1
unuran-1.8.1/doc/stamp-vti
unuran-1.8.1/doc/unuran.html
unuran-1.8.1/doc/unuran.info
unuran-1.8.1/doc/unuran.pdf
unuran-1.8.1/doc/unuran.texi
unuran-1.8.1/doc/unuran.txt
unuran-1.8.1/doc/unuran_win32.html
unuran-1.8.1/doc/unuran_win32.info
unuran-1.8.1/doc/unuran_win32.pdf
unuran-1.8.1/doc/unuran_win32.texi
unuran-1.8.1/doc/unuran_win32_libname.texi
unuran-1.8.1/doc/version.texi
unuran-1.8.1/doc/version_win32.texi
unuran-1.8.1/examples/Makefile.am
unuran-1.8.1/examples/Makefile.in
unuran-1.8.1/examples/example0.c
unuran-1.8.1/examples/example0_str.c
unuran-1.8.1/examples/example1.c
unuran-1.8.1/examples/example1_str.c
unuran-1.8.1/examples/example2.c
unuran-1.8.1/examples/example2_str.c
unuran-1.8.1/examples/example3.c
unuran-1.8.1/examples/example3_str.c
unuran-1.8.1/examples/example_FuncStr.c
unuran-1.8.1/examples/example_anti.c
unuran-1.8.1/examples/example_anti_str.c
unuran-1.8.1/examples/example_cext.c
unuran-1.8.1/examples/example_cont.c
```

```
unuran-1.8.1/examples/example_cont_str.c
unuran-1.8.1/examples/example_cpp.cpp
unuran-1.8.1/examples/example_dext.c
unuran-1.8.1/examples/example_discr.c
unuran-1.8.1/examples/example_discr_str.c
unuran-1.8.1/examples/example_emp.c
unuran-1.8.1/examples/example_emp_str.c
unuran-1.8.1/examples/example_errorhandler.c
unuran-1.8.1/examples/example_gsl.c
unuran-1.8.1/examples/example_mcorr.c
unuran-1.8.1/examples/example_mixt.c
unuran-1.8.1/examples/example_mixt_inv.c
unuran-1.8.1/examples/example_prng.c
unuran-1.8.1/examples/example_prng_str.c
unuran-1.8.1/examples/example_rngstreams.c
unuran-1.8.1/examples/example_vemp.c
unuran-1.8.1/experiments/Makefile.am
unuran-1.8.1/experiments/Makefile.in
unuran-1.8.1/experiments/make_timing_table.c
unuran-1.8.1/experiments/timings_chap_10.conf
unuran-1.8.1/experiments/timings_chap_8.conf
unuran-1.8.1/scripts/Makefile.am
unuran-1.8.1/scripts/Makefile.in
unuran-1.8.1/scripts/compute_machine_constants.c
unuran-1.8.1/scripts/make_urng_header.pl
unuran-1.8.1/scripts/merge_h.pl
unuran-1.8.1/scripts/read_PDF.pl
unuran-1.8.1/scripts/remove_comments.pl
unuran-1.8.1/scripts/run_valgrind.sh
unuran-1.8.1/scripts/win32/Makefile.win32
unuran-1.8.1/scripts/win32/build.sh
unuran-1.8.1/scripts/win32/example1.c
unuran-1.8.1/scripts/win32/example2.c
unuran-1.8.1/scripts/win32/make_dll_def.pl
unuran-1.8.1/src/Makefile.am
unuran-1.8.1/src/Makefile.in
unuran-1.8.1/src/README
unuran-1.8.1/src/distr/Makefile.am
unuran-1.8.1/src/distr/Makefile.in
unuran-1.8.1/src/distributions/Makefile.am
unuran-1.8.1/src/distributions/Makefile.in
unuran-1.8.1/src/distributions/README
unuran-1.8.1/src/methods/Makefile.am
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unuran-1.8.1/src/parser/Makefile.am
unuran-1.8.1/src/parser/Makefile.in
unuran-1.8.1/src/parser/functparser_doc.dh
unuran-1.8.1/src/parser/make_stringparser.pl
unuran-1.8.1/src/parser/stringparser_doc.dh
unuran-1.8.1/src/specfunct/Makefile.am
unuran-1.8.1/src/specfunct/Makefile.in
unuran-1.8.1/src/tests/Makefile.am
unuran-1.8.1/src/tests/Makefile.in
unuran-1.8.1/src/uniform/Makefile.am
unuran-1.8.1/src/uniform/Makefile.in
unuran-1.8.1/src/uniform/fish.c
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unuran-1.8.1/src/uniform/mstd.c
unuran-1.8.1/src/uniform/unuran_urng_gsl.h
unuran-1.8.1/src/uniform/unuran_urng_prng.h
unuran-1.8.1/src/uniform/unuran_urng_rngstreams.h
unuran-1.8.1/src/uniform/urng_builtin.c
unuran-1.8.1/src/uniform/urng_builtin.h
unuran-1.8.1/src/uniform/urng_fvoid.c
```

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unuran-1.8.1/src/uniform/urng_fvoid.h
unuran-1.8.1/src/uniform/urng_gsl.c
unuran-1.8.1/src/uniform/urng_gsl.h
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unuran-1.8.1/src/uniform/urng_prng.h
unuran-1.8.1/src/uniform/urng_randomshift.c
unuran-1.8.1/src/uniform/urng_randomshift.h
unuran-1.8.1/src/uniform/urng_rngstreams.c
unuran-1.8.1/src/uniform/urng_rngstreams.h
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unuran-1.8.1/tests/Makefile.in
unuran-1.8.1/tests/README.conf
unuran-1.8.1/tests/make_test_files.pl
unuran-1.8.1/tests/t_arou.c
unuran-1.8.1/tests/t_arou.conf
unuran-1.8.1/tests/t_ars.c
unuran-1.8.1/tests/t_ars.conf
unuran-1.8.1/tests/t_auto.c
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unuran-1.8.1/tests/t_dau.c
unuran-1.8.1/tests/t_dau.conf
unuran-1.8.1/tests/t_deprecated_tdrwg.c
unuran-1.8.1/tests/t_deprecated_vmt.c
unuran-1.8.1/tests/t_deprecated_vmt.conf
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unuran-1.8.1/tests/t_distr_cemp.conf
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unuran-1.8.1/tests/t_distr_condi.conf
unuran-1.8.1/tests/t_distr_cont.c
unuran-1.8.1/tests/t_distr_cont.conf
unuran-1.8.1/tests/t_distr_corder.c
unuran-1.8.1/tests/t_distr_corder.conf
unuran-1.8.1/tests/t_distr_cvec.c
unuran-1.8.1/tests/t_distr_cvec.conf
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unuran-1.8.1/tests/t_distr_discr.conf
unuran-1.8.1/tests/t_distr_matr.c
unuran-1.8.1/tests/t_distr_matr.conf
unuran-1.8.1/tests/t_dsrou.c
unuran-1.8.1/tests/t_dsrou.conf
unuran-1.8.1/tests/t_dss.c
```

```
unuran-1.8.1/tests/t_dss.conf
unuran-1.8.1/tests/t_dstd.c
unuran-1.8.1/tests/t_dstd.conf
unuran-1.8.1/tests/t_empk.c
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unuran-1.8.1/tests/t_empl.c
unuran-1.8.1/tests/t_empl.conf
unuran-1.8.1/tests/t_gibbs.c
unuran-1.8.1/tests/t_gibbs.conf
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unuran-1.8.1/tests/t_hrd.c
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unuran-1.8.1/tests/t_hri.c
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unuran-1.8.1/tests/t_norta.conf
unuran-1.8.1/tests/t_nrou.c
unuran-1.8.1/tests/t_nrou.conf
unuran-1.8.1/tests/t_pinv.c
unuran-1.8.1/tests/t_pinv.c
unuran-1.8.1/tests/t_srou.c
unuran-1.8.1/tests/t_srou.conf
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unuran-1.8.1/tests/t_stringparser.c
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unuran-1.8.1/tests/t_tabl.c
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unuran-1.8.1/tests/t_unur_tests.conf
unuran-1.8.1/tests/t_urng.c
unuran-1.8.1/tests/t_urng.conf
unuran-1.8.1/tests/t_utdr.c
unuran-1.8.1/tests/t_utdr.conf
```

```

unuran-1.8.1/tests/t_util_matrix.c
unuran-1.8.1/tests/t_util_matrix.conf
unuran-1.8.1/tests/t_vempk.c
unuran-1.8.1/tests/t_vempk.conf
unuran-1.8.1/tests/t_vnrou.c
unuran-1.8.1/tests/t_vnrou.conf
unuran-1.8.1/tests/t_x_gen.c
unuran-1.8.1/tests/t_x_gen.conf
unuran-1.8.1/tests/test_StdDistr.c
unuran-1.8.1/tests/test_StdDistr.m
unuran-1.8.1/tests/test_functionparser.c
unuran-1.8.1/tests/test_functionparser.m
unuran-1.8.1/tests/testcounter.c
unuran-1.8.1/tests/testdistributions/Makefile.am
unuran-1.8.1/tests/testdistributions/Makefile.in
unuran-1.8.1/tests/testdistributions/c_sawtooth_contpdf.c
unuran-1.8.1/tests/testdistributions/c_sawtooth_discpdf.c
unuran-1.8.1/tests/testdistributions/c_w_pdf_from_logpdf.c
unuran-1.8.1/tests/testdistributions/c_with_multiple_of_pdf.c
unuran-1.8.1/tests/testdistributions/c_wo_logpdf.c
unuran-1.8.1/tests/testdistributions/testdistributions.h
unuran-1.8.1/tests/testdistributions/vc_cauchy_RoU_ball.c
unuran-1.8.1/tests/testdistributions/vc_special_correlations_ar1.c
unuran-1.8.1/tests/testdistributions/
vc_special_correlations_constantrho.c
unuran-1.8.1/tests/testdistributions/vc_w_marginals.c
unuran-1.8.1/tests/testdistributions/vc_wo_logpdf.c
unuran-1.8.1/tests/testroutines.c
unuran-1.8.1/tests/testunuran.h
unuran-1.8.1/src/distr/deprecated_distr.c
unuran-1.8.1/src/distr/deprecated_distr.h
unuran-1.8.1/src/methods/deprecated_methods.c
unuran-1.8.1/src/methods/deprecated_methods.h
unuran-1.8.1/src/methods/deprecated_tdrwg.h
unuran-1.8.1/src/methods/deprecated_vmt.c
unuran-1.8.1/src/methods/deprecated_vmt.h
unuran-1.8.1/src/methods/deprecated_vmt_struct.h
unuran-1.8.1/src/parser/stringparser_lists.ch.in

