

Oracle® Communications

Network Analytics Suite Licensing Information User Manual



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A	GNU Lesser General Public License, 2.1 (LGPL-2.1)	
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AJ Info-ZIP

AK Node Fetch Team

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AP NGINX

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Introduction

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Licensing Information

Refer to the table below for information on:

- Description of Product Editions and Permitted Features
- Prerequisite Products
- Entitled Products and Restricted Use Licenses

2.1 NWDAF Licensing Information

Refer to the table below for information on:

- Description of Product Editions and Permitted Features
- Prerequisite Products
- Entitled Products and Restricted Use Licenses

Table 2-1 Licensing Information

Product	Sub Product	Licensing Information
Oracle Communications Networks Data Analytics Function	Oracle Communications NWDAF, Device State – 25K Active Subscribers	<p>Description: The Network Data Analytics Function (NWDAF) standardizes and streamlines how data is collected and how the analytical insights drawn from the network are consumed and distributed across the network to support 5G network operations. It provides standard interfaces for 5G core network functions to deliver and receive (statistical and predictive) performance data and other data sets to and from the NWDAF using a publish/subscribe or request/response model.</p> <p>Overall, it allows Customers to drive the analytic-driven and closed-loop automation of network functions.</p> <p>It supports the following analytic id's/ categories:</p> <ul style="list-style-type: none"> • UE Mobility Information • UE Abnormal Behavior Information • UE Communication Information <p>Prerequisites: None Entitled Products and Restricted Use Licenses: None Counting Mechanism: NWDAF counts unique device identifiers as it processes messages.</p>

Table 2-1 (Cont.) Licensing Information

Product	Sub Product	Licensing Information
Oracle Communications Networks Data Analytics Function	Oracle Communications NWDAF, Network State – 25K Active Subscribers	<p>Description: The Network Data Analytics Function (NWDAF) standardizes and streamlines how data is collected and how the analytical insights drawn from the network are consumed and distributed across the network to support 5G network operations. It provides standard interfaces for 5G core network functions to deliver and receive (statistical and predictive) performance data and other data sets to and from the NWDAF using a publish/subscribe or request/response model.</p> <p>Overall, it allows customers to drive the analytic-driven and closed-loop automation of network functions.</p> <p>It supports the following analytic id's/ categories:</p> <ul style="list-style-type: none"> • Slice Load Level Information • NF Load Information • Network Performance Information • QOS Sustainability <p>Prerequisites: None</p> <p>Entitled Products and Restricted Use Licenses: None</p> <p>Counting Mechanism: NWDAF counts unique device identifiers as it processes messages.</p>

Table 2-1 (Cont.) Licensing Information

Product	Sub Product	Licensing Information
Oracle Communications Networks Data Analytics Function	Oracle Communications Cloud Native Core, NWDAF, Service Experience – per 25K Active Subscribers	<p>The Network Data Analytics Function (NWDAF) standardizes and streamlines how data is collected and how the analytical insights drawn from the network are consumed and distributed across the network to support 5G network operations. It provides standard interfaces for 5G core network functions to deliver and receive (statistical and predictive) performance data and other data sets to and from the NWDAF using a publish/subscribe or request/response model.</p> <p>Overall, it allows customers to drive the analytics-driven and closed-loop automation of network functions.</p> <p>It supports the following analytics id's/categories:</p> <ul style="list-style-type: none"> • Observed Service Experience Information • User Data Congestion Information <p>Prerequisites: None</p> <p>Entitled Products and Restricted Use Licenses: None</p> <p>Counting Mechanism: NWDAF counts unique device identifiers as it processes messages.</p>

 **Note:**

Oracle Java SE, used by NWDAF, must be downloaded separately from the Oracle Software Delivery Cloud as Oracle Java SE is not a part of the NWDAF download package. For more information on licensing, refer to the [Oracle Java SE End-User Licensing Agreement](#) .



Note:

Oracle CNE Infrastructure, used by NWDAF, must be downloaded separately from the Oracle Software Delivery Cloud as Oracle CNE Infrastructure is not a part of the NWDAF download package. For more information on licensing, refer to the [Oracle CNE Infrastructure End-User Licensing Agreement](#) .



Note:

Oracle cnDBTier, used by NWDAF, must be downloaded separately from the Oracle Software Delivery Cloud as Oracle cnDBTier is not a part of the NWDAF download package. For more information on licensing, refer to the [Oracle cnDBTier end-User Licensing Agreement](#).

