

Open Source Documentation

FEZ1000 and FEZ0005

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1 List of used Open Source Components

1.1 Notes on Open Source software

The TCS device uses Open Source software that has been released under specific licensing requirements such as the "General Public License" (GPL) Version 2 or 3, the "Lesser General Public License" (LGPL), the "Apache License" or similar licenses. Any accompanying material such as instruction manuals, handbooks etc. contain copyright notes, conditions of use or licensing requirements that contradict any

applicable Open Source license, these conditions are inapplicable. The use and distribution of any Open Source software used in the product is exclusively governed by the respective Open Source license. The programmers provided their software without ANY WARRANTY, whether implied or expressed, of any fitness for a particular purpose. Further, the programmers DECLINE ALL LIABILITY for damages, direct or indirect, that result from the using this software. This disclaimer does not affect the responsibility of TCS.

1.2 AVAILABILITY OF SOURCE CODE:

Where the applicable license entitles you to the source code of such software and/or other additional data, you may obtain it for a period of three years after purchasing this product, and, if required by the license conditions, for as long as we offer customer support for the device. If this document is available at the website of TCS and TCS offers a download of the firmware, the offer to receive the source code is valid for a period of three years and, if required by the license conditions, for as long as TCS offers customer support for the device. TCS provides an option for obtaining the source code: You may obtain any version of the source code that has been distributed by TCS for the cost of reproduction of the physical copy. Please send your request directly to: TCS AG Keyword: Open Source E-mail: hotline@tcsag.de Please send us the name, model number and software version, as stated in the menu / web interface under "Service" of the device, for which you want to obtain the corresponding source code. We will send you the most recent version of the source code, unless you need a particular version number. In this case, we will send you the corresponding version. There will be NO WARRANTY on the distributed source code. Further, the source code will be licensed under the same license as the corresponding binary/object code. This offer is valid to anyone. TCS is eager to comply with all requirements set by various Free or Open Source software licenses

1.3 Components

Component Name	License	Version	Copyright notice / remarks	Comment
alsa-lib	GPLv2.1+	1.0.25	Project: https://alsa-project.org/ Advanced Linux Sound Architecture (ALSA) project	ALSA library
alsa-utils	GPLv2.0+ and GPLv2	1.0.25	Project: https://alsa-project.org/ Advanced Linux Sound Architecture (ALSA) project 1998-2022 Jarsolav Kysela perex@suse.cz and others 1998-1999 Wichert Akkerman 1999-2002 Masato Taruishi 2002-2022 Debian ALSA Maintainers	ALSA library
adduser	GPLv2.0	3.113	Project: https://www.debian.org/ 1994 Debian Association, Inc. 1995 Sven Rudolph sr1@inf.tu-dresden.de 1995 Ian Murdock imurdock@debian.org 1995 Ted Hajek tedhajek@boombox.micro.umn.edu 1996 Steve Phillips sjp@cvfn.org 1996-1999 Guy Maor maor@debian.org 2000-2004 Roland Bauerschmidt rb@debian.org 2005-2009 Joerg Hoh joerg@joerghoh.de 2006-2011 Stephen Gran sgran@debian.org 2001-2016 John Zaitseff 2004-2022 Marc Haber mh+debian-packages@zugschlus.de 2021-2022 Jason Franklin jason@oneway.dev 2022 Matt Barry matt@hazelmollusk.org	Add and remove users and groups
bash	GPLv3.0+	4.4.18	Project: https://www.gnu.org/software/bash/bash.html 1996-2023 Free Software Foundation, Inc.	The GNU Bourne Again shell

Component Name	License	Version	Copyright notice / remarks	Comment
base-passwd	GPLv2.0 and Public-Domain	3.5.3	Project: https://www.debian.org/ 1999-2002 Wichert Akkerman wichert@deephackmode.org 2002-2004 Colin Watson cjwatson@debian.org Ian Murdock imurdock@debian.org 2001-2002 Joey Hess 2007 David Mandelberg	Debian base system master password and group files
bzip2	bzip2-1.0.6	1.0.6	Project: https://sourceware.org/bzip2/ 1996-2010 Julian R Seward jseward@bzip.org 2018 Nicolas Boulenguez nicolas.boulenguez@free.fr 2012-2015 Santiago Ruano Rincón santiago@debian.org 2014 Canonical Ltd. 2004-2011 Anibal Monsalve Salazar anibal@debian.org 1999-2002 Philippe Troin phil@fifi.org 1997-1999 Anthony Fok foka@debian.org	A high-quality data compression program
curl	curl license (MIT/X derivate)	7.61.0	Project : https://curl.se/ 1997-2022, Daniel Stenberg, daniel@haxx.se , et al.	URL retrieval utility and library
cpufrequtils	GPLv2.0	008	Project: https://www.kernel.org/pub/linux/utils/kernel/cpufreq/ 2004-2006, Dominik Brodowski linux@dominikbrodowski.de	Userspace tools for the kernel cpufreq subsystem
cpio	GPLv3.0+	2.11	Project: https://www.gnu.org/software/cpio Free Software Foundation, Inc.	Tool to copy files into or out of a cpio or tar archive
coreutils	GPLv3.0+	8.13	Project: https://www.gnu.org/software/coreutils/ Free Software Foundation, Inc. 1989, 1990, 1993, 1994 The Regents of the University of California. All rights reserved. 1997, 1998, 1999 Colin Plumb. 1996-1999 by Internet Software Consortium. 1984 David M. Ihnat 1994, 1995, 1997, 1998, 1999, 2000 H. Peter Anvin	The basic file, shell and text manipulation utilities
debianutils	GPLv2.0 and public-domain and SMAIL-GPL	4.3.2	Project: https://www.debian.org/ 1995 - 1998, Ian A. Murdock imurdock@debian.org 1998, 1999, Guy Maor 2002, Matthew Wilcox 2002, 2004, 2005, 2007, 2009 Clint Adams 2009 Manoj Srivasta 2011 Aurelien Jarno aurel32@debian.org 2015 Andreas Henriksson andreas@fatal.se 1994 Ian Jackson. 1996 Jeff Noxon jeff@router.patch.net 1996-1999 Guy Maor maor@debian.org 2002-2020 Clint Adams 2021 Helmut Grohne helmut@subdivi.de 1988 Landon Curt Noll & Ronald S. Karr 1992 Ronald S. Karr 1988 Landon Curt Noll & Ronald S. Karr	Miscellaneous utilities specific to Debian

