

# Introduction

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4P Dependencies:

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org.glassfish.jaxb:jaxb-runtime

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org.apache.httpcomponents.client5:httpclient5:jar

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- 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
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| Philip Tzou        | <a href="https://github.com/philiptzou">https://github.com/philiptzou</a>           |
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| Dan Steeves        | <a href="https://github.com/dansteeves68">https://github.com/dansteeves68</a>       |
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| Bernardo Sulzbach  | <a href="https://github.com/mafagafogigante">https://github.com/mafagafogigante</a> |
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[PR #96]: <https://github.com/tqdm/tqdm/pull/96>

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pytimeparse
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cffi

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pyparser

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pyparser -- A C parser in Python

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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  
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All Python releases are Open Source (see <http://www.opensource.org> for  
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| Release        | Derived<br>from | Year      | Owner      | GPL-<br>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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minimal-snowplow-tracker

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

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities

(CA). These were automatically extracted from Mozilla's root certificates

file (certdata.txt). This file can be found in the mozilla source tree:

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

It contains the certificates in PEM format and therefore

can be directly used with curl / libcurl / php\_curl, or with

an Apache+mod\_ssl webserver for SSL client authentication.

Just configure this file as the SSLCACertificateFile.#

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charset-normalizer

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urllib3

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webencodings

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packaging

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pydantic-core

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hologram

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## dill, version 0.3.6

Mike McKerns

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

Other developers who have contributed code are:

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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

-----

Assorted

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./jetty-distribution-remote-resources/src/main/resources/notice.html

(Notice same as org.eclipse.jetty.toolchain.setuid:jetty-setuid-java)

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Dependency: org.eclipse.jetty.toolchain.setuid:jetty-setuid-java

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./jetty-distribution-remote-resources/src/main/resources/LICENSE-APACHE-2.0.txt

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./jetty-distribution-remote-resources/src/main/resources/license-eplv10-aslv20.html

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----- Separator -----

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```
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<html><head>
```

```
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Eclipse.org Software User Agreement</title>
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<h2>Eclipse Foundation Software User Agreement</h2>
<p>March 17, 2005</p>
```

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```
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<html><head>
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Java ClassMate library was originally written by Tatu Saloranta  
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Other developers who have contributed code are:

\* Brian Langel

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Dependency: com.fasterxml.jackson.core:jackson-core



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./src/main/resources/META-INF/NOTICE.md

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- \* <https://github.com/eclipse-ee4j/servlet-api>
- \* <https://github.com/eclipse/jetty.toolchain>

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<https://projects.eclipse.org/projects/ee4j.servlet>

- \* jakarta.servlet:jakarta.servlet-api

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(Notice same as org.glassfish.jersey.containers:jersey-container-servlet-core)

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Dependency: org.glassfish.jersey.inject:jersey-hk2
Copyright: Oracle
=== Source URL: https://github.com/eclipse-ee4j/jersey/tree/3.0.12/inject/hk2
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EDL 1.0 ( same as org.glassfish.jersey.containers:jersey-container-servlet-core)

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```

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Dependency: org.hibernate.validator:hibernate-validator  
Copyright: Hibernate.org  
=== Source URL: <https://github.com/hibernate/hibernate-validator/tree/7.0.5.Final/engine>  
License: Apache 2.0

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Dependency: org.javassist:javassist  
Copyright: Shigeru Chiba  
=== Source URL: [https://github.com/jboss-javassist/javassist/tree/rel\\_3\\_29\\_2\\_ga](https://github.com/jboss-javassist/javassist/tree/rel_3_29_2_ga)  
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=== Entry created by OSCP on 2024-01-18T14:23:34.779

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* [The API repository] (https://github.com/eclipse-ee4j/beanvalidation-api)
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org.osgi.core version 6.0.0

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Copyright: jersey

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Dependency: org.glassfish.jersey.core:jersey-server  
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=== Source URL: <https://github.com/eclipse-ee4j/jersey/tree/3.0.12/ext/bean-validation>  
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Dependency: org.glassfish.jersey.ext:jersey-metainf-services

Copyright: jersey

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Dependency: org.glassfish.jersey.inject:jersey-hk2

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=== Source URL: https://github.com/eclipse-ee4j/jersey/tree/3.0.12/inject/hk2
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Dependency: org.hibernate.validator:hibernate-validator
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7.0.5.Final/engine
License: Apache 2.0

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## gluonts, Version 0.13.3

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```
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    "numpy" has embedded dependencies whose licenses are below.
gluonts needs "pandas"
    "pandas" needs "numpy"
        "numpy" has embedded dependencies whose licenses are below.
    "pandas" needs "python-dateutil"
        "python-dateutil" needs "six"
            "six" doesn't have any dependencies
    "pandas" needs "pytz"
        "pytz" doesn't have any dependencies
    "pandas" needs "tzdata"
        "tzdata" doesn't have any dependencies
gluonts needs "pydantic"
    "pydantic" needs "typing-extensions"
```

```
"typing-extensions" doesn't have any dependencies
gluonts needs "toolz"
"toolz" doesn't have any dependencies
gluonts needs "tqdm"
"tqdm" doesn't have any dependencies
gluonts needs "typing-extensions"
"typing-extensions" doesn't have any dependencies
```

---

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```
Name: 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 Magnus Jonsson.

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <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                 |
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com.google.auto.value:auto-value-annotations

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com.google.api.grpc:proto-google-analytics-data-v1alpha

com.google.api.grpc:proto-google-analytics-data-v1beta

com.google.guava:failureaccess

com.google.guava:listenablefuture

com.google.j2objc:j2objc-annotations

com.google.guava:guava

com.google.android:annotations

com.google.code.gson:gson

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

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

com.google.protobuf:protobuf-java-util

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

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io.grpc:grpc-auth  
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org.codehaus.mojo:animal-sniffer-annotations

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public interface Api

{

void checkVersion1();

}

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io.opencensus:opencensus-api

io.opencensus:opencensus-contrib-http-util

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org.threeten:threetenbp

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org.springframework.boot:spring-boot-starter-data-rest  
org.springframework.boot:spring-boot-starter-json  
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ch.qos.logback:logback-core

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

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com.fasterxml.jackson.dataformat:jackson-dataformat-yaml

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== NAME OF DEPENDENCY 3

com.fasterxml.jackson.datatype:jackson-datatype-jdk8

com.fasterxml.jackson.datatype:jackson-datatype-jsr310

com.fasterxml.jackson.module:jackson-module-parameter-names

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jakarta.annotation:jakarta.annotation-api

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net.minidev:accessors-smart

net.minidev:json-smart

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org.apache.logging.log4j:log4j-api

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TimeoutBlockingWaitStrategy.java and parts of Util.java

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

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

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

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- javaee\_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.springframework:spring-aop

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org.springframework:spring-context

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org.checkerframework:checker-compat-qual

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## html2canvas, version 1.4.1

Niklas von Herten

niklasvh/html2canvas 1.4.0

-- css-line-break  
-- utrie  
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-- text-segmentation  
-- utrie

--base64-arraybuffer

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css-line-break

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base64-arraybuffer

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text-segmentation

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utrie

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

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```

```

-----
for container/openejb-core/src/test/java/org/apache/openejb/
DependencyVisitor.java:

```

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Owen Kaser,

Samy Chambi,

Jon Alvarado,

Rory Graves,

Björn Sperber,  
 Seth Pellegrino,  
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## Jackson Annotations 2.15.3

FasterXML, LLC

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Top level component : jackson-annotations 2.15.3

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# Jackson JSON processor

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## Jackson Annotations 2.17.0

FasterXML, LLC

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Top level component : jackson-annotations 2.17.0

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Top level component : jackson-core 2.15.3
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## jackson-datatype-hibernate5 2.15.2

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# Jakarta Restful Web Services JAX-RS API, version 3.1.0

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## Jakarta Servlet, version 6.0.0

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### 4.0.1

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- \* Project: <https://www.w3.org/2005/08/addressing/>
- \* Source: <https://www.w3.org/2006/03/addressing/ws-addr.xsd>

wsat.xsd Version: 2004/10 (n/a)