2.2 Data Director Licensing Information

Refer to the table below for information on:

- Description of Product Editions and Permitted Features
- Prerequisite Products
- Entitled Products and Restricted Use Licenses

Table 2-2 Licensing Information

Product	Sub Product	Licensing Information
Oracle Communications Network Analytics Data Director	Oracle Communications Network Analytics Data Director, Service Communication Proxy Data Feed	<p>Description: Data Director is a product within the Oracle Communications Network Analytics Suite. It collects and aggregates the 5G SBI network traffic mirrored from Service Communication Proxy (SCP) network function and delivers the enriched traffic to third-party monitoring or probe tools for service monitoring/assurance or analytics purposes. The Data Director maintains e2e security of SBI messages and delivers the data through standardized interfaces.</p> <p>Prerequisites: The following license is a prerequisite to Oracle Communications Network Analytics Data Director, Service Communication Proxy Data Feed.</p> <ul style="list-style-type: none"> • Oracle Communications Cloud Native Core, Service Communication Proxy - 25K Active Subscribers <p>Entitled Products and Restricted Use Licenses: None</p> <p>Counting Mechanism: The Data Director counts network-wide messages per second as it processes messages.</p>

Table 2-2 (Cont.) Licensing Information

Product	Sub Product	Licensing Information
Oracle Communications Network Analytics Data Director	Oracle Communications Network Analytics Data Director, Network Repository Function Data Feed	<p>Description: Data Director is a product within the Oracle Communications Network Analytics Suite. It collects and aggregates the 5G SBI network traffic mirrored from Network Repository Function (NRF) network function and delivers the enriched traffic to third-party monitoring or probe tools for service monitoring/assurance or analytics purposes. The Data Director maintains e2e security of SBI messages and delivers the data through standardized interfaces.</p> <p>Prerequisites: The following license is a prerequisite to Oracle Communications Network Analytics Data Director, Network Repository Function Data Feed.</p> <ul style="list-style-type: none"> • Oracle Communications Cloud Native Core, Network Repository Function - 25K Active Subscribers <p>Entitled Products and Restricted Use Licenses: None</p> <p>Counting Mechanism: The Data Director counts network-wide messages per second as it processes messages.</p>

Table 2-2 (Cont.) Licensing Information

Product	Sub Product	Licensing Information
Oracle Communications Network Analytics Data Director	Oracle Communications Network Analytics Data Director, Security Edge Protection Proxy Data Feed	<p>Description: Data Director is a product within the Oracle Communications Network Analytics Suite. It collects and aggregates the 5G SBI network traffic mirrored from Security Edge Protection Proxy (SEPP) network function and delivers the enriched traffic to third-party monitoring or probe tools for service monitoring/assurance or analytics purposes. The Data Director maintains e2e security of SBI messages and delivers the data through standardized interfaces.</p> <p>Prerequisites: The following license is a prerequisite to Oracle Communications Network Analytics Data Director, Security Edge Protection Proxy Data Feed.</p> <ul style="list-style-type: none"> • Oracle Communications Cloud Native Core, Security Edge Protection Proxy - 25K Active Subscribers <p>Entitled Products and Restricted Use Licenses: None</p> <p>Counting Mechanism: The Data Director counts network-wide messages per second as it processes messages.</p>

Table 2-2 (Cont.) Licensing Information

Product	Sub Product	Licensing Information
Oracle Communications Network Analytics Data Director	Oracle Communications Network Analytics Data Director, Service Communication Proxy Advanced Packet Processing - Network-Wide Message per Second	<p>Description: This sub product adds the following optional features to the Oracle Communications Network Analytics Data Director, Service Communication Proxy Data Feed</p> <ul style="list-style-type: none"> • Data Replication • Synthetic L2/L7 packet over TCP/TLS tunnel to 3rd party tools • Data Filtration <p>Prerequisites: The following license is a prerequisite to Oracle Communications Network Analytics Data Director, Service Communication Proxy Advanced Packet Processing.</p> <ul style="list-style-type: none"> • Oracle Communications Network Analytics Data Director, Service Communication Proxy Data Feed <p>Entitled Products and Restricted Use Licenses: None</p> <p>Counting Mechanism: The Data Director counts network-wide messages per second as it processes messages.</p>

Table 2-2 (Cont.) Licensing Information

Product	Sub Product	Licensing Information
Oracle Communications Network Analytics Data Director	Oracle Communications Network Analytics Data Director, Network Repository Function Advanced Packet Processing - Network-Wide Message per Second	<p>Description: This sub product adds the following optional features to the Oracle Communications Network Analytics Data Director, Network Repository Function Data Feed</p> <ul style="list-style-type: none"> • Data Replication • Synthetic L2/L7 packet over TCP/TLS tunnel to 3rd party tools • Data Filtration <p>Prerequisites: The following license is a prerequisite to Oracle Communications Network Analytics Data Director, Network Repository Function Advanced Packet Processing.</p> <ul style="list-style-type: none"> • Oracle Communications Network Analytics Data Director, Network Repository Function Data Feed <p>Entitled Products and Restricted Use Licenses: None</p> <p>Counting Mechanism: The Data Director counts network-wide messages per second as it processes messages.</p>

Table 2-2 (Cont.) Licensing Information

Product	Sub Product	Licensing Information
Oracle Communications Network Analytics Data Director	Oracle Communications Network Analytics Data Director, Security Edge Protection Proxy Advanced Packet Processing - Network-Wide Message per Second	<p>Description: This sub product adds the following optional features to the Oracle Communications Network Analytics Data Director, Security Edge Protection Proxy Data Feed</p> <ul style="list-style-type: none"> • Data Replication • Synthetic L2/L7 packet over TCP/TLS tunnel to 3rd party tools • Data Filtration • xDR for IPX <p>Prerequisites: The following license is a prerequisite to Oracle Communications Network Analytics Data Director, Security Edge Protection Proxy Advanced Packet Processing.</p> <ul style="list-style-type: none"> • Oracle Communications Network Analytics Data Director, Security Edge Protection Proxy Data Feed <p>Entitled Products and Restricted Use Licenses: None</p> <p>Counting Mechanism: The Data Director counts network-wide messages per second as it processes messages.</p>



Note:

MySQL Enterprise Edition needs to be downloaded separately from the Oracle Software Delivery Cloud as it is not a part of the Data Director download package.