Component Name	License	Version	Copyright notice / remarks	Comment
ethtool	GPLv2.0	3.4.2	Project: https://mirrors.edge.kernel.org/pub/software/network/ethtool/ 1998, David S. Miller (davem@dm.cobaltmicro.com) 2001, Jeff Garzik jgarzik@mandrakesoft.com 2009-2013, Solarflare Communications 2013-2016, Ben Hutchings ben@decadent.org.uk 2016-2020, John W. Linville linville@tuxdriver.com 2003, Advanced Micro Devices Inc. 2022, Linutronix GmbH 2001, Sun Microsystems (thockin@sun.com) 2018-2019, Vivien Didelot vivien.didelot@gmail.com 2002, 2006, 2007, 2013, Intel Corporation 2012, 2013, Mark Einon 2022, NXP 2007, 2009, Free Software Foundation, Inc. 2004, Intracom S.A. 2016, Fujitsu 2004, 2005 Zultys Technologies 2015, IBM Corporation 2018, Microchip Technology 2004, 2006, Stephen Hemminger shemminger@osdl.org 2012, Aurelien Guillaume aurelien@iwi.me 2014, Cumulus networks Inc. 2007, SMSC 2007-2009, STMicroelectronics Ltd 2005, 2011, Broadcom, 2014, Altera Corporation 2006, Fabric7 Systems, Inc 2015, VMware Inc. 2001-2005, Eric Delaunay delauday@debian.org 2006-2010, Anibal Monsalve Salazar anibal@debian.org 2022, Salvatore Bonaccorso carnil@debian.org	Utility for controlling network drivers and hardware

Component Name	License	Version	Copyright notice / remarks	Comment
findutils	GPLv2.0+ and LGPLv2+ and Public- Domain lan Murdock (before 1996) 1996-2001 Kevin Dalley 2002 Thomas Schoepf 2003-2023 Andreas Metzler	4.4.2	Project: https://www.gnu.org/software/findutils/ Free Software Foundation, Inc. 1994, X Consortium Noah Friedman friedman@prep.ai.mit.edu D A Gwyn	GNU utilities for finding files
gdb	GPLv3.0+ and LGPLv2.0+	7.4.1	Project: https://www.gnu.org/software/gdb/ Free Software Foundation, Inc 2011-2014, Héctor Orón Martínez 2013-2014, Samuel Bronson 2002-2010, Daniel Jacobowitz 2023, Matthias Klose 1994, 2000 Advanced RISC Machines Ltd 1995, Jiri Gaisler 1983, 1990, Regents of the University of California 1987, 1993-2002 Oliver Laumann 2001, Dimitris Vyzovitis [vyzo@media.mit.edu] 2004, 1999 Per Bothner	The GNU Debugger
glib	LGPLv2.1+	3.4.22	Project: https://developer.gnome.org/glib/ The GNOME Project et al. 1997-2024, The GTK Team. All Rights Reserved	Common C routines used by Gtk+ and other libs

Component Name	License	Version	Copyright notice / remarks	Comment
glibc	GPLv2.0	2.24	<p>Project: https://www.gnu.org/software/libc/ 1991-2015 Free Software Foundation, Inc. 1991 Regents of the University of California. 1993 by Digital Equipment Corporation. 1996-1999 by Internet Software Consortium. 2010, Oracle America, Inc. 1991,1990,1989 Carnegie Mellon University 2000, Intel Corporation 1992 Eric Young 2002, 2003, 2004, 2011 Simon Josefsson 1999, 2000 Tom Tromej 2000 Red Hat, Inc. The Internet Society (2003). All Rights Reserved. 1998 WIDE Project. 1995 by Tom Lord 1992, 1993, 1994, 1997 Henry Spencer 1997-2003 University of Cambridge 1993 by Sun Microsystems, Inc. All rights reserved. C E Chew 2001 by Stephen L. Moshier moshier@na-net.ornl.gov Ulrich Drepper</p>	GNU C Library
gststreamer	LGPLv2.0+	1.10.4	<p>Project: https://gststreamer.freedesktop.org 2005, Tim-Philipp Müller 1999 Erik Walthinsen omega@cse.ogi.edu 2003, Ronald Bultje rbultje@ronald.bitfreak.net Sebastian Dröge sebastian.droege@collabora.co.uk Wim Taymans wim@fluendo.com 1999, Erik Walthinsen omega@cse.ogi.edu 2003-2004, Mark Borgerding Thomas Vander Stichele thomas@apestaart.org Edward Hervey edward.hervey@collabora.co.uk 2005, Julien Moutte julien@moutte.net Nokia Corporation 2003, Leif Johnson leif@ambient.2y.net 2003, 2004, Benjamin Otte in7y118@public.uni-hamburg.de 2007, Rene Stadler mail@renestadler.de 2010, 2011, Thiago Santos thiago.sousa.santos@collabora.co.uk 2005-2012, David A. Schleef ds@schleef.org 2003, 2004, Jean-Marc Valin Collabora Ltd 2010, 2011, Mark Nauwelaerts mark.nauwelaerts@collabora.co.uk 2005, 2011, Stefan Kost ensonice@users.sf.net 2006, Daniel Berrange 2001, Thomas Nyberg thomas@codefactory.se 2003, Julien Moutte julien@moutte.net Philippe Khalaf</p>	GStreamer streaming media framework