- \* License: Oasis Style
- \* Project: <http://schemas.xmlsoap.org/ws/2004/10/wsat/>
- \* Source: <http://schemas.xmlsoap.org/ws/2004/10/wsat/wsat.xsd>

wscoor.xsd (1.0)

- \* License: OASIS Style

wscoor.xsd (1.1)

- \* License: Oasis (Custom)
- \* Project: <http://docs.oasis-open.org/ws-tx/wscoor/2006/06>
- \* Source: <http://docs.oasis-open.org/ws-tx/wscoor/2006/06/wstx-wscoor-1.1-schema-200701.xsd>

wsrm Version: 2005/02 (n/a)

```

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

wsrm.xsd (1.2)

* License: Oasis

wstx-wsat.xsd (1.1)

* License: Oasis (Custom)

xmlsec (1.5.8)

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

```

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<https://github.com/jakartaee/mail-api>

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Project: <https://wiki.openjdk.java.net/display/CodeTools/sigtest>  
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Source Code

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 Project: <https://maven.apache.org/ref/3.5.2/maven-core/index.html>  
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 Project: <https://maven.apache.org/plugin-tools/maven-plugin-annotations/>  
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testng (6.14.2)

License: Apache-2.0 AND (MIT OR GPL-1.0+)  
Project: <https://testng.org/doc/index.html>  
Source: <https://github.com/cbeust/testng>  
wagon-http-lightweight (3.0.0)

License: Pending  
Project: <https://maven.apache.org/wagon/>  
Source: <https://mvnrepository.com/artifact/org.apache.maven.wagon/wagon-http-lightweight/3.0.0>  
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normalize.css (3.0.2)

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Project: <http://neocolas.github.io/normalize.css/>

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<https://github.com/eclipse-ee4j/metro-ws-test-harness>  
<https://github.com/eclipse-ee4j/metro-package-rename-task>  
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<https://github.com/eclipse-ee4j/metro-saaJ>  
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Project: <https://www.w3.org/Submission/ws-addressing/>

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

License: Apache-2.0 AND SAX-PD AND W3C

Project: <https://ant.apache.org/>

Source: <http://central.maven.org/maven2/org/apache/ant/ant-launcher/1.10.2/ant-launcher-1.10.2-sources.jar>

Apache Ant (1.6)

License: Apache-1.1

Project: <https://ant.apache.org/>

Source: <https://repol.maven.org/maven2/ant/ant/1.6/ant-1.6-sources.jar>

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Project: <https://maven.apache.org/plugin-tools/maven-plugin-annotations/project-info.html>

Source: <https://github.com/apache/maven-plugin-tools/tree/maven-plugin-tools-3.5.1/maven-plugin-annotations>

maven-plugin-api (3.5.2)

License: Apache-2.0

Project: <https://maven.apache.org/>

Source: <https://github.com/apache/maven/tree/master/maven-plugin-api>

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mex.xsd Version: 2004/09 (n/a)

License: Oasis Style

Project: <https://www.w3.org/Submission/WS-MetadataExchange/#appendix-II>

Source: <http://schemas.xmlsoap.org/ws/2004/09/mex/MetadataExchange.xsd>

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stax2-api (4.1)

License: Pending

Project: <https://github.com/FasterXML/stax2-api>

Source: <http://central.maven.org/maven2/org/codehaus/woodstox/stax2-api/4.1/stax2-api-4.1-sources.jar>

testng (6.14.2)

License: Apache-2.0 AND MIT

Project: <https://testng.org/doc/index.html>

Source: <https://github.com/cbeust/testng>

woodstox-core-asl (4.4.1)

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

License: Apache-2.0  
Project: <https://github.com/FasterXML/woodstox>  
Source: <https://github.com/FasterXML/woodstox>  
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Project: <https://www.w3.org/2005/08/addressing/>  
Source: <https://www.w3.org/2006/03/addressing/ws-addr.xsd>  
wsat.xsd Version: 2004/10 (n/a)

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

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

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

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Project: <http://santuario.apache.org/>  
Source: <https://repol.maven.org/maven2/org/apache/santuario/xmlsec/1.5.8/xmlsec-1.5.8-sources.jar>

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#### Source Code

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<https://github.com/eclipse-ee4j/eclipselink>  
<https://github.com/eclipse-ee4j/eclipselink-workbench>  
<https://github.com/eclipse-ee4j/eclipselink-oracledbparser>  
<https://github.com/eclipse-ee4j/eclipselink-examples>  
<https://git.eclipse.org/r/plugins/gitiles/eclipselink/eclipselink.releng>  
<https://git.eclipse.org/r/plugins/gitiles/eclipselink/eclipselink.runtime>  
<https://git.eclipse.org/r/plugins/gitiles/eclipselink/eclipselink.utils.temp>  
<https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples>  
<https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples/mysports>  
<https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples/nosql>  
<https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples/performance>  
<https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples/temporal>  
<https://git.eclipse.org/r/plugins/gitiles/eclipselink/incubator>  
<https://git.eclipse.org/r/plugins/gitiles/eclipselink/javax.persistence>  
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ANTLR Runtime only (3.5.2)

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Project: <http://www.antlr3.org/>

Source: <http://repo1.maven.org/maven2/org/antlr/antlr-runtime/3.5.2/antlr-runtime-3.5.2-sources.jar>



ANTLR Runtime only: Version (3.2)

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Apache Ant (1.10.7)

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

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

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

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

License: Apache-2.0  
Project: <http://beanvalidation.org/>  
Source: <https://github.com/beanvalidation/beanvalidation-api/releases/tag/2.0.1.Final>  
bnd (0.0.351)

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

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

License: Apache-2.0  
Project: <http://www.cdi-spec.org/>

Source: <http://repo1.maven.org/maven2/javax/enterprise/cdi-api/2.0/cdi-api-2.0-sources.jar>  
Classmate library (1.0.0)

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

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

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Project: <http://java.sun.com/products/ejb/>  
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Project: <https://uel.java.net/>  
Source: <http://download.java.net/maven/2/javax/el/el-api/2.2/el-api-2.2-sources.jar>  
Expression Language Implementation (2.2.2)

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

License: Apache License, 2.0  
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Project: <https://javaee.github.io/gmbal/>  
Source: <https://github.com/javaee/gmbal>  
gmbal-api (3.2.0)

License: CDDL-1.1 or GPL-2.0 OR GPL-2.0 WITH Classpath-exception-2.0  
Project: <https://javaee.github.io/gmbal/>  
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gmbal-pfl basic\_4.0.1.b003 (4.0.1)

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

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

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

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

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

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

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Java Transaction API (1.3)

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

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Project: <https://java.net/projects/jsonb-spec/pages/Home>  
Source: <https://java.net/projects/jsonb-spec/sources/git/show>  
javax.ws.rs (2.0.1)

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JAX-RS (JSR311) API (1.1.1)

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Project: <https://jsr311.dev.java.net/>

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Project: <https://jaxb.dev.java.net/2.1.12/>  
Source: [https://jaxb.dev.java.net/2.1.12/JAXB2\\_20090708.jar](https://jaxb.dev.java.net/2.1.12/JAXB2_20090708.jar)  
JAXB 2.0 XJC (2.0.5)

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JAXB 2.2 API (Binary only) (2.2)

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Project: <https://jaxb.dev.java.net/2.2/>  
Source: [https://jaxb.dev.java.net/2.2/JAXB2\\_20091104.jar](https://jaxb.dev.java.net/2.2/JAXB2_20091104.jar)  
JAXB 2.2 Impl (Binary only) (2.2)

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Source: [https://jaxb.dev.java.net/2.2/JAXB2\\_20091104.jar](https://jaxb.dev.java.net/2.2/JAXB2_20091104.jar)  
JAXB API (2.2.12)

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

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Project: <https://jaxb.dev.java.net/2.1.12/>  
Source: [https://jaxb.dev.java.net/2.1.12/JAXB2\\_20090708.jar](https://jaxb.dev.java.net/2.1.12/JAXB2_20090708.jar)  
JAXB CORE (2.2.11)

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

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

JAXB-API 2.0 (2.0)

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jaxrpc.jar (1.1)

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Jaxws-api-2.0.jar (2.0)

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JCA 1.6 (1.6)

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JCA Connector (1.5)

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Jersey Common (2.0)