- For MySQL license manual, click [here](#).



Note:

Oracle Java SE, used by Data Director, must be downloaded separately from the Oracle Software Delivery Cloud as Oracle Java SE is not a part of the Data Director download package. For more information on licensing, refer to the [Oracle Java SE End-User Licensing Agreement](#).

 **Note:**

Oracle CNE Infrastructure, used by Data Director, must be downloaded separately from the Oracle Software Delivery Cloud as Oracle CNE Infrastructure is not a part of the Data Director download package. For more information on licensing, refer to the [Oracle CNE Infrastructure End-User Licensing Agreement](#) .

 **Note:**

Data Director uses both versions of Oracle Coherence (Community Edition [CE] and Enterprise edition [EE]). For more information on their licensing, please refer to the license document/release notes:

- [Oracle Coherence Enterprise Edition](#)
- [Oracle Coherence Community Edition](#)

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Third-Party Notices and/or Licenses

3.1 Commercial Software

Commercial software products or components distributed in Oracle Communications Cloud Native Core are identified in the following table along with the applicable licensing information.

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N/A	N/A	N/A

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The sections below identify the open source components used by Oracle Communications NWDAF. The licensing information can be found in section **NWDAF Licensing Information**.

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Amenezes	config-client 1.4.0	Amenezes
Encode OSS Ltd	uvicorn 0.27.1	Encode OSS Ltd
FasterXML, LLC	jackson - dataformat-yaml 2.16.0	jackson-dataformat-yaml
FasterXML, LLC	jackson - datatype-jsr310 2.16.0	jackson-datatype-jsr310

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MapLibre	MapLibre GL 2.4.0	MapLibre
Michael Bayer	SQLAlchemy 2.0.26	Michael Bayer
Microsoft Corporation	onnxruntime python 1.15.1	Microsoft Corporation
Multiple Contributors	react-router-dom 6.13.0	Multiple Contributors
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```
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```
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```

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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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(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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signature of Ty Coon, 1 April 1990
Ty Coon, President of Vice

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```

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 * free.c - display free memory information
 *
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 * Copyright © 2011-2012 Sami Kerola <kerolasa@iki.fi>
 * Copyright © 2004 Albert Cahalan
 * Copyright © 2002-2003 Robert Love <rml@tech9.net>
 * Copyright © 1992 Brian Edmonds and Rafal Maszkowski
 *
 * pgrep/pkill -- utilities to filter the process table
 *
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 * Copyright © 2012 Roberto Polli <rpolti@babel.it>
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 * Copyright © 2000 Kjetil Torgrim Homme <kjetilho@ifi.uio.no>
 *
 * Sysctl - A utility to read and manipulate the sysctl parameters
 *
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 * Copyright © 2012-2023 Jim Warner <james.warner@comcast.net>
 * Copyright © 2017-2018 Werner Fink <werner@suse.de>
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 * Copyright © 2002-2007 Albert Cahalan
 * Copyright © 1999 George Staikos
 *
/* top.c - Source file: show Linux processes */
/*
 * Copyright © 2002-2023 Jim Warner <james.warner@comcast.net
 *
/* top_nls.c - provide the basis for future nls translations */
/*
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 */

/*
 * kill.c - send a signal to process
 *
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 * Copyright © 1998-2002 Albert Cahalan
 *

```

```
* pmap.c - print process memory mapping
*
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* Copyright © 2011-2012 Sami Kerola <kerolasa@iki.fi>
* Copyright © 2002-2009 Albert Cahalan
*
* pwdx.c - print process working directory
*
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*
* skill.c - send a signal to process
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*
* slabtop.c - utility to display kernel slab information.
*
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* Copyright © 2011-2012 Sami Kerola <kerolasa@iki.fi>
* Copyright © 2002-2004 Albert Cahalan
* Copyright © 2003      Chris Rivera <cmrivera@ufl.edu>
* Copyright © 2003      Robert Love <rml@tech9.net>
*
* tload.c      - terminal version of xload
*
* Copyright © 2009-2023 Craig Small <csmall@dropbear.xyz>
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* Copyright © 2011-2012 Sami Kerola <kerolasa@iki.fi>
* Copyright © 1992      Branko Lankester
*
* /proc changes by David Engel (david@ods.com)
* Made a little more efficient by Michael K. Johnson (johnsonm@sunsite.unc.edu)
*
* uptime.c - display system uptime
*
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* Copyright © 2020-2023 Jim Warner <james.warner@comcast.net>
* Copyright © 2011-2012 Sami Kerola <kerolasa@iki.fi>
*
* vmstat - report memory statistics
*
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* Copyright © 1998-2002 Albert Cahalan
* Copyright © 1994      Henry Ware <all172@yfn.ysu.edu>
*
* watch - execute a program repeatedly, displaying output fullscreen
*
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* Copyright © 2011-2012 Sami Kerola <kerolasa@iki.fi>
```