Component Name	License	Version	Copyright notice / remarks	Comment
			2010, Alexander Bokovoy ab@samba.org 2010, Arun Raghavan arun.raghavan@collabora.co.uk 2009, Igalia S.L. Mark Nauwelaerts mark.nauwelaerts@collabora.co.uk 2006, Kamil Pawlowski 2006, Ryan Lortie 2005, Analog Devices 2003, Commonwealth Scientific and Industrial Research 2008, Thorvald Natvig Zeeshan Ali zeeshan.ali@nokia.com Young-Ho Cha ganadist@gmail.com 2001, Hewlett-Packard Development Company, L.P. 2006, James Livingston doclivingston@gmail.com 2011, Vincent Penquer'h vincent.penquerch@collabora.co.uk 2009, Axis Communications AB, LUND, SWEDEN 2010, Brandon Lewis brandon.lewis@collabora.co.uk 2006, Christophe Fergeau teuf@gnome.org 2009, Pioneers of the Inevitable songbird@songbirdnest.com 2010, Collabora Multimedia Free Software Foundation, Inc 2002-2003, Scott Wheeler wheeler@kde.org 2009, Maemo Multimedia 2005, Michael Smith msmith@fluendo.com 2005, Ross Burton ross@burtonini.com 2011, Stefan Sauer ensonic@users.sf.net	
grep	GPLv3.0+	2.12	Project: https://www.gnu.org/software/grep/grep.html Free Software Foundation, Inc. 2004, Stepan Kasal kasal@ucw.cz 2007, Tony Abou-Assaleh taa@acm.org 2009-2012, Jim Meyering jim@meyering.net 2009-2012, Paolo Bonzini bonzini@gnu.org 2005-2013 Anibal Monsalve Salazar anibal@debian.org Santiago Ruano Rincón santiago@debian.org 2003-2004 Ryan M. Golbeck rmgolbeck@debian.org 2003, Jeff Bailey jbailey@nisa.net 2003, Clint Adams schizo@debian.org 2001 Robert van der Meulen 1996-2000 Wichert Akkerman	Searches input files for lines containing a match
gzip	GPLv3.0+	1.5	Project: https://www.gnu.org/software/gzip/ Free Software Foundation, Inc. 1992-1993 Jean-loup Gailly and Mark Adler 1995-2017 Bdale Garbee bdale@gag.com 1992-1993 Jean-loup Gailly	GNU file compression utilities

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htop	GPLv2.0+	1.0.1	Project: https://htop.dev/ 2004-2019 Hisham Muhammad 2020-2023 htop dev team 2016-2023 Daniel Lange 2018-2021 Graham Inggs 2008-2016 Eugene V. Lyubimkin 2004-2008 Bartosz Fenski	Interactive process viewer
hostname	GPLv2.0	3.11	2009 Michael Meskes meskes@debian.org 2004-2005 Graham Wilson graham@debian.org 1997 Bernd Eckenfels 1997 Peter Tobias tobias@et-inf.fho-empden.de 1996 Free Software Foundation, Inc.	Utility to set/show host name or domain name
ifupdown	GPLv2.0+	0.7.8	1999-2009 Anthony Towns 2010-2015 Andrew Shadura 2015 Guus Sliepen 2020-2022 Josué Ortega, Santiago Ruano Rincón	High level tools to configure network interfaces
iputils	BSD-3 and GPLv2.0+ and MIT	20101006- 1+b2	Project: https://github.com/iputils/iputils/ 1989 The Regents of the University of California. 2021 Petr Vorel pvorel@suse.cz Alexey Kuznetsov, kuznet@ms2.inr.ac.ru Colin Plumb	IP Configuration Utilities (and Ping)
dhclient	MPL-2.0	4.2.2	Project: https://www.isc.org/ 2004-2022 by Internet Systems Consortium, Inc. ("ISC") 1995-2003 by Internet Software Consortium 2008-2013 Andrew Pollock apollock@debian.org 2011-2018 Michael Gilbert mgilbert@debian.org 2022 Santiagi Ruano Rincón santiago@debian.org 2008 Christian Hammers ch@westend.com	ISC DHCP client
jq	MIT	1.5	Project: https://jqlang.github.io/jq/ 2012 Stephen Dolan mu@netsoc.tcd.ie 1991, 2000, 2001 by Lucent Technologies 1991, 1996 by Lucent Technologies 2012 Simon Elsbrock simon@iodev.org	A lightweight and flexible command-line JSON processor

Component Name	License	Version	Copyright notice / remarks	Comment
libarchive	BSD-2 and BSD-3 and Public Domain	3.3.2	Project: https://libarchive.org/	
			2003-2018 Tim Kientzle	
			2011-2014 Mike Kazantsev	
			2012, 2014 Michihiro NAKAJIMA	
			2014 Sebastian Freundt	
			2009 Andreas Henriksson andreas@fatal.se	
			2011 Andres Mejia	
			Anselm Strauss	
			Graham Percival	
			2007-2010 Joerg Sonnenberger	
			2007 Kai Wang	
			2014 Kevin Locke	
			2013 Konrad Kleine	
			2013 Marek Kubica	
			2003-2008 Miklos Vajna	
			2010 Nokia Corporation and/or its subsidiary(-ies).	
			Jonas Gastal jgastal@profusion.mobi	
			2015 Okhotnikov Kirill	
			2012 Ondrej Holy	
			2006 Rudolf Marek SYSGO s.r.o.	
			1998, 2001 The NetBSD Foundation, Inc.	
			2002 Thomas Moestl tmm@FreeBSD.org	
			2012-2014 Yann Collet	
			2014 Trevor Drake	
			2019-2021 Martin Matuska	
			1990, 1993 The Regents of the University of California	
			2008 Jaakko Heinonen	
			1996-2008, PostgreSQL Global Development Group	
			2003 Peter Stuge stuge-mdoc2man@cdy.org	
			2012, Samuel Neves sneves@dei.uc.pt	
			PD - Igor Pavlov	
			1996 David Mazieres dm@uun.org	
Damien Miller djm@openbsd.org				
2018 Grzegorz Antoniak (http://antoniak.org)				
2003-2007 Kees Zeelenberg				
2021 Samanta Navarro				
2003-2021 Wei-Cheng Pan				
2019 Mike Frysinger				
2016 IBM Corporation				
2021 Red Hat, Inc.				
2021 Jia Cheong Tan				
2000-2002, 2007, 2010 Todd C. Miller				
Todd.Miller@courtesan.com				
2021 Ryan Libby				
2005-2010 John Goerzen jgoerzen@complete.org				