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Project: <http://jersey.java.net/>  
Source: <https://github.com/jersey/jersey>  
Jersey Core (1.8.0)

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

License: Apache License, 2.0  
Jersey Server (2.0)

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Project: <http://jersey.java.net/>  
Source: <https://github.com/jersey/jersey>  
jersey-client (2.14)

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JPA (2.0)

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Project: <http://jcp.org/en/jsr/detail?id=317>  
JPA (Javax Persistence Jar) (1.0)

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Logback Classic (1.0.7)

License: Eclipse Public License  
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management-api (3.2.1)

License: (CDDL-1.1 OR GPL-2.0-only OR GPL-2.0-only WITH Classpath-exception-2.0)  
Project: <https://javaee.github.io/gmbal-commons/>  
Source: <https://github.com/javaee/gmbal-commons>  
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MongoDB Java Driver (2.10.1)

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mongodb java driver (3.2.0)

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Project: <https://docs.mongodb.org/ecosystem/drivers/java/>  
Source: <http://central.maven.org/maven2/org/mongodb/mongo-java-driver/3.2.0/mongo-java-driver-3.2.0-sources.jar>  
mongodb java driver (3.11.2)

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opencsv (1.8)

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Project: <http://opencsv.sourceforge.net/>  
Source: [http://downloads.sourceforge.net/opencsv/opencsv-1.8-src-with-libs.tar.gz?modtime=1185864370&big\\_mirror=0](http://downloads.sourceforge.net/opencsv/opencsv-1.8-src-with-libs.tar.gz?modtime=1185864370&big_mirror=0)  
oracle-nosql-client (18.3.10)

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org.apache.ant (1.6.5)

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

License: Pending  
org.osgi.core (1.2.0)

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org.osgi.core (6.0.0)

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OSGi Enterprise Specification APIs (4.2)

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osgi.compendium (4.1.0)

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

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pax-exam-container-forked (4.13.1)

License: Pending  
pax-exam-junit4 (4.13.1)

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

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

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

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

License: MIT License  
slf4j-api (1.7.30)

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spring-agent (2.5.3)

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Project: <http://www.springframework.org>  
Source: [http://downloads.sourceforge.net/springframework/spring-framework-2.5.3-with-dependencies.zip?modtime=1204283106&big\\_mirror=0](http://downloads.sourceforge.net/springframework/spring-framework-2.5.3-with-dependencies.zip?modtime=1204283106&big_mirror=0)  
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License: Apache-2.0  
spring-beans (5.2.0)

License: Apache-2.0  
spring-context (5.2.0)

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

License: Apache-2.0  
spring-instrument (5.2.0)

License: Pending  
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License: Apache-2.0  
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spring-orm (5.2.0)

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spring-test (5.2.0)

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Xerces (2.9.0)

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Xerces (2.12.0)

License: Apache-2.0 AND W3C-19980720  
Project: <http://xerces.apache.org/xerces2-j/>  
Source: [https://svn.apache.org/repos/asf/xerces/java/tags/Xerces-J\\_2\\_12\\_0/Cryptography](https://svn.apache.org/repos/asf/xerces/java/tags/Xerces-J_2_12_0/Cryptography)  
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<https://github.com/eclipse-ee4j/eclipselink>  
<https://github.com/eclipse-ee4j/eclipselink-workbench>  
<https://github.com/eclipse-ee4j/eclipselink-oracledbparser>  
<https://github.com/eclipse-ee4j/eclipselink-examples>  
<https://github.com/eclipse-ee4j/eclipselink-asm>  
<https://git.eclipse.org/r/plugins/gitiles/eclipselink/eclipselink.releng>  
<https://git.eclipse.org/r/plugins/gitiles/eclipselink/eclipselink.runtime>  
<https://git.eclipse.org/r/plugins/gitiles/eclipselink/eclipselink.utils.temp>  
<https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples>  
<https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples/mysports>  
<https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples/nosql>  
<https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples/performance>  
<https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples/temporal>  
<https://git.eclipse.org/r/plugins/gitiles/eclipselink/incubator>  
<https://git.eclipse.org/r/plugins/gitiles/eclipselink/javax.persistence>  
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Project: <http://asm.ow2.org>

Source: <http://download.forge.ow2.org/asm/asm-5.1.tar.gz>

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Project: <http://asm.ow2.org>

Source: [http://forge.ow2.org/project/download.php?group\\_id=23&file\\_id=21864](http://forge.ow2.org/project/download.php?group_id=23&file_id=21864)

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Project: <http://asm.ow2.org>

Source: [https://gitlab.ow2.org/asm/asm/tags/ASM\\_6\\_1\\_1](https://gitlab.ow2.org/asm/asm/tags/ASM_6_1_1)

asm (6.2)

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jakarta.annotation:jakarta.annotation-api:2.1.1

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jakarta.xml.ws:jakarta.xml.ws-api:4.0.0

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Project: <https://asm.ow2.io/>

Source: <https://repository.ow2.org/nexus/#nexus-search;gav~org.ow2.asm~asm-commons~~~kw,versionexpand>

JTHarness (5.0)

License: (GPL-2.0 OR GPL-2.0 WITH Classpath-exception-2.0)

Project: <https://wiki.openjdk.java.net/display/CodeTools/JT+Harness>

Source: <http://hg.openjdk.java.net/code-tools/jtharness/normalize.css> (3.0.2)

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License: W3C

Project: <https://www.w3.org/Submission/ws-addressing/>

Source: <http://schemas.xmlsoap.org/ws/2004/08/addressing/>

ant-launcher (1.10.2)

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Project: <https://ant.apache.org/>

Source: <http://central.maven.org/maven2/org/apache/ant/ant-launcher/1.10.2/ant-launcher-1.10.2-sources.jar>

Apache Ant (1.6)

License: Apache-1.1

Project: <https://ant.apache.org/>

Source: <https://repo1.maven.org/maven2/ant/ant/1.6/ant-1.6-sources.jar>

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commons-logging (1.1.2)

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Project: <https://commons.apache.org/proper/commons-logging/>

Source: <http://central.maven.org/maven2/commons-logging/commons-logging/1.1.2/commons-logging-1.1.2-sources.jar>

JUnit (4.12)

License: Eclipse Public License

maven-core (3.5.2)

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maven-plugin-annotations (3.5.1)

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Project: <https://maven.apache.org/plugin-tools/maven-plugin-annotations/project-info.html>

Source: <https://github.com/apache/maven-plugin-tools/tree/maven-plugin-tools-3.5.1/maven-plugin-annotations>

maven-plugin-api (3.5.2)

License: Apache-2.0

Project: <https://maven.apache.org/>



Source: <https://github.com/apache/maven/tree/master/maven-plugin-api>  
maven-resolver-api (1.1.1)

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

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maven-settings (3.5.2)

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

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

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relaxng-datatype (1.0)

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stax2-api (4.1)

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

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

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Project: <https://github.com/FasterXML/woodstox>  
Source: <https://github.com/FasterXML/woodstox>  
ws-addr.wsd (1.0)

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

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

License: OASIS Style  
wscoor.xsd (1.1)

License: Oasis (Custom)  
Project: <http://docs.oasis-open.org/ws-tx/wscoor/2006/06>

Source: <http://docs.oasis-open.org/ws-tx/wscoor/2006/06/wstx-wscoor-1.1-schema-200701.xsd>

wsrn Version: 2005/02 (n/a)

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Project: <http://schemas.xmlsoap.org/ws/2005/02/rm/>

Source: <http://schemas.xmlsoap.org/ws/2005/02/rm/wsrn.xsd;%20http://schemas.xmlsoap.org/ws/2005/02/rm/wsrn-policy.xsd>

wsrn.xsd (1.2)

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xmlsec (1.5.8)

License: Apache-2.0

Project: <http://santuario.apache.org/>

Source: <https://repol.maven.org/maven2/org/apache/santuario/xmlsec/1.5.8/xmlsec-1.5.8-sources.jar>

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## Javassist 3.30.2-GA

Shigeru Chiba

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org.javassist:javassist

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- \* [The specification repository] (<https://github.com/eclipse-ee4j/beanvalidation-spec>)
- \* [The API repository] (<https://github.com/eclipse-ee4j/beanvalidation-api>)
- \* [The TCK repository] (<https://github.com/eclipse-ee4j/beanvalidation-tck>)