```

UNU.RAN relies on a modified version of the library Cephес, see `./src/src/specfunct/cephes_source.h`

Details from `/src/src/specfunct/cephes_source.h`

```

=====
This file was considerably changed for UNU.RAN.
As a consequence it has been renamed from "mconf.h" to
"cephes_source.h" to avoid confusion.

```

We were only interested in the files:

```

gamma.c
igamma.c
incbet.c
ndtr.c
ndtri.c

```

to use these files we needed the auxiliary files:

```

isnan.c
mtherr.c
polevl.c

```

The aim was to enhance portability for ANSI C without expert knowledge of the floating point unit.

The main changes are

```

numeric constants (in cephес - const.c) are replaced
by macros defined in this file (source_mconf.h).

```

We changed these constants using the constants provided by

ANSI C in the math.h file.  
We changed also the definitions of MAXGAM (in incbet.c) and of  
MAXSTIR (in gamma.c).  
Everything concerning NANS and INFINITY was moved into isnan.c.  
(Also the defines to turn it off or on.)  
We have only tested this version with NAN and INFINITY turned  
off, but we have not changed anything concerning that  
question. So turning this support on should (could) work.  
March 26th, 2001, Josef Leydold and Wolfgang Hoermann.

```
/
*-----
*/

/*          mconf.h
 *
 * Common include file for math routines
 *
 *
 * SYNOPSIS:
 *
 * #include "mconf.h"
 *
 *
 * DESCRIPTION:
 *
 * This file contains definitions for error codes that are
 * passed to the common error handling routine mtherr()
 * (which see).
 *
 * The file also includes a conditional assembly definition
 * for the type of computer arithmetic (IEEE, DEC, Motorola
 * IEEE, or UNKnown).
 *
 * For Digital Equipment PDP-11 and VAX computers, certain
 * IBM systems, and others that use numbers with a 56-bit
 * significand, the symbol DEC should be defined. In this
 * mode, most floating point constants are given as arrays
 * of octal integers to eliminate decimal to binary conversion
 * errors that might be introduced by the compiler.
 *
 * For little-endian computers, such as IBM PC, that follow the
 * IEEE Standard for Binary Floating Point Arithmetic (ANSI/IEEE
 * Std 754-1985), the symbol IBMPC should be defined. These
 * numbers have 53-bit significands. In this mode, constants
 * are provided as arrays of hexadecimal 16 bit integers.
 *
 * Big-endian IEEE format is denoted MIEEE. On some RISC
 * systems such as Sun SPARC, double precision constants
 * must be stored on 8-byte address boundaries. Since integer
 * arrays may be aligned differently, the MIEEE configuration
 * may fail on such machines.
 *
 * To accommodate other types of computer arithmetic, all
 * constants are also provided in a normal decimal radix
 * which one can hope are correctly converted to a suitable
 * format by the available C language compiler. To invoke
 * this mode, define the symbol UNK.
 *
 * An important difference among these modes is a predefined
 * set of machine arithmetic constants for each. The numbers
 * MACHEP (the machine roundoff error), MAXNUM (largest number
```

```

* represented), and several other parameters are preset by
* the configuration symbol. Check the file const.c to
* ensure that these values are correct for your computer.
*
* Configurations NANS, INFINITIES, MINUSZERO, and DENORMAL
* may fail on many systems. Verify that they are supposed
* to work on your computer.
*/

```

Cephes Math Library Release 2.3: June, 1995  
 Copyright 1984, 1987, 1989, 1995 by Stephen L. Moshier

-----

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**Provider: Sergey Buturlakin / Component(s): DefinitelyTyped history type definitions 4.7.2**

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// Definitions by: Sergey Buturlakin <<https://github.com/sergey-buturlakin>>

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// Definitions: https://github.com/DefinitelyTyped/DefinitelyTyped
// TypeScript Version: 2.8
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4P Dependencies:
*****
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**Provider: Shawn Starr / Component(s): yum-utils 1.1.31**

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```

```
package-cleanup.py
debuginfo-install.py
find-repos-of-install.py
needs-restarting.py
repo-check.py
repo-graph.py
repo-rss.py
reproclosure.py
repo-diff.py
repo manage.py
repoquery.py
reposync.py
repotrack.py
show-changed-rco.py
verifytree.py
yum-builddep.py
yum-complete-transaction.py
yum-debug-dump.py
yum-debug-restore.py
yum-util-cli-template
yumdownloader.py
yum v3.4.3
yum/callback.py
yum/cli.py
yum/yum-updatesd.py
yum/yumcommands.py
yum/yummain.py
```

```
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```

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of the specifications of the Java bytecode. The whole API is designed with
only the vocabulary of the Java language. You can even specify inserted
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the other hand, the bytecode-level API allows the users to directly edit a
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gopkg.in/gemnasium/logrus-airbrake-hook.v2 2.1.2

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Dependencies

swagger-core 1.5.19  
swagger-models 1.5.19  
swagger-annotations 1.5.19

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jackson-databind 2.9.5

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\* lib/domain\_name/punycode.rb

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multi\_json

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rest-client

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http-accept

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mime-types  
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4th party dependencies

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strptime

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

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

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

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python



releases have also been GPL-compatible; the table below summarizes the various releases.

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|----------------|--------------|-----------|------------|---------------------|
| 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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**Provider: Stanislaw Pitucha / Component(s): rust-prctl 1.0.0**

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**Provider: Steve Francia / Component(s): cobra 1.5.0**

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GitCommit:aealecl7079a9618fc61c4fc4eaf6cfee2ddc083 GitTreeState:dirty
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**Provider: SuSe - Novell / Component(s): Motif runtime library (libXm4) 2.3.4-14**

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That's all there is to it!

====