```
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* Copyright © 1999      Mike Coleman <mkc@acm.org>.
*
* w - show what logged in users are doing.
*
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* Copyright © 2002-2006 Albert Cahalan
* Copyright © 1996      Charles Blake
*
* Rewritten, older version:
* Copyright © 1993      Larry Greenfield
*                       with some fixes by Michael K. Johnson.
*
* display.c - display ps output
*
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* Copyright © 2004-2023 Craig Small <csmall@dropbear.xyz>
* Copyright © 2012-2014 Jaromir Capik <jcapik@redhat.com>
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* global.c - generic ps symbols and functions
*
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*
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* output.c - ps output definitions
*
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* Copyright © 2011      Lukas Nykryn <lnykryn@redhat.com>
* Copyright © 1999-2004 Albert Cahalan
*
* parser.c - ps command options parser
*
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* Copyright © 2012-2014 Jaromir Capik <jcapik@redhat.com>
* Copyright © 2011-2012 Sami Kerola <kerolasa@iki.fi>
* Copyright © 1998-2003 Albert Cahalan
*
* select.c - ps process selection
*
* Copyright © 2011-2023 Jim Warner <james.warner@comcast.net>
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* Copyright © 1998-2002 Albert Cahalan
*
* sortformat.c - ps output sorting
*
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* Copyright © 2011-2012 Sami Kerola <kerolasa@iki.fi>
```

```

* Copyright © 1998-2004 Albert Cahalan
*
* stacktrace.c - ps debugging additions
*
* Gnu debugger stack trace code provided by Peter Mattis
* <petm@CSUA.Berkeley.EDU> on Thu, 2 Nov 1995
* Modified for easy use by Albert Cahalan.
*
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* Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
*/

/*
* common.h - shared header file
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*
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*
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*
* top.h - Header file:         show Linux processes
*
* Copyright © 2002-2023 Jim Warner <james.warner@comcast.net>
*
* top_nls.c - provide the basis for future nls translations
*
* Copyright © 2011-2023 Jim Warner <james.warner@comcast.net>
*
* top_nls.h - provide the basis for future nls translations
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*/

```

----- Fourth-party information -----

```
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libproc2
== License Type
LGPL-2.1-or-later
== Copyright Notices
/*
 * devname - device name functions
 *
 * Copyright © 2011-2023 Jim Warner <james.warner@comcast.net>
 * Copyright © 2017-2023 Craig Small <csmall@dropbear.xyz>
 * Copyright © 1998-2009 Albert Cahalan
 *
 * diskstats.c - disk I/O related definitions for libproc2
 *
 * Copyright © 2015-2023 Craig Small <csmall@dropbear.xyz>
 * Copyright © 2015-2023 Jim Warner <james.warner@comcast.net>
 * Copyright © 2003      Albert Cahalan
 * Copyright © 2003      Fabian Frederick
 *
 * escape.c - printing handling
 *
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 * Copyright © 2016-2023 Craig Small <csmall@dropbear.xyz>
 * Copyright © 1998-2005 Albert Cahalan
 *
 * meminfo.c - memory related definitions for libproc2
 *
 * Copyright © 2015-2023 Jim Warner <james.warner@comcast.net>
 * Copyright © 2015-2023 Craig Small <csmall@dropbear.xyz>
 *
 * namespace.c - Library API for Linux namespaces
 *
 * Copyright © 2015-2023 Jim Warner <james.warner@comcast.net>
 * Copyright © 2015-2023 Craig Small <csmall@dropbear.xyz>
 *
 * NUMA node support for <PIDS> & <STAT> interfaces
 *
 * Copyright © 2017-2023 Jim Warner <james.warner@comcast.net>
 *
 * pids.c - process related definitions for libproc2
 *
 * Copyright © 2015-2023 Jim Warner <james.warner@comcast.net>
 * Copyright © 2015-2023 Craig Small <csmall@dropbear.xyz>
 *
 * pwcache.c - memory cache passwd file handling
 *
 * Copyright © 2011-2023 Jim Warner <james.warner@comcast.net>
 * Copyright © 2015-2023 Craig Small <csmall@dropbear.xyz>
 * Copyright © 2002      Albert Cahalan
 *
 * Older version:
 * Copyright © 1992-1998 Michael K. Johnson <johnsonm@redhat.com>
 * Note: most likely none of his code remains
 *
 * readproc - interface to process table
 *
 * Copyright © 2002-2023 Craig Small <csmall@dropbear.xyz>
 * Copyright © 2011-2023 Jim Warner <james.warner@comcast.net>
 * Copyright © 1998-2010 Albert Cahalan
 * Copyright © 2010-2011 Jan Görig <jgorig@redhat.com>
```