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Test dependencies:

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JUnit (4.11)

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Mockito (2.16.0)

\* Project: <http://site.mockito.org>

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- \* <https://github.com/eclipse-ee4j/glassfish-logging-annotation-processor>
- \* <https://github.com/eclipse-ee4j/glassfish-shoal>
- \* <https://github.com/eclipse-ee4j/glassfish-cdi-porting-tck>
- \* <https://github.com/eclipse-ee4j/glassfish-jsftemplating>
- \* <https://github.com/eclipse-ee4j/glassfish-hk2-extra>

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- \* <https://github.com/eclipse-ee4j/glassfish-cdi-porting-tck>
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- \* <https://github.com/eclipse-ee4j/glassfish-hk2-extra>
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## jetty-jndi 12.0.6

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## jetty-plus 12.0.6

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## JNA 5.14.0

Timothy Wall

net.java.dev.jna:jna

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*/

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Julian Berman

```

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license_type: MIT License

```

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—  
jsonschema 4.5.1 has dependencies on following libraries:  
  jsonschema needs "attrs"  
    "attrs" doesn't have any dependencies  
  jsonschema needs "importlib-resources"  
    "importlib-resources" needs "zipp"  
    "zipp" doesn't have any dependencies  
  jsonschema needs "pyrsistent"  
    "pyrsistent" doesn't have any dependencies

---

—  
package\_name: attrs  
license\_type: MIT License  
license\_text:  
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license\_type: MIT License  
license\_text:

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flate

<https://github.com/101arrowz/flate>

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utrie

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AtobBtoa.js - see "External 3rd party dependencies" above

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Blob - There is only one version -

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\* Author: Dominik Homberger (dominik.homberger@gmail.com)

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<https://github.com/parallax/jsPDF/blob/v2.5.1/src/libs/bidiEngine.js>

Unicode Bidi Engine based on the work of Alex Shensis (@asthensis)

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rgbcolor.js -

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\* A class to parse color values

\* @author Stoyan Stefanov

\* {@link <http://www.phpied.com/rgb-color-parser-in-javascript/>}

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lie

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immediate

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set-immediate-shim

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

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readable-stream

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

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inherits

<https://github.com/isaacs/inherits>

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string\_decoder

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safe-buffer

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util-deprecate

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core-util-is

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isarray

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process-nexttick-args

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dragon4

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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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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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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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## log4j-over-slf4j 2.0.7

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# logback-core 1.4.14

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## Logstash Logback Encoder, version 7.2

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projectlombok/lombok.patcher

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Amine Touzani - <https://github.com/ttzn>  
Andreas Gudian - <https://github.com/agudian>  
Andrei Arlou - <https://github.com/Captain1653>  
Andres Jose Sebastian Rincon Gonzalez - <https://github.com/stianrincon>  
Arne Seime - <https://github.com/seime>  
Christian Bandowski - <https://github.com/chris922>  
Chris DeLashmutt - <https://github.com/cdelashmutt-pivotal>  
Christian Kosmowski - <https://github.com/ckosmowski>  
Christian Schuster - <https://github.com/chschu>  
Christophe Labouisse - <https://github.com/ggtools>  
Ciaran Liedeman - <https://github.com/cliedeman>  
Cindy Wang - <https://github.com/birdfriend>  
Cornelius Dirmeier - <https://github.com/cornzy>  
David Feinblum - <https://github.com/dvfeinblum>  
Darren Rambaud - <https://github.com/xyzst>  
Dekel Pilli - <https://github.com/dekelpilli>  
Dilip Krishnan - <https://github.com/dilipkrish>  
Dmytro Polovinkin - <https://github.com/navpil>

Ewald Volkert - <https://github.com/eforest>  
Eric Martineau - <https://github.com/ericmartineau>  
Ewald Volkert - <https://github.com/eforest>  
Filip Hrisafov - <https://github.com/filiphr>  
Florian Tavares - <https://github.com/neoXfire>  
Gervais Blaise - <https://github.com/gervaisb>  
Gibou Damien - <https://github.com/dmngb>  
Gunnar Morling - <https://github.com/gunnarmorling>  
Ivo Smid - <https://github.com/bedla>  
Jason Bodnar - <https://github.com/Blackbaud-JasonBodnar>  
Jeroen van Wilgenburg - <https://github.com/jvwilge>  
Jeff Smyth - <https://github.com/smythie86>  
João Paulo Bassinello - <https://github.com/jpbassinello>  
Jonathan Kraska - <https://github.com/jakraska>  
Joshua Spoerri - <https://github.com/spoerri>  
Jude Niroshan - <https://github.com/JudeNiroshan>  
Justyna Kubica-Ledzion - <https://github.com/JKLedzion>  
Kemal Özcan - <https://github.com/yekeoe>  
Kevin Grüneberg - <https://github.com/kevcodez>  
Lukas Lazar - <https://github.com/LukeLaz>  
Nikolas Charalambidis - <https://github.com/Nikolas-Charalambidis>  
Michael Pardo - <https://github.com/pardom>  
Mustafa Caylak - <https://github.com/luxmeter>  
Oliver Ehrenmüller - <https://github.com/greuelpirat>  
Paul Strugnell - <https://github.com/ps-powa>  
Pascal Grün - <https://github.com/pascalgn>  
Pavel Makhov - <https://github.com/streetturtle>  
Peter Larson - <https://github.com/pjlarson>  
Remko Plantenga - <https://github.com/sonata82>  
Remo Meier - <https://github.com/remmeier>  
Richard Lea - <https://github.com/chigix>  
Saheb Preet Singh - <https://github.com/sahebpreet>  
Samuel Wright - <https://github.com/samwright>  
Sebastian Haberey - <https://github.com/sebastianhaberey>  
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Sean Huang - <https://github.com/seanjob>  
Sjaak Derksen - <https://github.com/sjaakd>  
Stefan May - <https://github.com/osthus-sm>  
Taras Mychaskiw - <https://github.com/twenty lemon>  
Thibault Duperron - <https://github.com/Zomzog>  
Tomáš Poledný - <https://github.com/Saljack>  
Tobias Meggendorfer - <https://github.com/incaseoftrouble>  
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### Microsoft

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Jonathan Halterman

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MongoDB, Inc.

MongoDB Driver (org.mongodb:mongodb-driver-sync)

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1. com.github.stephenc.jcip » jcip-annotations (Apache 2.0)

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## Nimbus OAuth 2.0 SDK with OpenID Connect extensions 11.6

Connect2id Ltd.

Nimbus OAuth 2.0 SDK with OpenID Connect extensions: com.nimbusds:oauth2-oidc-sdk

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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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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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dateutil

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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/flf7821f07cf76504a97f6537c818083>

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PCG Random Number Generation for C.

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

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Original algorithm for the implementation of `rk_interval` function from Richard

J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

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

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Name: Julia

The ziggurat methods were derived from Julia.

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Name: Random

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dragon4

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[5] <https://www.ecma-international.org/publications/files/ECMA-ST/Ecma%20PATENT/Patent%20statements%20ok/ECMA-376%20Adobe%20Patent%20Declaration.pdf>

org.apache.poi.util.ReplacingInputStream is based on code from  
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com.github.virtuald:curvesapi