```
In files:
/etc/X11/mwm/system.mwmrc
/usr/include/X11/bitmaps/xm_error
/usr/include/X11/bitmaps/xm_hour16
/usr/include/X11/bitmaps/xm_hour16m
/usr/include/X11/bitmaps/xm_hour32
/usr/include/X11/bitmaps/xm_hour32m
/usr/include/X11/bitmaps/xm_information
/usr/include/X11/bitmaps/xm_noenter16
/usr/include/X11/bitmaps/xm_noenter16m
/usr/include/X11/bitmaps/xm_noenter32
/usr/include/X11/bitmaps/xm_noenter32m
/usr/include/X11/bitmaps/xm_question
/usr/include/X11/bitmaps/xm_warning
/usr/include/X11/bitmaps/xm_working
/usr/share/X11/bindings/acorn
/usr/share/X11/bindings/apollo
/usr/share/X11/bindings/dec
/usr/share/X11/bindings/dg_AViiON
/usr/share/X11/bindings/doubleclick
/usr/share/X11/bindings/hal
/usr/share/X11/bindings/hitachi
/usr/share/X11/bindings/hp
/usr/share/X11/bindings/ibm
/usr/share/X11/bindings/intergraph
/usr/share/X11/bindings/intergraph17
/usr/share/X11/bindings/megatek
/usr/share/X11/bindings/motorola
/usr/share/X11/bindings/ncr_at
/usr/share/X11/bindings/ncr_vt
/usr/share/X11/bindings/pc
/usr/share/X11/bindings/sgi
/usr/share/X11/bindings/siemens_9733
/usr/share/X11/bindings/siemens_wx200
/usr/share/X11/bindings/sni
/usr/share/X11/bindings/sni_97801
/usr/share/X11/bindings/sony
/usr/share/X11/bindings/tek
/usr/share/X11/bindings/xmbind.alias
```

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**T to Y****Provider: Taku Kudo / Component(s): sentencepiece 0.2.0**

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@types/enzyme-adapter-react-16 1.0.5

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```
// Type definitions for enzyme-adapter-react-16 1.0
// Project: https://github.com/airbnb/enzyme, http://airbnb.io/enzyme
// Definitions by: Tanguy Krotoff <https://github.com/tkrotoff>
// Definitions: https://github.com/DefinitelyTyped/DefinitelyTyped
// TypeScript Version: 3.1
```

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=====

Modules:

```
jackson datatype guava
jackson datatype hppc
jackson datatype pcollections
jackson datatype eclipse-collections
```

=====

4P Dependencies:

```
com.google.guava 18.0 (upgrade to 27.1)
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```

---

```
com.fasterxml.jackson.core jackson-core 2.9.9
com.fasterxml.jackson.core jackson-databind 2.9.9
```

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org.eclipse.collections eclipse-collections 9.1.0

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4P Dependency: org.codehaus.woodstox:stax2-api:jar

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runtime/Java

tool

antlr4-maven-plugin

tool-testsuite

runtime-testsuite/annotations

runtime-testsuite/processores

runtime-testsuite

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PCG Random Number Generation for C.

Copyright 2014 Melissa O'Neill oneill@pcg-random.org

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Name: MT19937

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The rk\_random and rk\_seed functions algorithms and the original design of the Mersenne Twister RNG:

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

Constants used in the rk\_double implementation by Isaku Wada.

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The ziggurat methods were derived from Julia.

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Name: nymphy.core.ma



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```

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```
Name: SFC64
```

```
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Files: [/numpy/blob/numpy/ma/\\*](#)  
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Name: SPLITMIX64

Written in 2015 by Sebastiano Vigna ([vigna@acm.org](mailto:vigna@acm.org))

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---

Name: SFC64

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

<https://gist.github.com/imneme/flf7821f07cf76504a97f6537c818083>

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Name: PCG64

The MIT License

PCG Random Number Generation for C.

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Name: MT19937

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

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

Constants used in the `rk_double` implementation by Isaku Wada.

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Name: Julia

The ziggurat methods were derived from Julia.

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Name: Random

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#### Components

Many parts of this module have been derived from original sources, often the algorithm's designer. Component licenses are located with the component code.

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\* `cpp/src/arrow/util/cpu-info.cc` has a polyfill for mingw-w64 < 5

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 *  
 * Ryan Juckett's original code was under the Zlib license; he gave numpy  
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 */
```

```
----
```

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The Netty Project (<http://netty.io/>).  
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This product includes software, Netty/Handler, developed by

The Netty Project (<http://netty.io/>).  
This product includes software, Netty/Handler/Proxy, developed by

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This product includes software, JAX-RS provider for JSON content type,  
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FasterXML (<http://fasterxml.com/>).  
This product includes software, Data Mapper for Jackson, developed by

FasterXML (<http://fasterxml.com/>).  
This product includes software, Xml Compatibility extensions for Jackson,  
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FasterXML (<http://fasterxml.com/>).  
This product includes software, leveldbjni-all, developed by

FuseSource, Corp. (<http://fusesource.com/>).  
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Oracle Corporation (<http://www.oracle.com/>).  
This product includes software, ServiceLocator Default Implementation,  
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This product includes software, OSGi resource locator bundle - used by  
various API  
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This product includes software, `jersey-container-servlet-core`, developed by  
  
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lib/erl/src/Makefile.am

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-----  
For the aclocal/ax\_boost\_base.m4 and contrib/fb303/aclocal/ax\_boost\_base.m4 components:

```
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#
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```

-----  
For the lib/nodejs/lib/thrift/json\_parse.js:

```
/*
  json_parse.js
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  Public Domain.
  NO WARRANTY EXPRESSED OR IMPLIED. USE AT YOUR OWN RISK.
*/
(By Douglas Crockford <douglas@crockford.com>)
```

-----  
For lib/cpp/src/thrift/windows/SocketPair.cpp

```
/* socketpair.c
 * Copyright 2007 by Nathan C. Myers <ncm@cantrip.org>; some rights
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```

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*/
```

```
-----
For lib/py/compat/win32/stdint.h
```

```
// ISO C9x compliant stdint.h for Microsoft Visual Studio
// Based on ISO/IEC 9899:TC2 Committee draft (May 6, 2005) WG14/N1124
//
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//
//
///
```

```
-----
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```

```
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*
* Designed and built with all the love in the world @twitter by @mdo and
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* NOTICE:
* xds/third_party/envoy/NOTICE
* HOMEPAGE:
* https://www.envoyproxy.io
* LOCATION_IN_GRPC:
* xds/third_party/envoy
```

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* LOCATION_IN_GRPC:
* xds/third_party/protoc-gen-validate
```

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```

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End of Reference [18] =====

=====  
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* https://github.com/y-256/libdivsufsort
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* HOMEPAGE:
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```

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* HOMEPAGE:
* https://github.com/jpountz/lz4-java
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* http://www.opensource.apple.com/source/configd/configd-453.19/dnsinfo/dnsinfo.h

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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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It is currently developed by a community of developers, as well as supported
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Other contributors include:

- \* Jon Hartlaub (first versions of streaming reader/writer; unit tests)
- \* Cedrik Lime: parallel LZF implementation

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```
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* Cedrik Lime: parallel LZF implementation
```

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analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,  
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analysis/common/src/java/org/apache/lucene/analysis/de/  
GermanLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/de/  
GermanMinimalStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/es/  
SpanishLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/fi/  
FinnishLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/fr/  
FrenchLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/fr/  
FrenchMinimalStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/hu/  
HungarianLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/it/  
ItalianLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/pt/  
PortugueseLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/ru/  
RussianLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/sv/  
SwedishLightStemmer.java

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guava:jar:14.0.1-16  
-- NAME OF DEPENDENCY  
guava:jar:14.0.1-16  
  