```

* Copyright © 1998      Michael K. Johnson
* Copyright © 1996      Charles L. Blake.
*
* slabinfo.c - slab pools related definitions for libproc2
*
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* Copyright © 2015-2023 Craig Small <csmall@dropbear.xyz>
* Copyright © 2004-2006 Albert Cahalan
* Copyright © 2003      Chris Rivera
* Copyright © 2003      Fabian Frederick
*
* stat.c - cpu/numa related definitions for libproc2
*
* Copyright © 2015-2023 Jim Warner <james.warner@comcast.net>
* Copyright © 2015-2023 Craig Small <csmall@dropbear.xyz>
*
* File for parsing top-level /proc entities.
*
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* Copyright © 2011-2023 Craig Small <csmall@dropbear.xyz>
* Copyright © 1998-2008 Albert Cahalan
* Copyright © 1992-1998 Michael K. Johnson <johnsonm@redhat.com>
*
* uptime - uptime related functions - part of libproc2
*
* Copyright © 2015-2023 Craig Small <csmall@dropbear.xyz>
* Copyright © 2015-2023 Jim Warner <james.warner@comcast.net>
* Copyright © 1998-2003 Albert Cahalan
* Copyright © 1992-1998 Michael K. Johnson <johnsonm@redhat.com>
* Copyright © 1993      J. Cowley
* Copyright © ???      Larry Greenfield <greenfie@gauss.rutgers.edu>
*
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*
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* Copyright © 2011-2012 Sami Kerola <kerolasa@iki.fi>
* Copyright © 2002-2003 Albert Cahalan
* Copyright © 1996      Charles Blake <cblake@bbn.com>
* Copyright © 1995      Martin Schulze <joe@infodrom.north.de>
*
* wchan.c - kernel symbol handling
*
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*/

```

```
----- (separator) -----
== NAME OF DEPENDENCY 2
c.h
== License Type
Public Domain
== Copyright Notices
/*
 * This header was copied from util-linux at fall 2011.
 */

/*
 * Fundamental C definitions.
 */

/*
 * Fundamental C definitions.
 *
 * No copyright is claimed. This code is in the public domain; do with
 * it what you wish.
 */
----- (separator) -----
== NAME OF DEPENDENCY 3
fileutils.c
== NAME OF DEPENDENCY 4
fileutils.h
== License Type
GPL-2.0
== Copyright Notices

----- (separator) -----
== NAME OF DEPENDENCY 5
nls.h
== License Type
Public Domain
== Copyright Notices
/*
 * This header was copied from util-linux at fall 2011.
 */

/*
 * No copyright is claimed. This code is in the public domain; do with
 * it what you wish.
 */
----- (separator) -----
== NAME OF DEPENDENCY 6
procio.c
procio.h
== License Type
LGPL-2.1+
== Copyright Notices
/*
 * procio.c -- Replace stdio for read and write on files below
 * proc to be able to read and write large buffers as well.
 *
 * Copyright (C) 2017 Werner Fink
 *
 * This library is free software; you can redistribute it and/or
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```

```

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*/

----- (separator) -----
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rpmatch.h
== License Type
== Copyright Notices
----- (separator) -----
== NAME OF DEPENDENCY 8
signals.c
== License Type
LGPL-2.1+
== Copyright Notices
/*
* signals.c - signal name, and number, conversions
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*/

----- (separator) -----
== NAME OF DEPENDENCY 9
signals.h
== License Type
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== Copyright Notices
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*/

----- (separator) -----
== NAME OF DEPENDENCY 10

```



```

strutils.c
== License Type
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== Copyright Notices
/*
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 * This file was copied from util-linux at fall 2011.
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 */

```

----- (separator) -----

```

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strutils.h
== License Type
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/*
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```

----- (separator) -----

```

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strverscmp.c
== License Type
LGPL-2.1+
== Copyright Notices
/* Compare strings while treating digits characters numerically.
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----- (separator) -----
== NAME OF DEPENDENCY 13
xalloc.h
== License Type
LGPL-2.1+
== Copyright Notices
/*
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 */

/*
 * General memory allocation wrappers for malloc, realloc, calloc
 * and strdup.
 */

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 *
 * General memory allocation wrappers for malloc, realloc, calloc and strdup
 */
----- (separator) -----
```

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```
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  glom
    attrs
    boltons
    face
    boltons
  requests
  certifi
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certifi

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

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

certdata.txt?raw=1#

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

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ch.randelshofer:fastdoubleparser

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# FastDoubleParser

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

```

This project provides parsers for double, float, BigDecimal and BigInteger values.

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greenlet==1.1.2
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Bundle

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Name: LAPACK

Files: .libs/libopenb*.so

Description: bundled in OpenBLAS

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

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dragon4

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

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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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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 zigurat methods were derived from Julia.

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Nathan Voxland

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## Source Code
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* https://github.com/eclipse-ee4j/servlet-api
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Files: extra-dll\libopenb*.dll

Description: bundled in OpenBLAS

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

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

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

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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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- * Tatu Saloranta
- * Providing benchmark suite
- * Alec Wysoker
- * Performance and memory usage improvement

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com.fasterxml.jackson.core:jackson-annotations:jar:2.12.3:runtime
com.fasterxml.jackson.core:jackson-databind:jar:2.12.3:runtime
com.fasterxml.jackson.core:jackson-core:jar:2.12.3:runtime

dependencies 1

1. org.apache.kafka.kafka-clients

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2. zstd-jni:jar

Zstd-jni: JNI bindings to Zstd Library

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jackson-databind:jar:2.13.2.2
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Spring Cloud Stream

spring-cloud-stream

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```

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Logback LICENSE
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- jsp_2_2.xsd
- web-app_3_0.xsd
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Spring-cloud-starter