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@types/node

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pako

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readable-stream

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core-util-is

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process-nextick-args

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safe-buffer

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util-deprecate

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## Prophet, version 1.1.4

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prophet 1.1.4 has dependencies on following libraries:

```
prophet needs "cmdstanpy"
  "cmdstanpy" needs "numpy"
    "numpy" embedded/bundled libraries are listed at the bottom
  "cmdstanpy" needs "pandas"
    "pandas" needs "numpy"
      "numpy" embedded/bundled libraries are listed at the bottom
    "pandas" needs "python-dateutil"
      "python-dateutil" needs "six"
        "six" doesn't have any dependencies
    "pandas" needs "pytz"
      "pytz" doesn't have any dependencies
    "pandas" needs "tzdata"
      "tzdata" doesn't have any dependencies
  "cmdstanpy" needs "tqdm"
    "tqdm" doesn't have any dependencies
prophet needs "convertdate"
  "convertdate" needs "PyMeeus"
    "PyMeeus" doesn't have any dependencies

prophet needs "holidays"
  "holidays" needs "python-dateutil"
    "python-dateutil" needs "six"
      "six" doesn't have any dependencies
prophet needs "importlib-resources"
  "importlib-resources" needs "zipp"
    "zipp" doesn't have any dependencies
prophet needs "LunarCalendar"
  "LunarCalendar" needs "ephem"
    "ephem" doesn't have any dependencies
  "LunarCalendar" needs "python-dateutil"
    "python-dateutil" needs "six"
      "six" doesn't have any dependencies
  "LunarCalendar" needs "pytz"
    "pytz" doesn't have any dependencies
prophet needs "matplotlib"
  "matplotlib" needs "contourpy"
    "contourpy" needs "numpy"
      "numpy" embedded/bundled libraries are listed at the bottom
  "matplotlib" needs "cyclor"
    "cyclor" doesn't have any dependencies
  "matplotlib" needs "fonttools"
    "fonttools" doesn't have any dependencies
  "matplotlib" needs "importlib-resources"
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      "zipp" doesn't have any dependencies
```

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"matplotlib" needs "kiwisolver"
"kiwisolver" doesn't have any dependencies
"matplotlib" needs "numpy"
"numpy" doesn't have any dependencies
"matplotlib" needs "packaging"
"packaging" doesn't have any dependencies
"matplotlib" needs "Pillow"
"Pillow" doesn't have any dependencies
"matplotlib" needs "pyparsing"
"pyparsing" doesn't have any dependencies
"matplotlib" needs "python-dateutil"
"python-dateutil" needs "six"
"six" doesn't have any dependencies
"matplotlib" need "Agg" and "ttconv" embedded whose licenses are below.
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"numpy" embedded/bundled libraries are listed at the bottom
prophet needs "pandas"
"pandas" needs "numpy"
"numpy" embedded/bundled libraries are listed at the bottom
"pandas" needs "python-dateutil"
"python-dateutil" needs "six"
"six" doesn't have any dependencies
"pandas" needs "pytz"
"pytz" doesn't have any dependencies
"pandas" needs "tzdata"
"tzdata" doesn't have any dependencies
prophet needs "python-dateutil"
"python-dateutil" needs "six"
"six" doesn't have any dependencies
prophet needs "tqdm"
"tqdm" doesn't have any dependencies

```

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```

```
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Files: tools/npv_tempita/*
```

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Files: /numpy/blob/numpy/random/src/sfc64/\*  
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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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```
package_name: holidays
license_type: MIT License
```

license\_text:  
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license\_type: Apache Software License  
license\_text:

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package\_name: LunarCalendar  
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license\_text:  
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license\_text:  
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IHEP, OMVT  
Moscow Region  
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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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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.

The Nucleic Development Team is the set of all contributors to the Nucleic project and its subprojects.

The core team that coordinates development on GitHub can be found here: <http://github.com/nucleic>. The current team consists of:

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Fourth party dependencies :

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com.mchange:c3p0  
com.mchange:mchange-commons-java  
org.slf4j-api

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## Redis, version 6.2.11

Salvatore Sanfilippo

Top Level Component:

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Dependencies:

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2. hiredis - BSD
3. linenoise - BSD 2-Clause
4. lua 5.1 - MIT License
5. hdr\_histogram - BSD 2-Clause

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Robert Winkler and Bohdan Stotozhuk

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license_type: BSD License
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ruptures needs "scipy"
"scipy" needs "numpy"
"numpy" doesn't have any dependencies, except for embedded software
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package_name: scipy
license_type: BSD 3-Clause License
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Description: bundled in OpenBLAS  
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tempita

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dragon4

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Name: SFC64

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

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

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PCG Random Number Generation for C.

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Name: MT19937

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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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Name: ampgo

Files: benchmarks/benchmarks/go\_benchmark\_functions/\*.py

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Functions for testing global optimizers, forked from the AMPGO project,  
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Name: pybind11

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

The Python code and wrapper are copyrighted 2004 by David M. Cooke  
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Name: Qhull

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C.B. Barber  
Arlington, MA

and

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Name: Biasedurn

----- 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 <mhaberla@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

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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/  
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- unuran-1.8.1/aclocal.m4
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- 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
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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  
unuran-1.8.1/src/methods/Makefile.in  
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  
unuran-1.8.1/src/uniform/mrg31k3p.c  
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  
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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  
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unuran-1.8.1/tests/t\_ars.c  
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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
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unuran-1.8.1/src/methods/deprecated_tdrgw.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 mterr()
* (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  
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---

## scala-collection-compat\_2.12 2.11.0

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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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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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- \* 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.

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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

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Name: UNU.RAN  
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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:

```
unuran-1.8.1/COPYING
unuran-1.8.1/INSTALL
unuran-1.8.1/Makefile.am
unuran-1.8.1/Makefile.in
unuran-1.8.1/NEWS
unuran-1.8.1/UPGRADE
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
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unuran-1.8.1/doc/figures/discrete_inversion.pdf
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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  
unuran-1.8.1/tests/t\_distr\_cvemp.c  
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unuran-1.8.1/tests/t\_distr\_cxtrans.c  
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unuran-1.8.1/tests/t\_distr\_discr.c  
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unuran-1.8.1/tests/t\_srou.conf  
unuran-1.8.1/tests/t\_ssr.c

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unuran-1.8.1/tests/t_ssr.conf
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unuran-1.8.1/tests/t_stringparser.conf
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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
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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_tdr gw.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 Cephes, see ./src/src/  
specfunct/cephes\_source.h

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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/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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unuran-1.8.1/src/parser/stringparser_lists.ch.in
UNU.RAN relies on a modified version of the library Cephes, see ./src/src/
specfunct/cephes_source.h

```

# scipy, version 1.10.1

SciPy developers

[Automatically populated from the Public License field]

# setuptools-rust 1.9.0

Nikolay Kim

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Dependency: :tomli

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Dependency: :setuptools

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Dependency: :semantic-version

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# shap 0.44.0

Scott Lundberg

===== Package: shap =====

Name: shap

Source code URL: <http://github.com/slundberg/shap>

License: MIT License

===== Dependencies =====

cloudpickle (BSD 3-Clause "New" or "Revised" License) [<https://github.com/cloudpipe/cloudpickle>]  
importlib-metadata (Apache License 2.0) [[https://github.com/python/importlib\\_metadata](https://github.com/python/importlib_metadata)]  
joblib (BSD 3-Clause "New" or "Revised" License) [<https://github.com/joblib/joblib>]  
llvmlite (BSD 2-Clause "Simplified" License) [<https://github.com/numba/llvmlite>]  
numba (BSD 2-Clause "Simplified" License) [<https://github.com/numba/numba>]  
numpy (BSD 3-Clause "New" or "Revised" License) [<https://github.com/numpy/numpy>]  
pandas (BSD 3-Clause "New" or "Revised" License) [<https://github.com/pandas-dev/pandas>]  
python-dateutil (Apache License 2.0) [<https://github.com/dateutil/dateutil>]  
pytz (MIT License) [<https://github.com/stub42/pytz>]  
scikit-learn (BSD 3-Clause "New" or "Revised" License) [<https://github.com/scikit-learn/scikit-learn>]  
scipy (BSD 3-Clause "New" or "Revised" License) [<https://github.com/scipy/scipy>]  
six (MIT License) [<https://github.com/benjaminp/six>]  
slicer (MIT License) [<https://github.com/interpretml/slicer>]  
threadpoolctl (BSD 3-Clause "New" or "Revised" License) [<https://github.com/joblib/threadpoolctl>]  
tqdm (MIT License) [<https://github.com/tqdm/tqdm>]  
tzdata (Apache License 2.0) [<https://github.com/python/tzdata>]  
zipp (MIT License) [<https://github.com/jaraco/zipp>]  
ARPACK, bundled dependency of scipy, (3-clause BSD) [scipy/sparse/linalg/eigen/arpac/ARPACK/\*]  
Biasedurn, bundled dependency of scipy, (3-Clause BSD) [scipy/stats/biasedurn/\*]  
Boost, bundled dependency of scipy, (Boost Software License - Version 1.0) [scipy/\_lib/boost/\*]  
Cephes, bundled dependency of scipy, (3-clause BSD) [scipy/special/cephes/\*]  
Decorator, bundled dependency of scipy, (2-clause BSD) [scipy/\_lib/decorator.py]  
Faddeeva, bundled dependency of scipy, (MIT) [scipy/special/Faddeeva.\*]  
HiGHS, bundled dependency of scipy, (MIT) [scipy/optimize/\_highs/\*]  
ID, bundled dependency of scipy, (3-clause BSD) [scipy/linalg/src/id\_dist/\*]  
Julia, bundled dependency of numpy, (MIT) [/numpy/blob/numpy/random/src/distributions/\*]  
L-BFGS-B, bundled dependency of scipy, (BSD license) [scipy/optimize/lbfgsb/\*]  
LAPJVsp, bundled dependency of scipy, (3-clause BSD) [scipy/sparse/csgraph/\_matching.pyx]  
MT19937, bundled dependency of numpy, (MIT) [/numpy/blob/numpy/random/src/mt19937/\*]  
Numpydoc, bundled dependency of scipy, (2-clause BSD) [doc/sphinxext/numpydoc/\*]  
PCG64, bundled dependency of numpy, (MIT) [/numpy/blob/numpy/random/src/pcg64/\*]  
PHILOX, bundled dependency of numpy, (BSD 3-Clause) [/numpy/blob/numpy/random/src/philox/\*]  
Qhull, bundled dependency of scipy, (Qhull license (BSD-like)) [scipy/spatial/qhull/\*]  
Random, bundled dependency of numpy, (dual-licensed under the The University of