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*/

```

```

-----
hadoop-client:jar:2.7.4
-- NAME OF DEPENDENCY
hadoop-client:jar:2.7.4

```

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```

```

hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/nvd3-1.8.5.* (css
and js files)
hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/
datanode/checker/AbstractFuture.java
hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/
datanode/checker/TimeoutFuture.java

```

```

BSD 2-Clause
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```

```

hadoop-common-project/hadoop-common/src/main/native/src/org/apache/hadoop/
io/compress/lz4/{lz4.h,lz4.c,lz4hc.h,lz4hc.c}
hadoop-hdfs-project/hadoop-hdfs-native-client/src/main/native/fuse-dfs/util/
tree.h
hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-
nodemanager/src/main/native/container-executor/impl/compat/{fstatat|openat|
unlinkat}.h

```

```

BSD 3-Clause
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```

```

hadoop-common-project/hadoop-common/src/main/java/org/apache/hadoop/util/
bloom/*
hadoop-common-project/hadoop-common/src/main/native/gtest/gtest-all.cc

```

```

hadoop-common-project/hadoop-common/src/main/native/gtest/include/gtest/
gtest.h
hadoop-common-project/hadoop-common/src/main/native/src/org/apache/hadoop/
util/bulk_crc32_x86.c
hadoop-tools/hadoop-sls/src/main/html/js/thirdparty/d3.v3.js
hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/d3-3.5.17.min.js

```

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```

hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/angular-1.6.4.min.js
hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/angular-
nvd3-1.0.9.min.js
hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/angular-
route-1.6.4.min.js
hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/bootstrap-3.4.1
hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/
dataTables.bootstrap.css
hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/
dataTables.bootstrap.js
hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/dust-
full-2.0.0.min.js
hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/dust-
helpers-1.1.1.min.js
hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/jquery-3.5.1.min.js
hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/
jquery.dataTables.min.js
hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/moment.min.js
hadoop-tools/hadoop-sls/src/main/html/js/thirdparty/bootstrap.min.js
hadoop-tools/hadoop-sls/src/main/html/js/thirdparty/jquery.js
hadoop-tools/hadoop-sls/src/main/html/css/bootstrap.min.css
hadoop-tools/hadoop-sls/src/main/html/css/bootstrap-responsive.min.css
hadoop-yarn-project/hadoop-yarn/hadoop-yarn-common/src/main/resources/
webapps/static/dt-1.10.18/*
hadoop-yarn-project/hadoop-yarn/hadoop-yarn-common/src/main/resources/
webapps/static/jquery
hadoop-yarn-project/hadoop-yarn/hadoop-yarn-common/src/main/resources/
webapps/static/jt/jquery.jstree.js
hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-
nodemanager/src/main/resources/TERMINAL

```

-----

For hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-  
nodemanager/src/main/native/container-executor/impl/utils/cJSON.[ch]:

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src/test/resources/CSVFileParser/test.csv

src/test/resources/CSVFileParser/test\_default.txt

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src/test/resources/CSVFileParser/test\_rfc4180.txt

src/test/resources/CSVFileParser/test\_rfc4180\_trim.txt

src/test/resources/CSVFileParser/testCSV85.csv

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- \* javax.websocket:javax.websocket-api

-----

Oracle OpenJDK

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- \* java.sun.security.ssl

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org.eclipse.jetty.toolchain:jetty-schemas

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```
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```
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- \* org.apache.tomcat:tomcat-el-api
- \* org.apache.tomcat:tomcat-jasper-el
- \* org.apache.tomcat:tomcat-api

```
* org.apache.tomcat:tomcat-util-scan
* org.apache.tomcat:tomcat-util
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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
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```
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```
/*
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*/
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-----  
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For lib/py/compat/win32/stdint.h

```
// ISO C9x compliantstdint.h for Microsoft Visual Studio
// Based on ISO/IEC 9899:TC2 Committee draft (May 6, 2005) WG14/N1124
//
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//
///

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```

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```

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log4j:jar:1.2.17-16
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jloup@gzip.org

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Bouncy Castle library (bcprov-\*.jar, bcpg-\*.jar, bcpkix-\*.jar)

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**Provider: The Error Chain Project Developers / Component(s): rust-error-chain 0.6.0**

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- backtrace-sys 0.1.10

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- gcc 0.3.45

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- libc 0.2.21

- cfg-if 0.1.0

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- debughelp-sys 0.2.0

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- winapi 0.2.8

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- winapi-build 0.1.1

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- kernel32-sys 0.2.2

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- rustc-demangle 0.2.21

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- winapi 0.2.8

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extend
extsprintf
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fast-json-stable-stringify
form-data
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mkdirp
moment
ms
path-is-absolute
performance-now
progress
psl
punycode
safe-buffer
safer-buffer
sshpk
tree-kill
uuid
verror
vscode-debugadapter
vscode-debugadapter-testsupport
vscode-debugprotocol
vscode-jsonrpc
vscode-languageclient
vscode-languageserver-protocol
vscode-languageserver-types
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com.google.code.findbugs:jsr305

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com.google.api.grpc:proto-google-common-protos



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```
Jean-loup Gailly  
jloup@gzip.org
```

```
Mark Adler  
madler@alumni.caltech.edu
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address_sorting 1.82
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nanopb 0.3.6

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bloaty commit 73594cd

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boringsssl commit b29b21a

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go-lang grpc 1.15.0

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```
netty: "io.netty:netty-codec-http2:4.1.32.Final",
netty_epoll: "io.netty:netty-transport-native-epoll:4.1.32.Final" +
  epoll_suffix,
netty_proxy_handler: "io.netty:netty-handler-proxy:4.1.32.Final"
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---

com.google.code.findbugs:jsr305

---

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com.google.code.gson:gson

---

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---

org.codehaus.mojo:animal-sniffer-annotations

---

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```

**Provider: The gRPC Authors / Component(s): grpc-protobuf 1.33.0**

```
grpc-protobuf:jar:1.33.0
grpc:grpc-api:jar:1.33.0
grpc-protobuf-lite:jar:1.33.0
```

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jsr305:jar:3.0.2

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protobuf-java:jar:3.13.0

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guava:jar:29.0-android

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animal-sniffer-annotations:jar:1.18

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```

```
failureaccess:jar:1.0.1
9999.0-empty-to-avoid-conflict-with-guava
```

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

<https://gist.github.com/immeme/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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The ziggurat methods were derived from Julia.

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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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| 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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| 2.1.3         | 2.1.2 | 2002     | PSF | yes |
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Name: PCG64

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PCG Random Number Generation for C.

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Name: MT19937

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

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

Constants used in the `rk_double` implementation by Isaku Wada.

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Name: Julia

The ziggurat methods were derived from Julia.

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Name: Random

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### Components

Many parts of this module have been derived from original sources, often the algorithm's designer. Component licenses are located with the component code.

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Name: numpy.core.ma

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**Provider: The HuggingFace Team / Component(s): Transformers 4.44.0**

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certifi - Mozilla Public License
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```
certifi
This package contains a modified version of ca-bundle.crt:
```

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

```
Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/
certdata.txt?raw=1#
```

```
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#
```

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***** BEGIN LICENSE BLOCK *****
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v. 2.0. If a copy of the MPL was not distributed with this file, You can
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one at http://mozilla.org/MPL/2.0/.
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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58
$
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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 non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2 and above  | 2.1.1        | 2001-now  | PSF        | yes                 |

Footnotes:

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



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

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

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Files: .libs/libopenb\*.so

Description: bundled as a dynamically linked library

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Name: LAPACK

Files: .libs/libopenb\*.so

Description: bundled in OpenBLAS

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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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**Provider: The JRuby Project / Component(s): JONI 2.1.30**

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"github.com/ghodss/yaml 73d445a93680fala78ae23a5839bad48f32balee"
"github.com/gogo/protobuf/proto c0656edd0d9eab7c66d1eb0c568f9039345796f7"
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"gotk.in/inf.v0 3887ee99ecf07df5b447e9b00d9c0b2adaa9f3e4"
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```

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Protocol Buffers for Go with Gadgets

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**Provider: The Kubernetes Authors / Component(s): api kubernetes-1.12.0**

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Protocol Buffers for Go with Gadgets

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goproperties - properties file decoder for Go

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cljs

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Regex 1.1.0

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Colorize 0.1.1

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Dynapath 0.2.0

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Core.unify 0.5.2

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Gui-diff 0.5.0

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Tools.macro 0.1.5

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Math.combinatorics 0.0.7

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Utilize 0.2.3

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Tools.namespace 0.2.4

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Swiss-arrows 1.0.0

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```