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jakarta.annotation:jakarta.annotation-api

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jakarta.annotation:jakarta.annotation-api

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org.springframework.boot	spring-boot-starter
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org.apache.logging.log4j    log4j-to-slf4j
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Other developers who have contributed code are:

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----- (separator) -----

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logback:logback-core
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## Source Code

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

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- javaee_5.xsd
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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
- 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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may be obtained from:

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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)

Other developers who have contributed code are:

```
* Brian Langel
```

spring-boot-starter-data-redis

```
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Top Level component - spring-boot-starter-data-redis
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Fourth party dependencies

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org.springframework.boot:spring-boot-starter-data-redis
org.springframework.boot:spring-boot-starter
org.springframework.boot:spring-boot
org.springframework:spring-context
org.springframework:spring-expression
org.springframework.boot:spring-boot-autoconfigure
org.springframework.boot:spring-boot-starter-logging
ch.qos.logback:logback-classic
ch.qos.logback:logback-core
org.apache.logging.log4j
org.slf4j:jul-to-slf4j
jakarta.annotation:jakarta.annotation-api
org.yaml:snakeyaml
org.springframework.data:spring-data-redis
org.springframework.data:spring-data-keyvalue
org.springframework.data:spring-data-commons
org.springframework:spring-tx
org.springframework:spring-beans
org.springframework:spring-oxm
org.springframework:spring-aop
org.springframework:spring-context-support
org.slf4j:slf4j-api
io.lettuce:lettuce-core
io.netty:netty-common
io.netty:netty-handler
io.netty:netty-resolver
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io.netty:netty-buffer
io.netty:netty-transport-native-unix-common
io.netty:netty-codec
io.netty:netty-transport
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ch.qos.logback:logback-classic

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[1],[2]

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ch.qos.logback:logback-core

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org.apache.logging.log4j

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jakarta.annotation:jakarta.annotation-api

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org.springframework:spring-tx

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io.lettuce:lettuce-core

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 org.springframework:spring-context
 org.springframework:spring-context-support
 org.springframework:spring-beans:jar
 org.springframework:spring-aop
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 org.springframework:spring-tx
 ch.qos.logback:logback-classic
 ch.qos.logback:logback-core
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 org.apache.logging.log4j:log4j-to-slf4j
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 org.yaml:snakeyaml

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org.springframework:spring-core
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com.fasterxml.jackson.core	jackson-databind
com.fasterxml.jackson.datatype	jackson-datatype-jdk8
com.fasterxml.jackson.datatype	jackson-datatype-jsr310
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micrometer-common

Micrometer

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

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org.springframework:spring-aop
== NAME OF DEPENDENCY 10
org.springframework:spring-expression
== NAME OF DEPENDENCY 11
org.springframework:spring-webflux
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```

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Fourth-Party Dependencies

com.fasterxml.jackson.core jackson-core

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ch.randelshofer:fastdoubleparser

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

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== NAME OF DEPENDENCY 25
io.projectreactor.netty:reactor-netty-core
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io.netty:netty-codec-http
== NAME OF DEPENDENCY 27
io.netty:netty-common
== NAME OF DEPENDENCY 28
io.netty:netty-buffer
== NAME OF DEPENDENCY 29
io.netty:netty-transport
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io.netty:netty-codec
== NAME OF DEPENDENCY 31
io.netty:netty-handler
== NAME OF DEPENDENCY 32
io.netty:netty-codec-http2
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io.netty:netty-resolver-dns
== NAME OF DEPENDENCY 34
io.netty:netty-resolver
== NAME OF DEPENDENCY 35
io.netty:netty-codec-dns
== NAME OF DEPENDENCY 36
io.netty:netty-resolver-dns-native-macos:osx-x86_64
== NAME OF DEPENDENCY 37
io.netty:netty-resolver-dns-classes-macos
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io.netty:netty-transport-native-epoll:linux-x86_64
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  * HOMEPAGE:
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  dnsinfo.h
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 */
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```
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  * https://github.com/hyperxpro/Brotli4j
```

```
----- (separator)-----
== NAME OF DEPENDENCY 43
io.micrometer:micrometer-observation
== NAME OF DEPENDENCY 44
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 io.projectreactor:reactor-core
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org.reactivestreams:reactive-streams
== License Type

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== NAME OF DEPENDENCY 48
org.slf4j:jul-to-slf4j
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ch.qos.logback:logback-classic

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org.apache.logging.log4j:log4j-to-slf4j
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org.apache.logging.log4j:log4j-api
== License Type
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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

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redis/src/lzf_d.c
redis/src/lzf.h
redis/src/lzfP.h

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```

Jemalloc
hiredis
linenoise
lua
hdr_histogram
fpconv

```

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hdr_histogram

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Name: SFC64

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

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

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Name: PCG64

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PCG Random Number Generation for C.

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Name: MT19937

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

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

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

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Name: Julia

The ziggurat methods were derived from Julia.