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Illinois/NCSA Open Source License (NCSA) and The 3-Clause BSD License) [/numpy/
blob/numpy/random/*]
SFC64, bundled dependency of numpy, (MIT) [/numpy/blob/numpy/random/src/sfc64/*]
SPLITMIX64, bundled dependency of numpy, (BSD 3-Clause) [/numpy/blob/numpy/
random/src/splitmix64/*]
SuperLU, bundled dependency of scipy, (3-clause BSD) [scipy/sparse/linalg/dsolve/
SuperLU/*]
UNU.RAN, bundled dependency of scipy, (3-Clause BSD) [scipy/_lib/unuran/*]
ampgo, bundled dependency of scipy, (MIT) [benchmarks/benchmarks/
go_benchmark_functions/*.py]
dragon4, bundled dependency of numpy, (MIT) [numpy/core/src/multiarray/dragon4.c]
lapack-lite, bundled dependency of numpy, (BSD-3-Clause) [numpy/linalg/
lapack_lite/*]
libdivide, bundled dependency of numpy, (Zlib) [numpy/core/include/numpy/
libdivide/*]
nymphy.core.ma, bundled dependency of numpy, (BSD 3-Clause) [/numpy/blob/
numpy/ma/*]
pypocketfft, bundled dependency of scipy, (3-Clause BSD) [scipy/fft/_pocketfft/
[pocketfft.h, pypocketfft.cxx]]
qd, bundled dependency of scipy, (modified BSD license ("BSD-LBNL-License.doc"))
[scipy/special/cephes/dd_*.ch]
scipy-sphinx-theme, bundled dependency of scipy, (3-clause BSD, PSF and Apache
2.0) [doc/scipy-sphinx-theme/*]
tempita, bundled dependency of numpy, (MIT) [tools/npymath/tempita/*]
uarray, bundled dependency of scipy, (3-Clause BSD) [scipy/_lib/uarray/*]
LAPACK, bundled dependency of numpy, (3-clause BSD) [.libs/libopenblas.so]
OpenBLAS, bundled dependency of numpy, (3-clause BSD) [.libs/libopenblas.so]

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```

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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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2003-2005.");
sph_bessel_data.ipp:// Copyright (c) 2007 John Maddock
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test_inverse_chi_squared.cpp:// Copyright Paul A. Bristow 2010.
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This binary distribution of SciPy also bundles the following software:

Name: OpenBLAS

Files: .libs/libopenb\*.so

Description: bundled as a dynamically linked library

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

License: 3-clause BSD

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Name: LAPACK

Files: .libs/libopenb\*.so

Description: bundled in OpenBLAS

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

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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.

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Matt  
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- unuran-1.8.1/doc/figures/Makefile.in
- unuran-1.8.1/doc/figures/discrete\_inversion.eps
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```

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

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\* files: tqdm/\_tqdm.py

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\* files: tqdm/\_tqdm.py setup.py README.rst MANIFEST.in .gitignore

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[PR #96]: https://github.com/tqdm/tqdm/pull/96

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----- tzdata (Apache License 2.0) [<https://github.com/python/tzdata>]

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README for the tz distribution

"What time is it?" -- Richard Deacon as The King  
"Any time you want it to be." -- Frank Baxter as The Scientist  
(from the Bell System film "About Time")

The Time Zone Database (often called tz or zoneinfo) contains code and  
data that represent the history of local time for many representative  
locations around the globe. It is updated periodically to reflect  
changes made by political bodies to time zone boundaries, UTC offsets,  
and daylight-saving rules.

Unless otherwise specified, all files in the tz code and data are in  
the public domain, so clarified as of 2009-05-17 by Arthur David Olson.  
The few exceptions are code derived from BSD, which uses the BSD license.

Here is a recipe for acquiring, building, installing, and testing the  
tz distribution on a GNU/Linux or similar host.

```
mkdir tz
cd tz
wget --retr-symlinks 'ftp://ftp.iana.org/tz/tz*-latest.tar.gz'
gzip -dc tzcode-latest.tar.gz | tar -xf -
gzip -dc tzdata-latest.tar.gz | tar -xf -
```

Be sure to read the comments in "Makefile" and make any changes needed  
to make things right for your system, especially if you are using some  
platform other than GNU/Linux. Then run the following commands,  
substituting your desired installation directory for "\$HOME/tzdir":

```
make TOPDIR=$HOME/tzdir install
$HOME/tzdir/etc/zdump -v America/Los_Angeles
```

Historical local time information has been included here to:

- \* provide a compendium of data about the history of civil time  
that is useful even if the data are not 100% accurate;
- \* give an idea of the variety of local time rules that have  
existed in the past and thus an idea of the variety that may be  
expected in the future;
- \* provide a test of the generality of the local time rule description  
system.

The information in the time zone data files is by no means authoritative;



the files currently do not even attempt to cover all time stamps before 1970, and there are undoubtedly errors even for time stamps since 1970. If you know that the rules are different from those in a file, by all means feel free to change a file (and please send the changed version to tz@iana.org for use in the future). Europeans take note!

Thanks to these Timezone Caballeros who've made major contributions to the time conversion package: Keith Bostic; Bob Devine; Paul Eggert; Robert Elz; Guy Harris; Mark Horton; John Mackin; and Bradley White. Thanks also to Michael Bloom, Art Neilson, Stephen Prince, John Sovereign, and Frank Wales for testing work, and to Gwillim Law for checking local mean time data. Thanks in particular to Arthur David Olson, the project's founder and first maintainer, to whom the timezone community owes the greatest debt of all. None of them are responsible for remaining errors.

Look in <ftp://ftp.iana.org/tz/releases/> for updated versions of these files.

Please send comments or information to tz@iana.org.