Library that can create and read several streaming archive formats

Component Name	License	Version	Copyright notice / remarks	Comment
libacl	GPLv2.0+ and LGPLv2.1+	2.2.51	Project: https://savannah.nongnu.org/projects/acl 2000-2008 Silicon Graphics, Inc. 1999-2001,2007-2009 Andreas Gruenbacher	Dynamic library for access control list support
libattr	GPLv2.0+ and LGPLv2.1+	2.4.46	Project: https://savannah.nongnu.org/projects/attr 2000-2007 Silicon Graphics, Inc. 2001-2003,2006-2007,2009 Andreas Gruenbacher	Utilities for managing filesystem extended attributes

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libbsd	BSD-3	0.4.2	<p>Project: https://libbsd.freedesktop.org/</p> <p>2004-2006, 2008-2022 Guillem Jover guillem@hadrons.org</p> <p>Niels Provos provos@physnet.uni-hamburg.de</p> <p>2005 Hector Garcia Alvarez</p> <p>2005 Aurelien Jarno</p> <p>2006 Robert Millan</p> <p>2018 Facebook, Inc.</p> <p>The Regents of the University of California. All rights reserved.</p> <p>1992 Keith Muller.</p> <p>2001 Mike Barcroft mike@FreeBSD.org</p> <p>UNIX System Laboratories, Inc.</p> <p>1999, 2005 The NetBSD Foundation, Inc.</p> <p>1996 Peter Wemm peter@FreeBSD.org.</p> <p>2002 Networks Associates Technology, Inc.</p> <p>2009 Jukka Ruohonen jruohonen@iki.fi</p> <p>1999 Kelly Yancey kbyanc@posi.net</p> <p>2013 John-Mark Gurney jmg@FreeBSD.org</p> <p>1998, M. Warner Losh imp@freebsd.org</p> <p>2001 Dima Dorfman.</p> <p>2001 FreeBSD Inc.</p> <p>2002 Thomas Moestl tmm@FreeBSD.org</p> <p>2005 Pawel Jakub Dawidek pjd@FreeBSD.org</p> <p>2005 Colin Percival</p> <p>2007 Eric Anderson anderson@FreeBSD.org</p> <p>2007 Dag-Erling Coïdan Smørgrav</p> <p>2009 Advanced Computing Technologies LLC</p> <p>John H. Baldwin jhb@FreeBSD.org</p> <p>2011 Guillem Jover guillem@hadrons.org</p> <p>1997 Christos Zoulas.</p> <p>2004 Ted Unangst and Todd Miller</p> <p>1996 David Mazieres dm@uun.org</p> <p>Otto Moerbeek otto@drijf.net</p> <p>Damien Miller djm@openbsd.org</p> <p>Markus Friedl markus@openbsd.org</p> <p>Bob Beck beck@obtuse.com</p> <p>Brent Cook bcook@openbsd.org</p> <p>Theo de Raadt deraadt@openbsd.org</p> <p>Google Inc.</p> <p>Michael Felt aixtools@gmail.com</p> <p>Guillem Jover guillem@hadrons.org</p> <p>1996 by Internet Software Consortium.</p> <p>2010 William Ahern</p>	Commonly-used BSD functions not implemented by all libcs
libconfig	LGPLv2.1+	1.4.9	<p>Project: https://www.hyperrealm.com/libconfig/libconfig.html</p> <p>2005-2009 Mark A Lindner</p> <p>2006-2009, Jose Luis Tallon</p> <p>2011-2012, Jonathan McCrohan</p>	A simple library for manipulating structured configuration files

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libpcap	BSD-3	1.3.0	Project: https://www.tcpdump.org/ The Regents of the University of California.	A system-independent interface for user-level packet capture
libffi	MIT	3.2.1	Project: https://sourceware.org/libffi/	Portable, high level programming interface to various calling conventions
libidn	GPLv2.0+ and LGPLv2.1+	11-1.25	Project: https://www.gnu.org/software/libidn Simon Josefsson Free Software Foundation, Inc. 1998, 1999 Tom Tromey 2001 Red Hat Software 2001, 2002 Nikos Mavrogiannopoulos 1998 Michael Zucchi	Encode/Decode library for internationalized domain names