```
# Contributions to the urllib3 project
```

```
## Creator & Maintainer
```

```
* Andrey Petrov <andrey.petrov@shazow.net>
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```
## Contributors
```

```
In chronological order:
```

```
* victor.vde <http://code.google.com/u/victor.vde/>  
* HTTPS patch (which inspired HTTPSConnectionPool)
```

```
* erikcederstrand <http://code.google.com/u/erikcederstrand/>  
* NTLM-authenticated HTTPSConnectionPool  
* Basic-authenticated HTTPSConnectionPool (merged into make_headers)
```

```
* niphlod <niphlod@gmail.com>  
* Client-verified SSL certificates for HTTPSConnectionPool  
* Response gzip and deflate encoding support  
* Better unicode support for filepost using StringIO buffers
```

```
* btoconnor <brian@btoconnor.net>  
* Non-multipart encoding for POST requests
```

```
* p.dobrogost <http://code.google.com/u/@WBRSR1BZDhBFXQB6/>  
* Code review, PEP8 compliance, benchmark fix
```

```
* kennethreitz <me@kennethreitz.com>  
* Bugfixes, suggestions, Requests integration
```

```
* georgemarshall <http://github.com/georgemarshall>  
* Bugfixes, Improvements and Test coverage
```

```
* Thomas Kluyver <thomas@kluyver.me.uk>  
* Python 3 support
```

```
* brandon-rhodes <http://rhodesmill.org/brandon>  
* Design review, bugfixes, test coverage.
```

```
* studer <theo.studer@gmail.com>  
* IPv6 url support and test coverage
```

```
* Shivaram Lingamneni <slingamn@cs.stanford.edu>  
* Support for explicitly closing pooled connections
```

```
* hartator <hartator@gmail.com>  
* Corrected multipart behavior for params
```

```
* Thomas Weißschuh <thomas@t-8ch.de>  
* Support for TLS SNI  
* API unification of ssl_version/cert_reqs  
* SSL fingerprint and alternative hostname verification  
* Bugfixes in testsuite
```

```
* Sune Kirkeby <mig@ibofobi.dk>  
* Optional SNI-support for Python 2 via PyOpenSSL.
```

```
* Marc Schlaich <marc.schlaich@gmail.com>  
* Various bugfixes and test improvements.
```

- \* Bryce Boe <bbzbryce@gmail.com>
  - \* Correct six.moves conflict
  - \* Fixed pickle support of some exceptions
- \* Boris Figovsky <boris.figovsky@ravellosystems.com>
  - \* Allowed to skip SSL hostname verification
- \* Cory Benfield <<http://lukasa.co.uk/about/>>
  - \* Stream method for Response objects.
  - \* Return native strings in header values.
  - \* Generate 'Host' header when using proxies.
- \* Jason Robinson <jaywink@basshero.org>
  - \* Add missing WrappedSocket.fileno method in PyOpenSSL
- \* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
  - \* Fixed a race condition
- \* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
  - \* Added HTTPS (CONNECT) proxy support
- \* Stephen Holsapple <sholsapp@gmail.com>
  - \* Added abstraction for granular control of request fields
- \* Martin von Gagern <Martin.vGagern@gmx.net>
  - \* Support for non-ASCII header parameters
- \* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
  - \* Support for separate connect and request timeouts
- \* Peter Waller <p@pwaller.net>
  - \* HTTPResponse.tell() for determining amount received over the wire
- \* Nipunn Koorapati <nipunn1313@gmail.com>
  - \* Ignore default ports when comparing hosts for equality
- \* Danilo @dbrgn <<http://dbrgn.ch/>>
  - \* Disabled TLS compression by default on Python 3.2+
  - \* Disabled TLS compression in pyopenssl contrib module
  - \* Configurable cipher suites in pyopenssl contrib module
- \* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
  - \* Account retries on proxy errors
- \* Nicolas Delaby <nicolas.delaby@ezeep.com>
  - \* Use the platform-specific CA certificate locations
- \* Josh Schneier <<https://github.com/jschneier>>
  - \* HTTPHeaderDict and associated tests and docs
  - \* Bugfixes, docs, test coverage
- \* Tahia Khan <<http://tahia.tk/>>
  - \* Added Timeout examples in docs
- \* Arthur Grunseid <<http://grunseid.com>>
  - \* source\_address support and tests (with <https://github.com/bui>)
- \* Ian Cordasco <graffatcolmingov@gmail.com>
  - \* PEP8 Compliance and Linting
  - \* Add ability to pass socket options to an HTTP Connection
- \* Erik Tollerud <erik.tollerud@gmail.com>

- \* Support for standard library io module.
- \* Krishna Prasad <kprasad.iitd@gmail.com>
  - \* Google App Engine documentation
- \* Aaron Meurer <asmeurer@gmail.com>
  - \* Added Url.url, which unparses a Url
- \* Evgeny Kapun <abacabadabacaba@gmail.com>
  - \* Bugfixes
- \* Benjamin Meyer <bm\_witness@yahoo.com>
  - \* Security Warning Documentation update for proper capture
- \* Shivan Sornarajah <github@sornars.com>
  - \* Support for using ConnectionPool and PoolManager as context managers.
- \* Alex Gaynor <alex.gaynor@gmail.com>
  - \* Updates to the default SSL configuration
- \* Tomas Tomecek <ttomecek@redhat.com>
  - \* Implemented generator for getting chunks from chunked responses.
- \* tlynn <https://github.com/tlynn>
  - \* Respect the warning preferences at import.
- \* David D. Riddle <ddriddle@illinois.edu>
  - \* IPv6 bugfixes in testsuite
- \* Jon Wayne Parrott <jonwayne@google.com>
  - \* App Engine environment tests.
- \* John Krauss <https://github.com/talos>
  - \* Clues to debugging problems with `cryptography` dependency in docs
- \* Disassem <https://github.com/Disassem>
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- \* Christian Pedersen <https://github.com/chripede>
  - \* IPv6 HTTPS proxy bugfix
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  - \* Fix low-level exceptions leaking from ``HTTPResponse.stream()``.
  - \* Bugfix for ``ConnectionPool.urlopen(release\_conn=False)``.
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- \* Evan Meagher <https://evanmeagher.net>
  - \* Bugfix related to `memoryview` usage in PyOpenSSL adapter
- \* John Vandenberg <jayvdb@gmail.com>
  - \* Python 2.6 fixes; pyflakes and pep8 compliance
- \* Andy Caldwell <andy.m.caldwell@googlemail.com>
  - \* Bugfix related to reusing connections in indeterminate states.

```
* Ville Skyttä <ville.skytta@iki.fi>
  * Logging efficiency improvements, spelling fixes, Travis config.

* Shige Takeda <smtakeda@gmail.com>
  * Started Recipes documentation and added a recipe about handling
  concatenated gzip data in HTTP response

* Jesse Shapiro <jesse@jesseshapiro.net>
  * Various character-encoding fixes/tweaks
  * Disabling IPv6 DNS when IPv6 connections not supported

* David Foster <http://dafoster.net/>
  * Ensure order of request and response headers are preserved.

* Jeremy Cline <jeremy@jcline.org>
  * Added connection pool keys by scheme

* Aviv Palivoda <palaviv@gmail.com>
  * History list to Retry object.
  * HTTPResponse contains the last Retry object.