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src/test/org/apache/commons/codec/language/DoubleMetaphoneTest.java

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org.springframework:spring-core  
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## spring-boot-autoconfigure 3.2.3

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#00 org.springframework.boot:spring-boot:jar:  
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#02 org.springframework:spring-jcl:jar:  
#03 org.springframework:spring-context:jar:  
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```
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#00 org.springframework.boot:spring-boot-actuator-autoconfigure:jar:
#00 org.springframework.boot:spring-boot-actuator:jar:
#00 org.springframework.boot:spring-boot-autoconfigure:jar:
#00 org.springframework.boot:spring-boot-starter:jar:
#00 org.springframework.boot:spring-boot-starter-logging:jar:
#01 ch.qos.logback:logback-classic:jar:
#02 ch.qos.logback:logback-core:jar:
#03 com.fasterxml.jackson.core:jackson-core:jar:
#04 com.fasterxml.jackson.core:jackson-annotations:jar:
#05 com.fasterxml.jackson.core:jackson-databind:jar:
#06 com.fasterxml.jackson.datatype:jackson-datatype-jsr310:jar:
#07 jakarta.annotation:jakarta.annotation-api:jar:
#08 org.apache.logging.log4j:log4j-api:jar:
#09 org.apache.logging.log4j:log4j-to-slf4j:jar:
#10 org.slf4j:jul-to-slf4j:jar:
#11 org.slf4j:slf4j-api:jar:
#12 org.springframework:spring-aop:jar:
#13 org.springframework:spring-beans:jar:
#14 org.springframework:spring-context:jar:
#15 org.springframework:spring-core:jar:
#16 org.springframework:spring-expression:jar:
#17 org.springframework:spring-jcl:jar:
#18 org.yaml:snakeyaml:jar:
#19 io.micrometer:micrometer-core:jar:
#20 io.micrometer:micrometer-observation:jar:
#21 io.micrometer:micrometer-jakarta9:jar:
#22 io.micrometer:micrometer-commons:jar:
#23 org.hdrhistogram:HdrHistogram:jar:
#24 org.latencyutils:LatencyUtils:jar:
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src/main/java/java/math/BigDecimal.java  
src/main/java/java/math/MutableBigInteger.java  
src/test/java/BigIntegerTest.java

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## spring-boot-starter-aop 3.2.3

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## spring-boot-starter-data-jdbc 3.2.3

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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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The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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

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

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

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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

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

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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

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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.

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

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy

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

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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

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----- Separator -----

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# %%
# Dual licensed under GNU LGPL 2.1 or Apache License 2.0
# #L%
###
dual_lgpl_ap2=Dual License GNU LGPL 2.1 or Apache License 2.0
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org.springframework.boot:spring-boot-starter-web
org.springframework.boot:spring-boot-starter
org.springframework.boot:spring-boot
org.springframework.boot:spring-boot-autoconfigure
org.springframework.boot:spring-boot-starter-logging
org.springframework.boot:spring-boot-starter-json
org.springframework.boot:spring-boot-starter-tomcat
org.springframework.data:spring-data-commons
com.fasterxml.jackson.datatype:jackson-datatype-jdk8
com.fasterxml.jackson.datatype:jackson-datatype-jsr310
com.fasterxml.jackson.module:jackson-module-parameter-names
com.fasterxml.jackson.core:jackson-core
com.fasterxml.jackson.core:jackson-annotations
com.fasterxml.jackson.core:jackson-databind
org.springframework:spring-core
org.springframework:spring-webmvc
org.springframework:spring-aop
org.springframework:spring-jcl
org.springframework:spring-web
org.springframework:spring-beans
org.springframework:spring-context
org.springframework:spring-expression
org.springframework:spring-tx
org.yaml:snakeyaml
io.micrometer:micrometer-observation
io.micrometer:micrometer-commons
spring-data-rest-webmvc
org.springframework.data:spring-data-rest-core
org.springframework.hateoas:spring-hateoas
com.jayway.jsonpath:json-path
net.minidev:json-smart
net.minidev:accessors-smart
org.springframework.plugin:spring-plugin-core
org.atteo:evo-inflector
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ch.qos.logback:logback-classic
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org.apache.tomcat.embed:tomcat-embed-core  
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- jakartaee\_10.xsd
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- jakarta\_web-services\_client\_2\_0.xsd
- jsp\_3\_0.xsd
- jsp\_3\_1.xsd
- jsp\_4\_0.xsd
- web-app\_5\_0.xsd
- web-app\_6\_0.xsd
- web-app\_6\_1.xsd
- web-commonn\_5\_0.xsd
- web-commonn\_6\_0.xsd
- web-commonn\_6\_1.xsd
- web-fragment\_5\_0.xsd
- web-fragment\_6\_0.xsd
- web-fragment\_6\_1.xsd
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- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
- web-fragment\_3\_0.xsd
- javaee\_7.xsd
- javaee\_web\_services\_1\_4.xsd
- javaee\_web\_services\_client\_1\_4.xsd
- jsp\_2\_3.xsd
- web-app\_3\_1.xsd
- web-common\_3\_1.xsd
- web-fragment\_3\_1.xsd
- javaee\_8.xsd
- web-app\_4\_0.xsd
- web-common\_4\_0.xsd
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org.ow2.asm:asm

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org.slf4j
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- slf4j-api

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## spring-boot-starter-jetty 3.2.3

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- jakarta\_web-services\_client\_2\_0.xsd
- jsp\_3\_0.xsd
- jsp\_3\_1.xsd
- web-app\_5\_0.xsd
- web-app\_6\_0.xsd
- web-commonn\_5\_0.xsd
- web-commonn\_6\_0.xsd
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- javaee\_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

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Fourth party dependencies

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#00 org.springframework.boot:spring-boot-autoconfigure:jar:  
#00 org.springframework.boot:spring-boot-starter:jar:  
#00 org.springframework.boot:spring-boot-starter-logging:jar:  
#01 ch.qos.logback:logback-classic:jar:  
#02 ch.qos.logback:logback-core:jar:  
#03 jakarta.annotation:jakarta.annotation-api:jar:  
#04 org.apache.logging.log4j:log4j-api:jar:  
#05 org.apache.logging.log4j:log4j-to-slf4j:jar:  
#06 org.slf4j:jul-to-slf4j:jar:  
#07 org.slf4j:slf4j-api:jar:  
#08 org.springframework:spring-aop:jar:  
#09 org.springframework:spring-beans:jar:  
#10 org.springframework:spring-context:jar:  
#11 org.springframework:spring-context-support:jar:  
#12 org.springframework:spring-core:jar:  
#13 org.springframework:spring-expression:jar:  
#14 org.springframework:spring-jcl:jar:  
#15 org.yaml:snakeyaml:jar:  
#16 jakarta.activation:jakarta.activation-api:jar:  
#17 org.eclipse.angus:angus-activation:jar:  
#18 org.eclipse.angus:jakarta.mail:jar:

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Fourth Party #00 org.springframework.boot:spring-boot components

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Fourth Party #01, #02 ch.qos.logback:logback components

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## spring-boot-starter-quartz 3.2.3

Pivotal, Inc.

Top Level componet - spring-boot-starter-quartz

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org.springframework.boot:spring-boot  
org.springframework.boot:spring-boot-autoconfigure  
org.springframework.boot:spring-boot-starter-logging  
org.springframework:spring-core  
org.springframework:spring-context  
org.springframework:spring-context-support  
org.springframework:spring-beans:jar  
org.springframework:spring-jcl  
org.springframework:spring-aop  
org.springframework:spring-expression  
org.springframework:spring-tx  
ch.qos.logback:logback-classic  
ch.qos.logback:logback-core  
org.slf4j:slf4j-api  
org.apache.logging.log4j:log4j-to-slf4j  
org.apache.logging.log4j:log4j-api  
org.slf4j:jul-to-slf4j  
jakarta.annotation:jakarta.annotation-api  
org.yaml:snakeyaml  
org.quartz-scheduler:quartz

Fourth-Party Dependencies

org.springframework:spring-core  
org.springframework:spring-context

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org.springframework:spring-context-support
org.springframework:spring-beans:jar
org.springframework:spring-aop
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org.springframework:spring-tx
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## spring-boot-starter-test 3.2.3

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|---------------------|------------------------|
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* [The API repository] (https://github.com/eclipse-ee4j/beanvalidation-api)
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Java ClassMate library was originally written by Tatu Saloranta  
([tatu.saloranta@iki.fi](mailto:tatu.saloranta@iki.fi))

Other developers who have contributed code are:

\* Brian Langel

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org.apache.tomcat.embed tomcat-embed-el

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- javaee\_web\_services\_1\_2.xsd
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- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
- web-fragment\_3\_0.xsd
- javaee\_7.xsd
- javaee\_web\_services\_1\_4.xsd
- javaee\_web\_services\_client\_1\_4.xsd
- jsp\_2\_3.xsd



- web-app\_3\_1.xsd
- web-common\_3\_1.xsd
- web-fragment\_3\_1.xsd
- javaee\_8.xsd
- web-app\_4\_0.xsd
- web-common\_4\_0.xsd
- web-fragment\_4\_0.xsd

may be obtained from:  
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## spring-boot-starter-webflux 3.2.3

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io.netty:netty-resolver-dns
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== NAME OF DEPENDENCY 41
io.micrometer:micrometer-observation
== NAME OF DEPENDENCY 42
io.micrometer:micrometer-commons
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org.slf4j:jul-to-slf4j
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== NAME OF DEPENDENCY 48
ch.qos.logback:logback-core
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== NAME OF DEPENDENCY 49

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

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== NAME OF DEPENDENCY 51  
ch.randelshofer:fastdoubleparser

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== NAME OF DEPENDENCY 52

com.fasterxml.jackson.core jackson-core

Notice:  
# Jackson JSON processor

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

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## FastDoubleParser

jackson-core bundles a shaded copy of FastDoubleParser <<https://github.com/wrandelshofer/FastDoubleParser>>.