Component Name	License	Version	Copyright notice / remarks	Comment
			Project: https://github.com/libjpeg-turbo/libjpeg-turbo 1991-2020, Thomas G. Lane, Guido Vollbeding 1999-2006, MIYASAKA Masaru 2009-2023, D. R. Commander 2009-2011, Nokia Corporation and/or its subsidiary(-ies) 2009, 2012, Pierre Ossman for Cendio AB 2011-2016, Sjarhei Siamashka 2013-2014, Linaro Limited 2013-2014, MIPS Technologies, Inc. 2015-2016, 2018 Matthieu Darbois 2015, 2020, Google, Inc. 2015, Intel Corporation 2019-2020, Arm Limited Thomas G. Lane. D. R. Commander 2018, Matthias Räncker. 2020, Arm Limited 2016-2018, Loongson Technology Corporation Limited, BeiJing 1997-2020, Dimitri van Heesch Jef Poskanzer	
libjpeg62	Custom BSD-like	8d	1997-1998, Thomas G. Lane, Todd Newman. 2014, Jay Foad. 2011, Alex Neundorf 2011, Eric NOULARD 2011, Nikita Krupen'ko 2013, Dimitri John Ledkov 2014, Daniele E. Domenichelli 2014, Rolf Eike Beer 2015, Alex Turbov 2016, 2019, D. R. Commander 2016, Dmitry Marakasov 2016, Roger Leigh 2021, Alex Richardson. 1990, David Koblas 1996-1997, Agner Fog MIPS Technologies, Inc., California. Thomas G. Lane, Guido Vollbeding. Ondřej Surý ondrej@debian.org Debian TigerVNC Packaging Team pkg-tigervnc-devel@lists.aliases.debian.org 2011-2012, Canonical Ltd. 2011, John Resig 2011, The Dojo Foundation	Library for handling JPEG files

Component Name	License	Version	Copyright notice / remarks	Comment
jansson	MIT	v2.14	Project: https://jansson.readthedocs.io Petri Lehtinen petri@digip.org 2011 Basile Starynkevitch basile@starynkevitch.net 2011, Alessandro Ghedini ghedo@debian.org	File pager
libjson-c	MIT	0.13.1	Project: https://github.com/json-c/json-c/wiki 2004-2005, 2013 Metaparadigm Pte. Ltd. michael@metaparadigm.com 2009-2012 Hewlett-Packard Development Company, L.P. 2012,2017-2022 Eric Haszlakiewicz 2016, Alexandru Ardelean Michael Clark 2008-2009, Yahoo! Inc. 2009, Fabien Boucher fabien.dot.boucher@gmail.com 2018, Nicolas Braud-Santoni nicolas@braud-santoni.eu 2020-2022, Nicolas Mora babelouest@debian.org	JSON manipulation library
liblua	MIT	5.3	Project: http://www.lua.org/ 1994–2020 Lua.org, PUC-Rio.	Lua interpreter
libnet	BSD-2	1.5.4	Project: https://sourceforge.net/projects/libnet-dev/ 2008, David Paleino d.paleino@gmail.com 2002-2008, Domenico Andreoli cavok@debian.org 2009-2012, Stefanos Harhalakis v13@v13.gr The Regents of the University of California 1998-2004, Mike D. Schiffman mike@infonexus.com 2003-2004 Frédéric Raynal pappy@security-labs.org 1999-2000, Andrew Reiter areiter@bindview.com 1999-2001, Dug Song dugsong@monkey.org Carnegie Mellon University Jason Damron jsdamron@hushmail.com jdamron@stackheap.org 2002, Jose Nazario jose@crimelabs.net Roberto Larcher roberto.larcher@libero.it Atanu Ghosh atanu@cs.ucl.ac.uk , University College London 989, Micky Liu micky@cunixc.cc.columbia.edu , Columbia University 2001-2002, Don Bowman don@sandvine.com	A generic networking API that provides access to several protocols
libnl3	LGPLv2.1+	3.2.7	Package: http://www.infradead.org/~tgr/libnl/ Thomas Graf tgraf@suug.ch Baruch Even baruch@ev-en.org Petr Gotthard petr.gotthard@siemens.com Siemens AG Oesterreich Philip Craig philipc@snapgear.com Patrick McHardy kaber@trash.net Secure Computing Corporation 2012 Texas Instruments Incorporated - http://www.ti.com/	Library for applications dealing with netlink sockets

Component Name	License	Version	Copyright notice / remarks	Comment
liboil	BSD-2	0.3.16	Project: https://liboil.freedesktop.org	
libonig2	GPLv3.0+	5.12	Project: https://github.com/kkos/oniguruma 2002-2020 K.Kosako kkosako0@gmail.com 2006-2008 Max Kellermann max@duempel.org 2014-2022 Jörg Frings-Fürst debian@jff.email	Oniguruma is a library for working with regular expressions
libopts25	GPLv3.0+	5.12	Project: https://ftp.gnu.org/gnu/autogen/ 1992-2018 by Bruce Korb Free Software Foundation, Inc. Gary V. Vaughan Harlan Stenn Oliver Kindernay (GSoC project for NTP.org) 2008-2012 Bradley Smith brad@brad-smith.co.uk 2012-2019 Andreas Metzler ametzler@debian.org	Automated option processing library based on autogen
libselinux	Public-Domain	2.1.9	Project: https://github.com/SELinuxProject/selinux/wiki 2004 Red Hat, Inc., James Morris jmorris@redhat.com	SELinux library and simple utilities
libsoup	LGPLv2.0+	1.7.0	Project: https://wiki.gnome.org/Projects/libsoup 1999-2003 Ximian, Inc. 2001-2007 Novell, Inc. 2007 OpenedHand Ltd. 2007-2016 Red Hat, Inc. 2008 Diego Escalante Urrelo 2009-2013 Guido Guenther 2009-2013 Gustavo Noronha Silva 2009-2015 Collabora Ltd. 2009-2019 Igalia, S.L. 2012 Nokia Corporation 2012-2018 Canonical Ltd. 2012-2019 Free Software Foundation, Inc. 2015 GNOME i18n Project for Vietnamese 2017-2018 Metrological Group B.V. 2018 Rosetta Contributors 2018-2019 Simon McVittie 2017-2018 Tomas Popela	Gnome HTTP client/server Library