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Name: Random

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Components

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Name: nympy.core.ma

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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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Name: HiGHS

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Name: Biasedurn
License 3-Clause BSD

----- 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

Name: UNU.RAN
License 3-Clause BSD

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
- unuran-1.8.1/doc/figures/discrete_inversion.eps
- unuran-1.8.1/doc/figures/discrete_inversion.pdf
- unuran-1.8.1/doc/figures/discrete_inversion.png
- unuran-1.8.1/doc/figures/discrete_inversion.txt
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- unuran-1.8.1/doc/figures/inversion.txt
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- unuran-1.8.1/doc/figures/rejection_from_constant_hat.txt
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- unuran-1.8.1/doc/figures/rou-cauchy.txt
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- unuran-1.8.1/doc/src/Makefile.in
- unuran-1.8.1/doc/src/README
- unuran-1.8.1/doc/src/argv.dh
- unuran-1.8.1/doc/src/error_debug.dh
- unuran-1.8.1/doc/src/examples.dh
- unuran-1.8.1/doc/src/glossary.dh

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unuran-1.8.1/doc/src/methods_discr.texi
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unuran-1.8.1/doc/src/methods_mcmc.texi
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unuran-1.8.1/doc/unuran_win32.texi
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unuran-1.8.1/doc/version.texi
unuran-1.8.1/doc/version_win32.texi
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unuran-1.8.1/examples/Makefile.in
unuran-1.8.1/examples/example0.c

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unuran-1.8.1/examples/example3.c
unuran-1.8.1/examples/example3_str.c
unuran-1.8.1/examples/example_FuncStr.c
unuran-1.8.1/examples/example_anti.c
unuran-1.8.1/examples/example_anti_str.c
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unuran-1.8.1/examples/example_cont_str.c
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unuran-1.8.1/scripts/make_urng_header.pl
unuran-1.8.1/scripts/merge_h.pl
unuran-1.8.1/scripts/read_PDF.pl
unuran-1.8.1/scripts/remove_comments.pl
unuran-1.8.1/scripts/run_valgrind.sh
unuran-1.8.1/scripts/win32/Makefile.win32
unuran-1.8.1/scripts/win32/build.sh
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unuran-1.8.1/tests/test_StdDistr.m
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unuran-1.8.1/tests/test_functionparser.m
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unuran-1.8.1/tests/testunuran.h
unuran-1.8.1/src/distr/deprecated_distr.c
unuran-1.8.1/src/distr/deprecated_distr.h
unuran-1.8.1/src/methods/deprecated_methods.c
unuran-1.8.1/src/methods/deprecated_methods.h
unuran-1.8.1/src/methods/deprecated_tdrwg.h
unuran-1.8.1/src/methods/deprecated_vmt.c
unuran-1.8.1/src/methods/deprecated_vmt.h
unuran-1.8.1/src/methods/deprecated_vmt_struct.h
unuran-1.8.1/src/parser/stringparser_lists.ch.in

```

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

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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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- 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
unuran-1.8.1/doc/figures/discrete_inversion.eps
unuran-1.8.1/doc/figures/discrete_inversion.pdf
unuran-1.8.1/doc/figures/discrete_inversion.png
unuran-1.8.1/doc/figures/discrete_inversion.txt
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unuran-1.8.1/doc/src/methods_discr.texi
unuran-1.8.1/doc/src/methods_matr.texi
unuran-1.8.1/doc/src/methods_mcmc.texi
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unuran-1.8.1/doc/src/ref_example0_str.texi
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unuran-1.8.1/doc/src/ref_example3.texi
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unuran-1.8.1/tests/t_utdr.c

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unuran-1.8.1/tests/t_util_matrix.conf
unuran-1.8.1/tests/t_vempk.c
unuran-1.8.1/tests/t_vempk.conf
unuran-1.8.1/tests/t_vnrou.c
unuran-1.8.1/tests/t_vnrou.conf
unuran-1.8.1/tests/t_x_gen.c
unuran-1.8.1/tests/t_x_gen.conf
unuran-1.8.1/tests/test_StdDistr.c
unuran-1.8.1/tests/test_StdDistr.m
unuran-1.8.1/tests/test_functionparser.c
unuran-1.8.1/tests/test_functionparser.m
unuran-1.8.1/tests/testcounter.c
unuran-1.8.1/tests/testdistributions/Makefile.am
unuran-1.8.1/tests/testdistributions/Makefile.in
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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
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unuran-1.8.1/tests/testdistributions/vc_cauchy_RoU_ball.c
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unuran-1.8.1/src/distr/deprecated_distr.c
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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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org.springdoc:springdoc-openapi-common
org.springframework.boot:spring-boot-autoconfigure
org.springframework.boot:spring-boot
org.springframework:spring-web
io.swagger.core.v3:swagger-core
jakarta.xml.bind:jakarta.xml.bind-api
jakarta.activation:jakarta.activation-api
org.apache.commons:commons-lang3
com.fasterxml.jackson.core:jackson-annotations
```

```

com.fasterxml.jackson.core:jackson-databind
com.fasterxml.jackson.dataformat:jackson-dataformat-yaml
com.fasterxml.jackson.datatype:jackson-datatype-jsr310
io.swagger.core.v3:swagger-annotations
org.yaml:snakeyaml
io.swagger.core.v3:swagger-models
jakarta.validation:jakarta.validation-api
org.springframework:spring-webmvc
org.springframework:spring-aop
org.springframework:spring-beans
org.springframework:spring-context
org.springframework:spring-core
org.springframework:spring-jcl
org.springframework:spring-expression
org.webjars:swagger-ui
org.webjars:webjars-locator-core
org.slf4j:slf4j-api:jar
com.fasterxml.jackson.core:jackson-core
io.github.classgraph:classgraph