* Nate Prewitt <nate.prewitt@gmail.com>
  * Ensure timeouts are not booleans and greater than zero.
  * Fixed infinite loop in ``stream`` when amt=None.
  * Added length_remaining to determine remaining data to be read.
  * Added enforce_content_length to raise exception when incorrect content-
  length received.
```

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```

```
# Contributions to the urllib3 project
```

```
## Creator & Maintainer
```

```
* Andrey Petrov <andrey.petrov@shazow.net>
```

```
## Contributors
```

```
In chronological order:
```

- \* victor.vde <<http://code.google.com/u/victor.vde/>>
  - \* HTTPS patch (which inspired HTTPSConnectionPool)
  
- \* erikcederstrand <<http://code.google.com/u/erikcederstrand/>>
  - \* NTLM-authenticated HTTPSConnectionPool
  - \* Basic-authenticated HTTPSConnectionPool (merged into make\_headers)
  
- \* niphlod <niphlod@gmail.com>
  - \* Client-verified SSL certificates for HTTPSConnectionPool
  - \* Response gzip and deflate encoding support
  - \* Better unicode support for filepost using StringIO buffers
  
- \* btoconnor <brian@btoconnor.net>
  - \* Non-multipart encoding for POST requests
  
- \* p.dobrogost <<http://code.google.com/u/@WBRSR1BZDhBFXQB6/>>
  - \* Code review, PEP8 compliance, benchmark fix
  
- \* kennethreitz <me@kennethreitz.com>
  - \* Bugfixes, suggestions, Requests integration
  
- \* georgemarshall <<http://github.com/georgemarshall>>
  - \* Bugfixes, Improvements and Test coverage
  
- \* Thomas Kluyver <thomas@kluyver.me.uk>
  - \* Python 3 support
  
- \* brandon-rhodes <<http://rhodesmill.org/brandon>>
  - \* Design review, bugfixes, test coverage.
  
- \* studer <theo.studer@gmail.com>
  - \* IPv6 url support and test coverage
  
- \* Shivaram Lingamneni <slingamn@cs.stanford.edu>
  - \* Support for explicitly closing pooled connections
  
- \* hartator <hartator@gmail.com>
  - \* Corrected multipart behavior for params
  
- \* Thomas Weißschuh <thomas@t-8ch.de>
  - \* Support for TLS SNI
  - \* API unification of ssl\_version/cert\_reqs
  - \* SSL fingerprint and alternative hostname verification
  - \* Bugfixes in testsuite
  
- \* Sune Kirkeby <mig@ibofobi.dk>
  - \* Optional SNI-support for Python 2 via PyOpenSSL.
  
- \* Marc Schlaich <marc.schlaich@gmail.com>
  - \* Various bugfixes and test improvements.
  
- \* Bryce Boe <bbzbryce@gmail.com>
  - \* Correct six.moves conflict
  - \* Fixed pickle support of some exceptions
  
- \* Boris Figovsky <boris.figovsky@ravello.com>
  - \* Allowed to skip SSL hostname verification
  
- \* Cory Benfield <<http://lukasa.co.uk/about/>>
  - \* Stream method for Response objects.
  - \* Return native strings in header values.
  - \* Generate 'Host' header when using proxies.
  
- \* Jason Robinson <jaywink@basshero.org>

- \* Add missing `WrappedSocket.fileno` method in `PyOpenSSL`
- \* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
  - \* Fixed a race condition
- \* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
  - \* Added HTTPS (CONNECT) proxy support
- \* Stephen Holsapple <sholsapp@gmail.com>
  - \* Added abstraction for granular control of request fields
- \* Martin von Gagern <Martin.vGagern@gmx.net>
  - \* Support for non-ASCII header parameters
- \* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
  - \* Support for separate connect and request timeouts
- \* Peter Waller <p@pwaller.net>
  - \* `HTTPResponse.tell()` for determining amount received over the wire
- \* Nipunn Koorapati <nipunn1313@gmail.com>
  - \* Ignore default ports when comparing hosts for equality
- \* Danilo @dbrgn <<http://dbrgn.ch/>>
  - \* Disabled TLS compression by default on Python 3.2+
  - \* Disabled TLS compression in `pyopenssl contrib` module
  - \* Configurable cipher suites in `pyopenssl contrib` module
- \* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
  - \* Account retries on proxy errors
- \* Nicolas Delaby <nicolas.delaby@ezeep.com>
  - \* Use the platform-specific CA certificate locations
- \* Josh Schneier <<https://github.com/jschneier>>
  - \* `HTTPHeaderDict` and associated tests and docs
  - \* Bugfixes, docs, test coverage
- \* Tahia Khan <<http://tahia.tk/>>
  - \* Added Timeout examples in docs
- \* Arthur Grunseid <<http://grunseid.com>>
  - \* `source_address` support and tests (with <https://github.com/bui>)
- \* Ian Cordasco <graffatcolmingov@gmail.com>
  - \* PEP8 Compliance and Linting
  - \* Add ability to pass socket options to an HTTP Connection
- \* Erik Tollerud <erik.tollerud@gmail.com>
  - \* Support for standard library `io` module.
- \* Krishna Prasad <kprasad.iitd@gmail.com>
  - \* Google App Engine documentation
- \* Aaron Meurer <asmeurer@gmail.com>
  - \* Added `Url.url`, which unparses a `Url`
- \* Evgeny Kapun <abacabadabacaba@gmail.com>
  - \* Bugfixes
- \* Benjamen Meyer <bm\_witness@yahoo.com>
  - \* Security Warning Documentation update for proper capture



- \* Shivan Sornarajah <github@sornars.com>
  - \* Support for using ConnectionPool and PoolManager as context managers.
- \* Alex Gaynor <alex.gaynor@gmail.com>
  - \* Updates to the default SSL configuration
- \* Tomas Tomecek <ttomecek@redhat.com>
  - \* Implemented generator for getting chunks from chunked responses.
- \* tlynn <https://github.com/tlynn>
  - \* Respect the warning preferences at import.
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**Provider: The MyBatis Team / Component(s): MyBatis Dynamic SQL 1.5.0**

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### Provider: The Netty Project / Component(s): netty 4.1.100.Final

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io.netty:netty-resolver:4.1.100.Final
io.netty:netty-transport:4.1.100.Final
io.netty:netty-codec:4.1.100.Final
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io.netty:netty-codec-http:4.1.100.Final
io.netty:netty-codec-http2:4.1.100.Final
Netty (io.netty:netty-*)
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resolver-dns
tarball
transport
transport-native-unix-common-tests
transport-native-unix-common
transport-native-epoll
transport-native-kqueue
transport-rxtx
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Flask 1.0.2

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Dependency: html5lib 1.1

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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
an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#
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one at http://mozilla.org/MPL/2.0/.
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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58
$
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Certificate data from Mozilla as of: Thu Nov  3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/
certdata.txt?raw=1#
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can be directly used with curl / libcurl / php_curl, or with
an Apache+mod_ssl webserver for SSL client authentication.
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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 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
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All Python releases are Open Source (see http://www.opensource.org for
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  Release           Derived      Year      Owner      GPL-
                   from
0.9.0 thru 1.2
1.3 thru 1.5.2    1.2         1995-1999  CNRI       yes
1.6               1.5.2       2000       CNRI       no
2.0               1.6         2000       BeOpen.com no
1.6.1            1.6         2001       CNRI       yes (2)
2.1               2.0+1.6.1   2001       PSF        no
2.0.1             2.0+1.6.1   2001       PSF        yes
2.1.1             2.1+2.0.1   2001       PSF        yes
2.2               2.1.1       2001       PSF        yes

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

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**Provider: The Rust Project Developers / Component(s): rust-num-traits 0.1.36**

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Files: numpy/core/src/multiarray/dragon4.c
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<https://gist.github.com/imneme/flf7821f07cf76504a97f6537c818083>

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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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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.

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|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
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It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php\_curl, or with an Apache+mod\_ssl webserver for SSL client authentication. Just configure this file as the SSLCertificateFile.#

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

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**Provider: The University of Maryland / Component(s): FindBugs annotations 3.0.1**

FindBugs annotations

SPDX: LGPL-2.1

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com.google.code.findbugs:bccl-findbugs:6.0  
org.apache.ant:ant-launcher:1.7.1  
org.apache.ant:ant:1.7.1  
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 org.ow2.asm:asm-debug-all:5.0.2  
 org.ow2.asm:asm-tree:5.0.2  
 org.ow2.asm:asm:5.0.2

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 com.apple:AppleJavaExtensions:1.4

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AppleJavaExtensions  
 v 1.2

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jaxen:jaxen:1.1.6

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```
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```