Component Name	License	Version	Copyright notice / remarks	Comment
libuv	MIT and Expat and BSD-2	1.0.0	<p>https://libuv.org/ 2015-2021, libuv project contributors. 2011-2015, Joyent, Inc. and other Node contributors. 2011, 2013-2015, 2018, Ben Noordhuis info@bnoordhuis.nl 2018-2022, Dominique Dumont dod@debian.org 2013, Dariusz Dwornikowski. 2006-2008, Alexander Chemeris 2002, Niels Provos provos@citi.umich.edu 2011, Daniel Richard G. skunk@iSKUNK.ORG 2008, Steven G. Johnson stevenj@alum.mit.edu 2006-2008, xine project 2006-2008, Diego Pettenò Internet Systems Consortium, Inc. ("ISC") 1996-1999, Internet Software Consortium. 2013, Sony Mobile Communications AB 2015, Saúl Ibarra Corretgé saghul@gmail.com. Bert Belder Fedor Indutny. 2021 by X. Ample.</p>	Cross-platform asynchronous I/O
libblkid	LGPLv2.1+	1.1.0	<p>Project: https://git.kernel.org/cgit/utils/util-linux/util-linux.git Michal Luscon mluscon@redhat.com 1986 Gary S. Brown 1990 Gordon Irlam (gordoni@cs.ua.oz.au) 1991, 1992 Linus Torvalds 1991-2004 Miquel van Smoorenburg 1992 A. V. Le Blanc (LeBlanc@mcc.ac.uk) 1992-1997 Michael K. Johnson, johnsonm@redhat.com Theodore Ts'o tytso@mit.edu 1994 Kevin E. Martin (martin@cs.unc.edu) 1994 Salvatore Valente svalente@mit.edu 1994, 1996 Alessandro Rubini (rubini@ipvvis.unipv.it) 1994-2005 Jeff Tranter (tranter@pobox.com) 1995, 1999, 2000 Andries E. Brouwer aeb@cwi.nl 1997-2005 Frodo Looijaard frodo@frodo.looijaard.name 1998 Danek Duvall duvall@alumni.princeton.edu 1999 Andreas Dilger 1999-2002 Transmeta Corporation Red Hat, Inc. 2000 Werner Almesberger 2004-2006 Michael Holtz, kju-at-fqdn.org 2005 Adrian Bunk 2007-2020 Karel Zak kzak@redhat.com 2007, 2011, 2012, 2016 SuSE LINUX Products GmbH 2008 Cai Qian qcai@redhat.com 2008 Hayden A. James (hayden.james@gmail.com) 2008 James Youngman jay@gnu.org 2008 Roy Peled</p>	(പ്രവീണി A

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			2004 Robert Love rml@tech9.net	
			Steven M. Bellovin smb@research.att.com	
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			1990 Jim Berets jberets@bbn.com	
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			2000-2001 Gunnar Ritter	
			2003, 2004, 2005 Thorsten Kukuk	
			1994 Martin Schulze joey@infodrom.north.de	
			Free Software Foundation, Inc.	
			2004-2008 Kay Sievers kay.sievers@vrfy.org	
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libbz2	bzip2	1.0.4	Project: https://sourceware.org/bzip2/ 1996-2010 Julian R Seward jseward@bzip.org 2018 Nicolas Boulenguez nicolas.boulenguez@free.fr 2012-2015 Santiago Ruano Rincón santiago@debian.org 2014 Canonical Ltd. 2004-2011 Anibal Monsalve Salazar anibal@debian.org 1999-2002 Philippe Troin phil@fifi.org 1997-1999 Anthony Fok foka@debian.org	Shared library for bz2
libhistory	GPLv3.0+	6.2	Project: https://tiswww.cwru.edu/php/chet/readline/rltop.html The Regents of the University of California. All rights reserved.	GNU History Library
libtasn1	LGPLv2.1+	3.2.13	Project: https://www.gnu.org/software/gnutls/ Free Software Foundation, Inc.	The ASN.1 library used in GNUTLS
libusb	LGPLv2.1+	1.0.0	Project: https://libusb.info/ 2001 Johannes Erdfelt johannes@erdfelt.com 2007-2009 Daniel Drake dsd@gentoo.org 2010-2012 Peter Stuge peter@stuge.se 2008-2013 Nathan Hjelm hjelmn@users.sourceforge.net 2009-2013 Pete Batard pete@akeo.ie 2009-2013 Ludovic Rousseau ludovic.rousseau@gmail.com 2010-2012 Michael Plante michael.plante@gmail.com 2011-2013 Hans de Goede hdegoede@redhat.com 2012-2013 Martin Pieuchot mpi@openbsd.org	Library that enables userspace access to USB devices