```

```

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org.springdoc:springdoc-openapi-webmvc-core
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jakarta.validation:jakarta.validation-api

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 org.springframework:spring-webmvc

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org.slf4j:slf4j-api

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com.fasterxml.jackson.core:jackson-core
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Files: extra-dll\libopenb*.dll

Description: bundled in OpenBLAS

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

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dragon4

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

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

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

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

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Name: Julia

The ziggurat methods were derived from Julia.

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

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

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

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1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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AD

Jonathan Halterman

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org.springframework:spring-core
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org.springframework:spring-jcl
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org.springframework:spring-context
== NAME OF DEPENDENCY 5
org.springframework:spring-aop
== NAME OF DEPENDENCY 6
org.springframework:spring-beans
== NAME OF DEPENDENCY 7
org.springframework:spring-expression
== NAME OF DEPENDENCY 8
org.springframework:spring-messaging
== NAME OF DEPENDENCY 9
org.springframework.boot:spring-boot-starter-validation
== NAME OF DEPENDENCY 10
org.springframework.boot:spring-boot-starter
== NAME OF DEPENDENCY 11
org.springframework.boot:spring-boot-starter-logging
== NAME OF DEPENDENCY 12
org.springframework.boot:spring-boot-actuator-autoconfigure
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org.springframework.boot:spring-boot-actuator
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org.reactivestreams:reactive-streams
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org.yaml:snakeyaml
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== NAME OF DEPENDENCY 26
org.apache.tomcat.embed:tomcat-embed-el
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org.apache.tomcat.util.json.JSONParser.jj is a public domain javacc grammar
for JSON written by Robert Fischer.
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The original XML Schemas for Java EE Deployment Descriptors:

- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
- web-fragment_4_0.xsd

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

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== NAME OF DEPENDENCY 27  
org.hibernate.validator:hibernate-validator  
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util/TypeHelper.java and engine/src/test/java/org/hibernate/validator/test/internal/
util/TypeHelperTest.java

```

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// code originates from TypeUtils.java in jtype (http://code.google.com/p/jtype/) and
has been modified to suite
// the HV requirements and code style
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jakarta.validation:jakarta.validation-api
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javax.inject:javax.inject
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com.fasterxml.jackson.core:jackson-databind
== NAME OF DEPENDENCY 33
com.fasterxml.jackson.core:jackson-annotations
== NAME OF DEPENDENCY 34
com.fasterxml.jackson.core:jackson-core
== NAME OF DEPENDENCY 35
com.fasterxml.jackson.datatype:jackson-datatype-jsr310
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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
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- web-fragment_4_0.xsd

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Normalize.scss

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RequireJS i18n

<http://github.com/requirejs/i18n> for details

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select2.js

<https://github.com/select2/select2>

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RequireJS text

<http://github.com/requirejs/text>

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

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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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Name: Julia

The zigurat methods were derived from Julia.

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* org.apache.tomcat:tomcat-jsp-api
* org.apache.tomcat:tomcat-el-api
* org.apache.tomcat:tomcat-jasper-el
* org.apache.tomcat:tomcat-api
* org.apache.tomcat:tomcat-util-scan
* org.apache.tomcat:tomcat-util
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org.eclipse.jetty:jetty-alpn-client
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@codemirror/lint
@codemirror/search
@codemirror/state
@codemirror/view
@forevolve/bootstrap-dark
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@lezer/common
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@lezer/lr
@nexucis/fuzzy
@nexucis/kvsearch
@types/http-proxy
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github.com/asaskevich/govalidator
github.com/beorn7/perks
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github.com/felixge/httpsnoop
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gud
has-property-descriptors
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has
history
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is-binary-path
is-date-object
is-extglob
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js-tokens
lodash
loose-envify
micromatch
mini-create-react-context
moment-timezone4
moment
nanoid
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object-assign
object-is
object-keys
parse-srcset
path-to-regexp
picomatch
popper.js
postcss4
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react-router
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AN

Spring Framework

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Spring Modules
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spring-aspects
spring-beans
spring-context
spring-context-indexer
spring-expression
spring-jcl
spring-jdbc
spring-jms
spring-messaging
spring-oxm
spring-tx
spring-web
spring-webmvc
    spring-aop
    spring-context-support
    spring-orm
    spring-instrument
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```
org.springframework.security:spring-security-core:jar:5.6.3:compile
org.springframework.security:spring-security-crypto:jar:5.6.3:compile
org.springframework:spring-expression:jar:5.3.19:compile
org.springframework:spring-aop:jar:5.3.19:compile
org.springframework:spring-beans:jar:5.3.19:compile
org.springframework:spring-context:jar:5.3.19:compile
org.springframework:spring-core:jar:5.3.19:compile
org.springframework:spring-jcl:jar:5.3.19:compile
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-----seperator -----

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