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| org.springframework.boot | spring-boot-starter           |
| org.springframework.boot | spring-boot-starter-json      |
| org.springframework.boot | spring-boot-starter-logging   |
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|                          |           |
|--------------------------|-----------|
| org.apache.logging.log4j | log4j-api |
|--------------------------|-----------|

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

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com.fasterxml.jackson.datatype:jackson-datatype-jsr310
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| org.apache.tomcat.embed | tomcat-embed-websocket |
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grammar

for JSON written by Robert Fischer.  
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- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
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org.apache.tomcat.util.json.JSONParser.jj is a public domain javacc grammar for JSON written by Robert Fischer.  
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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-app\_3\_0.xsd
- web-common\_3\_0.xsd
- web-fragment\_3\_0.xsd
- javaee\_7.xsd
- javaee\_web\_services\_1\_4.xsd
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- web-common\_3\_1.xsd
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- web-app\_3\_1.xsd
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org.springframework.security:spring-security-crypto  
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org.springframework:spring-beans  
org.springframework:spring-webmvc  
org.springframework:spring-context  
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org.springframework:spring-aop  
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- jsp\_3\_1.xsd
- web-app\_5\_0.xsd
- web-app\_6\_0.xsd
- web-commonn\_5\_0.xsd
- web-commonn\_6\_0.xsd
- web-fragment\_5\_0.xsd
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com.fasterxml.jackson.core:jackson-core
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  "absl-py" doesn't have any dependencies
"tensorflow" needs "astunparse"
  "astunparse" needs "six"
    "six" doesn't have any dependencies
  "astunparse" needs "wheel"
    "wheel" doesn't have any dependencies
"tensorflow" needs "flatbuffers"
  "flatbuffers" doesn't have any dependencies
"tensorflow" needs "gast"
  "gast" doesn't have any dependencies
"tensorflow" needs "google-pasta"
  "google-pasta" needs "six"
    "six" doesn't have any dependencies
"tensorflow" needs "grpcio"
  "grpcio" doesn't have any dependencies
"tensorflow" needs "h5py"
  "h5py" needs "numpy"
    "numpy" doesn't have any dependencies
"tensorflow" needs "keras"
  "keras" doesn't have any dependencies
"tensorflow" needs "libclang"
  "libclang" doesn't have any dependencies
"tensorflow" needs "numpy"
  "numpy" doesn't have any dependencies
"tensorflow" needs "opt-einsum"
  "opt-einsum" needs "numpy"
    "numpy" doesn't have any dependencies
"tensorflow" needs "packaging"
  "packaging" doesn't have any dependencies
"tensorflow" needs "protobuf"
```

```

"protobuf" doesn't have any dependencies
"tensorflow" needs "setuptools"
"setuptools" doesn't have any dependencies
"tensorflow" needs "six"
"six" doesn't have any dependencies
"tensorflow" needs "tensorboard"
"tensorboard" needs "absl-py"
"absl-py" doesn't have any dependencies
"tensorboard" needs "google-auth"
"google-auth" needs "cachetools"
"cachetools" doesn't have any dependencies
"google-auth" needs "pyasn1-modules"
"pyasn1-modules" needs "pyasn1"
"pyasn1" doesn't have any dependencies
"google-auth" needs "rsa"
"rsa" needs "pyasn1"
"pyasn1" doesn't have any dependencies
"tensorboard" needs "google-auth-oauthlib"
"google-auth-oauthlib" needs "google-auth"
"google-auth" needs "cachetools"
"cachetools" doesn't have any dependencies
"google-auth" needs "pyasn1-modules"
"pyasn1-modules" needs "pyasn1"
"pyasn1" doesn't have any dependencies
"google-auth" needs "rsa"
"rsa" needs "pyasn1"
"pyasn1" doesn't have any dependencies
"google-auth-oauthlib" needs "requests-oauthlib"
"requests-oauthlib" needs "oauthlib"
"oauthlib" doesn't have any dependencies
"requests-oauthlib" needs "requests"
"requests" needs "certifi"
"certifi" doesn't have any dependencies
"requests" needs "charset-normalizer"
"charset-normalizer" doesn't have any dependencies
"requests" needs "idna"
"idna" doesn't have any dependencies
"requests" needs "urllib3"
"urllib3" doesn't have any dependencies
"tensorboard" needs "grpcio"
"grpcio" doesn't have any dependencies
"tensorboard" needs "Markdown"
"Markdown" needs "importlib-metadata"
"importlib-metadata" needs "zipp"
"zipp" doesn't have any dependencies
"tensorboard" needs "numpy"
"numpy" doesn't have any dependencies
"tensorboard" needs "protobuf"
"protobuf" doesn't have any dependencies
"tensorboard" needs "requests"
"requests" needs "certifi"
"certifi" doesn't have any dependencies
"requests" needs "charset-normalizer"
"charset-normalizer" doesn't have any dependencies
"requests" needs "idna"
"idna" doesn't have any dependencies
"requests" needs "urllib3"
"urllib3" doesn't have any dependencies

```



```
"tensorboard" needs "setuptools"
  "setuptools" doesn't have any dependencies
"tensorboard" needs "tensorboard-data-server"
  "tensorboard-data-server" doesn't have any dependencies
"tensorboard" needs "werkzeug"
  "werkzeug" needs "MarkupSafe"
    "MarkupSafe" doesn't have any dependencies
"tensorboard" needs "wheel"
  "wheel" doesn't have any dependencies
"tensorflow" needs "tensorflow-estimator"
  "tensorflow-estimator" doesn't have any dependencies
"tensorflow" needs "termcolor"
  "termcolor" doesn't have any dependencies
"tensorflow" needs "typing-extensions"
  "typing-extensions" doesn't have any dependencies
"tensorflow" needs "wrapt"
  "wrapt" doesn't have any dependencies
    "tensorflow" needs "tensorflow-io-gcs-filesystem"
"tensorflow-io-gcs-filesystem" doesn't have any dependencies
```

---

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

```
package_name: wheel
license_type: MIT License
```

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license\_type: Apache Software License  
notices\_and\_license\_text:

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license\_type: BSD License  
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notices\_and\_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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license_type: BSD License
notices_and_license_text:
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license_type: Apache Software License
notices_and_license_text:
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license_type: Apache Software License
notices_and_license_text:
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---

```
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license_type: BSD License
notices_and_license_text:
ISC License
```

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---

package\_name: requests  
license\_type: Apache Software License  
notices\_and\_license\_text:  
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---

```
package_name: certifi
license_type: Mozilla Public License 2.0 (MPL 2.0)
notices_and_license_text:
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:  
<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 \$

---

package\_name: charset-normalizer  
license\_type: MIT License  
notices\_and\_license\_text:  
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package\_name: idna  
license\_type: BSD License  
notices\_and\_license\_text:  
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```
package_name: urllib3
license_type: MIT License
notices_and_license_text:
MIT License
```

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notices_and_license_text:
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notices\_and\_license\_text:

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notices\_and\_license\_text:  
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license_type: Apache Software License
notices_and_license_text:
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license\_type: MIT License  
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license\_type: BSD or PSF type  
notices\_and\_license\_text:  
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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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| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
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dragon4

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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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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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This module uses ctypes to bind a whole bunch of functions and constants from SecureTransport. The goal here is to provide the low-level API to SecureTransport. These are essentially the C-level functions and constants, and they're pretty gross to work with.

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## wheel version 0.43.0

Daniel Holth

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