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libwebsockets	MIT	4.3.0	<p>Project: https://libwebsockets.org/</p> <p>Andy Green andy@warmcat.com Kitware Inc. 2001 Bob Trower, Trantor Standard Systems Inc. 2000 - 2001 Kungliga Tekniska Högskolan 2017 National Institute of Advanced Industrial Science and Technology (AIST) 1995, 1996, 1997, and 1998 WIDE Project. 2017 Per Bothner per@bothner.com 2016 Alexander Bruines alexander.bruines@gmail.com 1987, 1993, 1994 The Regents of the University of California 1995-2010 Jean-loup Gailly and Mark Adler 2013, 2015, 2016, 2018 Peter Pentchev roam@ringlet.net 2013, 2015, 2017, 2020 Laszlo Boszormenyi (GCS) gcs@debian.org</p>	C library for lightweight websocket clients and servers
libxml2	MIT	2.9.12	<p>Project: https://gitlab.gnome.org/GNOME/libxml2 Daniel Veillard daniel@veillard.com 1998-1999 Vincent Renardias vincent@waw.com 1999-2000 Fredrik Hallenberg hallon@debian.org 2003-2011 Mike Hommey glandium@debian.org 2012-2016 Aron Xu aron@debian.org 2017-2022 Mattia Rizzolo mattia@debian.org Bjorn Reese breeze@users.sourceforge.net 2000 Gary Pennington Gary.Pennington@uk.sun.com 2010-2017 Christopher Swenson 2012 Vojtech Fried 2012 Google Inc.</p>	XML parsing library, version 2
linux kernel	GPLv2.0	3.4.75	<p>Project: The Linux Foundation Linus Torvalds and many others Steffen Klassert, David Dillow, Adam Radford, James EJ Bottomley, Andreas Koensgen, Realtek linux nic maintainers, Francois Romieu, Greg Kroah-Hartman, Eric Van Hensbergen, Ron Minnich, Latchesar Ionkov, Antti Palosaari, Adaptec OEM Raid Solutions, Hans de Goede, Alistair John Strachan, Jes Sorensen, Peter Feuerer, Lee, Chun-Yi, Rafael J Wysocki, Len Brown, Robert Moore, Lv Zheng, Zhang Rui, Thibaut Varene, Michael Hennerich, Jiri Kosina, Jean Delvare, Coarentin Labbe, Sakari Ailus, Dirk Eibach, Colin Leroy, Matthew Wilcox, Riccardo Facchetti, David Howells, David Airlie, Juergen E Fischer, Hannes Reinecke, Hans Verkuil, Benjamin LaHaise, Duncan Sands, Manuel Lauss, Rudolf Marek, Richard Henderson, Ivan Kokshaysky, Matt Turner, Vince Bridgers, Tobias Klauser, Tom Lendacky, Andreas Herrmann, Thomas Dahlmann, Joerg Roedel, Michael Hanselmann, Tom Tucker, Steve</p>	The Linux Kernel

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			James Hogan, Eli Cohen, Anisse Astier, Chris Ball, Andrew Veliath, Hyong-Youb Kim, Daniel Mack, Petr Vandrovec, Faisal Latif, Jon Mason, Pablo Neira Ayuso, Jozsef Kadlecsek, Paul Moore, Paul Clements, Alexey Kuznetsov, James Morris, Hideaki YOSHIFUJI, John W Linville, Manish Chopra, Sony Chacko, Rajesh Borundia, Lauro Ramos Venancio, Aloisio Almeida Jr, Trond Myklebust, Ryusuke Konishi, YOKOTA Hiroshi, GOTO Masanori, Anton Altaparmakov, Tony Lindgren, Benoît Cousson, Paul Walmsley, Kevin Hilman, Rajendra Nayak, Peter Ujfalusi, Jarkko Nikula, Jarkko Lavinien, Balaji T K, Mark Jackson, Bob Copeland, Willem Riede, Grant Likely, Pawel Moll, Mark Rutland, Ian Campbell, Jonas Bonn, Pravin Shelar, Mark Fasheh, Boaz Harrosh, Benny Halevy, Koichi Yasutake, Jeremy Fitzhardinge, Alok Kataria, Tim Waugh, Helge Deller, Jim Cromie, Linas Vepstas, Bjorn Helgaas, Richard Zhu, Mohit Kumar, Don Fry, Christoph Lameter, Remi Denis- Courmont, Bruno Prémont, Jamie Iles, Tomasz Figa, Thomas Abraham, Guan Xuetao, Anil Ravindranath, xjtuwjp@gmailco, lindar_liu@usishco, Vitaly Wool, Mitchell Blank Jr, Michal Ostrowski, James Chapman, Rodolfo Giometti, Mikael Pettersson, Geoff Levand, Jim Paris, Colin Cross, Kees Cook, Richard Cochran, Roland McGrath, Oleg Nesterov, Mike Isely, Eric Miao, Haojian Zhuang, Michael Reed, qla2xxx- upstream@qlogicco, Vikas Chaudhary, iscsi-driver@qlogicco, Jitendra Kalsaria, Ron Mercer, linux-driver@qlogicco, Shahed Shaikh, Dept-HSGLinuxNICDev@qlogicco, Anders Larsen, QCA ath9k Development, Richard Kuo, Eugene Krasnikov, Yehuda Sadeh, Alex Elder, ceph- devel@vgerkernelor, Ivo van Doorn, Helmut Schaa, Nick Piggin, Alexandre Bounine, Josh Triplett, Paul E McKenney, Chien Yen, Dipankar Sarma, Alessandro Zummo, Mark Brown, Stefan Achatz, Herton Ronaldo Krzesinski, Hin-Tak Leung, Chaoming Li, Martin Schwidefsky, Heiko Carstens, Sebastian Ott, Stefan Weinhuber, Stefan Haberland, Ursula Braun, Frank Blaschka, Gerald Schaefer, Ingo Tuchscherer, Steffen Maier, Sangbeom Kim, Sylwester Nawrocki, Andrzej Hajda, Byungho An, Girish K S, Vipul Pandya, Andy Shevchenko, Seungwon Jeon, Jaehoon Chung, John Stultz, Huang Shijie, Zwane Mwaikambo, Chen Liqin, Lennox Wu, Bart Van Assche, Doug Gilbert, Kai Mäkisara, Vlad Yasevich, Sascha Sommer, Stephen Smalley, John Johansen, Jayamohan Kallikal, Sathya Perla, Subbu Seetharaman, Ajit Khaparde, Shradha Shah, Dimitri Sivanich, Cliff Whickman, Robin Holt, Eduardo Valentin, Sekhar Nori, Lad, Prabhakar, Daniele Venzano, Thomas Winischofer, Lai Jiangshan, Casey Schaufler, Nishanth Menon, Steve	