```
src/test/org/apache/commons/codec/language/DoubleMetaphoneTest.java
contains test data from http://aspell.net/test/orig/batch0.tab.
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-----
```

```
The content of package org.apache.commons.codec.language.bm has been
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org.slf4j slf4j-api 1.7.25
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**Provider: Tomitribe / Component(s): HTTP Signatures Java Client 1.3**

```

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~ WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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-->

```

```

from classes:
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*     http://www.apache.org/licenses/LICENSE-2.0
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* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

```

and inside one class, there was this mention:

```

// Extracted from:
// http://oauth.googlecode.com/svn/code/branches/jmeter/jmeter/src/main/
java/org/apache/jmeter/protocol/oauth/sampler/PrivateKeyReader.java
// See p.41 of http://www.emc.com/emc-plus/rsa-labs/pkcs/files/h11300-
wp-pkcs-1v2-2-rsa-cryptography-standard.pdf

```

```

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*

*****
* Convert PKCS#1 encoded private key into RSAPrivateCrtKeySpec.
*
* <p/>The ASN.1 syntax for the private key with CRT is
*
* <pre>
* --
* -- Representation of RSA private key with information for the CRT
algorithm.
* --
* RSAPrivateKey ::= SEQUENCE {
*   version          Version,
*   modulus           INTEGER, -- n
*   publicExponent   INTEGER, -- e
*   privateExponent  INTEGER, -- d
*   prime1           INTEGER, -- p
*   prime2           INTEGER, -- q
*   exponent1        INTEGER, -- d mod (p-1)
*   exponent2        INTEGER, -- d mod (q-1)
*   coefficient       INTEGER, -- (inverse of q) mod p
*   otherPrimeInfos  OtherPrimeInfos OPTIONAL
* }
* </pre>
*

```

### Provider: Tri Dao / Component(s): flash-attn 2.5.3

```

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Info=====
flash-attn
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=====  
 =====Fourth Party

Info=====  
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 Fourth party public dependencies  
 #####  
 einops  
 filelock  
 flash-attn  
 fsspec  
 jinja2  
 markupsafe  
 mpmath  
 networkx  
 ninja  
 packaging  
 sympy  
 torch  
 typing-extensions

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typing-extensions

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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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| 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                  |
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Fourth party dependencies

jansi 1.4  
javax.inject 1  
lift-json\_2.10 2.5  
scala-reflect 2.10.0  
typesafe-config 1.3.3

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paranamer 2.4.1

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hamcrest-core 1.3  
jline 2.10.0

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junit-interface 0.11
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junit 4.11

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

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Name: tempita  
Files: tools/npv\_tempita/\*  
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Name: dragon4  
Files: numpy/core/src/multiarray/dragon4.c  
License: MIT  
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Name: libdivide  
Files: numpy/core/include/numpy/libdivide/\*  
License: Zlib  
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Name: Meson  
Files: vendored-meson/meson/\*  
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Name: spin  
Files: .spin/cmds.py  
License: BSD-3  
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Name: LAPACK

Files: numpy.libs/libopenblas\*.so

Description: bundled in OpenBLAS

Availability: <https://github.com/OpenMathLib/OpenBLAS/>

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Name: GCC runtime library  
Files: numpy.libs/libgfortran\*.so  
Description: dynamically linked to files compiled with gcc  
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Files: numpy.libs/libquadmath*.so
Description: dynamically linked to files compiled with gcc
Availability: https://gcc.gnu.org/git/?p=gcc.git;a=tree;f=libquadmath
License: LGPL-2.1-or-later
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    third_party/onnx-tensorrt/third_party/onnx/third_party/benchmark,
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Name: clog
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    third_party/cpuinfo/deps/clog,
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    third_party/cpuinfo/deps/clog/LICENSE,
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Name: colorama
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testing/python3/libs_3rdparty/colorama
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libkineto/third_party/dynolog/third_party/DCGM/testing/python3/
libs_3rdparty/colorama/LICENSE.txt

Name: cpplint
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third\_party/cpplint,  
third\_party/nlohmann/tools/cpplint

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License: MIT

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test/thirdparty/doctest,  
third\_party/nlohmann/tests/thirdparty/doctest

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third\_party/nlohmann/tests/thirdparty/doctest/LICENSE.txt

Name: dynolog

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Name: googlemock
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Files: third_party/fbgemm/third_party/googletest/googlemock,
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    third_party/tensorpipe/third_party/googletest/googlemock
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Name: gtest

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Files: third\_party/ideep/mkl-dnn/tests/gtests/gtest

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tests/gtests/gtest/LICENSE

Name: hipify\_torch

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Files: third\_party/fbgemm/third\_party/hipify\_torch

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Name: libnop

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Name: libuv

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Files: `third_party/tensorpipe/third_party/libuv`

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Name: mimalloc

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Files: `third_party/mimalloc`

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Name: miniz-2.1.0

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Files: `third_party/ideep/mkl-dnn`

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LICENSE

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      third_party/onnx-tensorrt/third_party/onnx/third_party/pybind11,
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```

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

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

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

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

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2 and above  | 2.1.1        | 2001-now  | PSF        | yes                 |

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

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

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**Provider: VMware / Component(s): govnomi 0.25.0**

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**Provider: VMware / Component(s): Virtual-disk 0.0.2**

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**Provider: X.Org Foundation / Component(s): xf86-video-dummy 0.4.1**

xf86-video-dummy

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**Provider: YOOtheme GmbH / Component(s): uikit 3.0.0-rc.4**

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**Provider: Yukihiro Matsumoto / Component(s): irb 1.3.3**

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**Provider: Yukihiro Matsumoto / Component(s): reline 0.2.3**

reline 0.2.3

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include/ruby/oniguruma.h:  
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regenc.c:  
regenc.h:  
regerror.c:  
regexec.c:  
regint.h:  
regparse.c:  
regparse.h:  
enc/ascii.c:  
enc/big5.c:  
enc/cp949.c:  
enc/emacs\_mule.c:  
enc/encdb.c:  
enc/euc\_jp.c:  
enc/euc\_kr.c:  
enc/euc\_tw.c:  
enc/gb18030.c:  
enc/gb2312.c:  
enc/gbk.c:  
enc/iso\_8859\_1.c:  
enc/iso\_8859\_10.c:  
enc/iso\_8859\_11.c:  
enc/iso\_8859\_13.c:  
enc/iso\_8859\_14.c:  
enc/iso\_8859\_15.c:  
enc/iso\_8859\_16.c:  
enc/iso\_8859\_2.c:

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enc/iso_8859_3.c:
enc/iso_8859_4.c:
enc/iso_8859_5.c:
enc/iso_8859_6.c:
enc/iso_8859_7.c:
enc/iso_8859_8.c:
enc/iso_8859_9.c:
enc/koi8_r.c:
enc/koi8_u.c:
enc/shift_jis.c:
enc/unicode.c:
enc/us_ascii.c:
enc/utf_16be.c:
enc/utf_16le.c:
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enc/trans/JIS/UCS@SIP%JISX0213-1.src:  
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A C-program for MT19937, with initialization improved 2002/2/10.  
Coded by Takuji Nishimura and Makoto Matsumoto.  
This is a faster version by taking Shawn Cokus's optimization,  
Matthe Bellew's simplification, Isaku Wada's real version.

Before using, initialize the state by using `init_genrand(seed)`  
or `init_by_array(init_key, key_length)`.

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vm\_dump.c:procstat\_vm:

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21:57:37Z jhb $

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strftime.c:
include/ruby/st.h:
missing/acosh.c:
missing/alloca.c:
missing/dup2.c:
missing/erf.c:
missing/finite.c:
missing/hypot.c:
missing/isinf.c:

```



```
missing/isnan.c:  
missing/lgamma_r.c:  
missing/memcmp.c:  
missing/memmove.c:  
missing/strchr.c:  
missing/strerror.c:  
missing/strstr.c:  
missing/tgamma.c:  
ext/date/date_strftime.c:  
ext/digest/sha1/sha1.c:  
ext/digest/sha1/sha1.h:  
ext/sdbm/_sdbm.c:  
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```
include/ruby/onigmo.h::
include/ruby/oniguruma.h::
regcomp.c::
regenc.c::
regenc.h::
regerror.c::
regex.c::
regint.h::
regparse.c::
regparse.h::
enc/ascii.c::
enc/big5.c::
enc/cp949.c::
enc/emacs_mule.c::
enc/encdb.c::
enc/euc_jp.c::
enc/euc_kr.c::
enc/euc_tw.c::
enc/gb18030.c::
enc/gb2312.c::
enc/gbk.c::
enc/iso_8859_1.c::
enc/iso_8859_10.c::
enc/iso_8859_11.c::
enc/iso_8859_13.c::
enc/iso_8859_14.c::
enc/iso_8859_15.c::
enc/iso_8859_16.c::
enc/iso_8859_2.c::
enc/iso_8859_3.c::
enc/iso_8859_4.c::
enc/iso_8859_5.c::
enc/iso_8859_6.c::
enc/iso_8859_7.c::
```

```
enc/iso_8859_8.c::  
enc/iso_8859_9.c::  
enc/koi8_r.c::  
enc/koi8_u.c::  
enc/shift_jis.c::  
enc/unicode.c::  
enc/us_ascii.c::  
enc/utf_16be.c::  
enc/utf_16le.c::  
enc/utf_32be.c::  
enc/utf_32le.c::  
enc/utf_8.c::  
enc/windows_1251.c::  

```

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```
enc/trans/GB/GB12345%UCS.src::
enc/trans/GB/UCS%GB12345.src::
enc/trans/GB/GB2312%UCS.src::
enc/trans/GB/UCS%GB2312.src::
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enc/trans/JIS/JISX0201-KANA%UCS.src::
enc/trans/JIS/JISX0208@1990%UCS.src::
enc/trans/JIS/JISX0212%UCS.src::
enc/trans/JIS/UCS%JISX0201-KANA.src::
enc/trans/JIS/UCS%JISX0208@1990.src::
enc/trans/JIS/UCS%JISX0212.src::
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enc/trans/JIS/JISX0213-1%UCS@SIP.src::
enc/trans/JIS/JISX0213-2%UCS@BMP.src::
enc/trans/JIS/JISX0213-2%UCS@SIP.src::
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enc/trans/JIS/UCS@BMP%JISX0213-2.src::
enc/trans/JIS/UCS@SIP%JISX0213-1.src::
enc/trans/JIS/UCS@SIP%JISX0213-2.src::

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Coded by Takuji Nishimura and Makoto Matsumoto.  
This is a faster version by taking Shawn Cokus's optimization,  
Matthe Bellew's simplification, Isaku Wada's real version.

Before using, initialize the state by using `init_genrand(seed)`  
or `init_by_array(init_key, key_length)`.

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vm\_dump.c:procstat\_vm::

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strftime.c::
include/ruby/st.h::
missing/acosh.c::
missing/alloca.c::
missing/dup2.c::
missing/erf.c::
missing/finite.c::
missing/hypot.c::
missing/isinf.c::
missing/isnan.c::
missing/lgamma_r.c::
missing/memcmp.c::
missing/memmove.c::
missing/strchr.c::
missing/strerror.c::
missing/strstr.c::
missing/tgamma.c::
ext/date/date_strftime.c::
ext/digest/sha1/sha1.c::
ext/digest/sha1/sha1.h::
ext/sdbm/_sdbm.c::
ext/sdbm/sdbm.h::
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ext/digest/md5/md5.h::
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L. Peter Deutsch  
ghost@aladdin.com

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ext/digest/rmd160/rmd160.h::

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DATE::    1 March 1996
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ext/digest/sha2/sha2.h::

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ext/nkf/nkf-utf8/nkf.c::

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include/ruby/onigmo.h::  
include/ruby/oniguruma.h::  
regcomp.c::

```
regenc.c::  
regenc.h::  
regerror.c::  
regexec.c::  
regint.h::  
regparse.c::  
regparse.h::  
enc/ascii.c::  
enc/big5.c::  
enc/cp949.c::  
enc/emacs_mule.c::  
enc/encdb.c::  
enc/euc_jp.c::  
enc/euc_kr.c::  
enc/euc_tw.c::  
enc/gb18030.c::  
enc/gb2312.c::  
enc/gbk.c::  
enc/iso_8859_1.c::  
enc/iso_8859_10.c::  
enc/iso_8859_11.c::  
enc/iso_8859_13.c::  
enc/iso_8859_14.c::  
enc/iso_8859_15.c::  
enc/iso_8859_16.c::  
enc/iso_8859_2.c::  
enc/iso_8859_3.c::  
enc/iso_8859_4.c::  
enc/iso_8859_5.c::  
enc/iso_8859_6.c::  
enc/iso_8859_7.c::  
enc/iso_8859_8.c::  
enc/iso_8859_9.c::  
enc/koi8_r.c::  
enc/koi8_u.c::  
enc/shift_jis.c::  
enc/unicode.c::  
enc/us_ascii.c::  
enc/utf_16be.c::  
enc/utf_16le.c::  
enc/utf_32be.c::  
enc/utf_32le.c::  
enc/utf_8.c::  
enc/windows_1251.c::  

```

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```

- \* <https://github.com/k-takata/Onigmo/>
- \* <https://github.com/kkos/oniguruma>
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```

enc/trans/GB/GB12345%UCS.src::
enc/trans/GB/UCS%GB12345.src::
enc/trans/GB/GB2312%UCS.src::
enc/trans/GB/UCS%GB2312.src::

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enc/trans/JIS/JISX0201-KANA%UCS.src::  
enc/trans/JIS/JISX0208\@1990%UCS.src::  
enc/trans/JIS/JISX0212%UCS.src::  
enc/trans/JIS/UCS%JISX0201-KANA.src::  
enc/trans/JIS/UCS%JISX0208@1990.src::  
enc/trans/JIS/UCS%JISX0212.src::  

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enc/trans/JIS/JISX0213-1%UCS@BMP.src::  
enc/trans/JIS/JISX0213-1%UCS@SIP.src::  
enc/trans/JIS/JISX0213-2%UCS@BMP.src::  
enc/trans/JIS/JISX0213-2%UCS@SIP.src::  

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```
enc/trans/JIS/UCS@BMP%JISX0213-1.src::  
enc/trans/JIS/UCS@BMP%JISX0213-2.src::  
enc/trans/JIS/UCS@SIP%JISX0213-1.src::  
enc/trans/JIS/UCS@SIP%JISX0213-2.src::  

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tool/config.guess::  
tool/config.sub::  

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```
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```

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```

```
>>>
```

```
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Coded by Takuji Nishimura and Makoto Matsumoto.  
This is a faster version by taking Shawn Cokus's optimization,  
Matthe Bellew's simplification, Isaku Wada's real version.
```

```
Before using, initialize the state by using init_genrand(seed)  
or init_by_array(init_key, key_length).
```

```
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vm_dump.c:procstat_vm::
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```
$FreeBSD: head/usr.bin/procstat/procstat_vm.c 261780 2014-02-11
21:57:37Z jhb $
```

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strftime.c::  
include/ruby/st.h::  
missing/acosh.c::  
missing/alloca.c::  
missing/dup2.c::  
missing/erf.c::  
missing/finite.c::  
missing/hypot.c::  
missing/isinf.c::  
missing/isnan.c::  
missing/lgamma_r.c::  
missing/memcmp.c::  
missing/memmove.c::  
missing/strchr.c::  
missing/strerror.c::  
missing/strstr.c::  
missing/tgamma.c::  
ext/date/date_strftime.c::  
ext/digest/sha1/sha1.c::  
ext/digest/sha1/sha1.h::  
ext/sdbm/_sdbm.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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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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