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			<p>Glendinning, Neil Brown, Thomas Bogendoerfer, Mattia Dongili, Alex Dubov, Takashi Iwai, Liam Girdwood, Christopher Li, Shiraz Hashim, Ishizaki Kou, Jens Osterkamp, Phillip Lougher, Jan-Benedict Glaw, Henk de Groot, Jakub Schmidtke, Ian Abbott, H Hartley Sweeten, Naren Sankar, Jarod Wilson, Scott Davilla, Manu Abraham, Steve Underwood, David Rowe, Mark Einon, Marek Belisko, David Täht, Julian Andres Klode, Marc Dietrich, Jens Frederich, Daniel Drake, Jon Nettleton, Rupesh Gajare, Willy Tarreau, Florian Schilhabel, Teddy Wang, Lior Dotan, Christopher Harrer, Ismael Luceno, William Hubbs, Chris Brannon, Kirk Reiser, Samuel Thibault, Omar Ramirez Luna, Al Cho, Forest Bond, Arnaud Patard, Ion Badulescu, Sam Creasey, Denis Kirjanov, Martin Mares, Vineet Gupta, Nicholas A Bellinger, Jamal Hadi Salim, Wong Hoi Sing, Edison, Hung Hing Lun, Mike, Jiri Pirko, Savoir-faire Linux Inc, Peter De Schrijver, Prashant Gaikwad, Laxman Dewangan, Hiroshi Doyu, Rakesh Iyer, Chris Zankel, Max Filippov, Vivien Didelot, Henrique de Moraes Holschuh, M R Swami Reddy, Vishwas A Deshpande, Milo Kim, Jon Maloy, Allan Stephens, Chris Metcalf, Samuel Chessman, Kentaro Takeda, Tetsuo Handa, Jonathan Buzzard, Hugh Dickins, Peter Huewe, Ashley Lai, Marcel Selhorst, Steven Rostedt, Frederic Weisbecker, Grant Grundler, Maxim Krasnyansky, Artem Bityutskiy, Adrian Hunter, Evgeniy Dushistov, David Herrmann, Tony Finch, Benjamin Romer, David Kershner, Vinayak Holikatti, Santosh Y, Richard Weinberger, Pontus Fuchs, Gerd Hoffmann, Cesar Miquel, Alan Stern, Olav Kongas, Matthew Dharm, Matthias Urlichs, Petko Manolov, Pete Zaitcev, Johan Hovold, Luca Risolia, Jussi Kivilinna, Mathias Nyman, Antoine Jacquet, Jeff Dike, Karel Zak, Michal Januszewski, OGAWA Hirofumi, Alex Williamson, Pawel Osciak, Marek Szyrowski, Amit Shah, Roger Luethi, Bruce Chang, Florian Tobias Schandinat, Martyn Welch, Manohar Vanga, Shreyas Bhatewara, VMware, Inc, Arvind Kumar, VMware PV-Drivers, Roger Lucas, Tony Olech, Marc Hulsman, Pierre Ossman, Wim Van Sebroeck, Miroslav Zagorac, David Härdeman, Miloslav Trmac, Andrew Hendry, Boris Ostrovsky, David Vrabel, Stefano Stabellini, Wei Liu, Dave Chinner, Anirudha Sarangi, John Linn, Jean-Paul Roubelat, Henk Vergonet, Seth Jennings, Ulrich Kunitz, Minchan Kim, Nitin Gupta, Linus Torvalds,</p>	
less	GPLv3.0+	444	<p>Project: https://www.greenwoodsoftware.com/less/ Mark Nudelman 1987, X Consortium 1986 by University of Toronto. Noah Friedman friedman@prep.ai.mit.edu</p>	File pager

Component Name	License	Version	Copyright notice / remarks	Comment
mawk	GPLv2.0	1.3.3	Project: https://invisible-island.net/mawk/ 1996, Michael D. Brennan. 2009-2020, Thomas E. Dickey. 1995-96 Chris Fearnley. 1998-2003 James Troup. 1994 X Consortium	mawk is an interpreter for the AWK Programming Language
mc	GPLv3.0+	4.8.3	Project: https://www.midnight-commander.org 1991-1992, 1994-2022 Free Software Foundation 1996 andrey joukov <2:5020/337.13@fidonet.org> 2002 ARJ Software Russia 2003 Alexander Serkov serkov@ukrpost.net 1992-1998 Andrew Tridgell 1995 Ian Jackson iwj10@cus.cam.ac.uk 2008 Jacques Pelletier jpelletier@ieee.org 1996-1997 Joseph M. Hinkle jhinkle@rockisland.com 1998 John H Terpstra jht@aquasoft.com.au 1990-1998 Karl Auer 2005-2006 Leonard den Ottolander 1996-1998 Luke Kenneth Casson Leighton 1995-1996 Miguel de Icaza 2000-2001 Oskar Liljeblad osk@hem.passagen.se 1996 Paul Sheer 2003 Pavel Roskin 2002 Petr Kozelka pkozelka@email.cz 1999 Piotr Roszatycki dexter@debian.org 1995-1998 Samba-Team 2001 Walery Studennikov despair@sama.ru 1997-1998 the University of Minnesota 2004, 2007 Oren Ben-Kiki 2004 the University of Wroclaw 2018 Vitold S 2002-2004 Adam Byrtek alpha@debian.org 2011 Andreas Tille tille@debian.org 2002 Colin Watson cjwatson@debian.org 2008-2015 Denis Briand debian@denis-briand.fr 2012-2023 Dmitry Smirnov onlyjob@debian.org 1997 Fernando Alegre alegre@debian.org 2004-2007 Ludovic Drolez ldrolez@debian.org 1999-2001 Martin Bialasinski martinb@debian.org 1999 Martin Bialasinski mc@internet-treff.uni-koeln.de 1998-1999 Michael Bramer grisu@debian.org 2008-2009 Patrick Winnertz winnie@debian.org 1998 Paul Seelig pseelig@goofy.zdv.uni-mainz.de 2004-2007 Stefano Melchior stefano.melchior@openlabs.it 1997 Vincent Renardias vincent@waw.com 2008-2010 Yury V. Zaytsev yury@shurup.com 2013 Gabriele Svelto gabriele.svelto@gmail.com	Filemanager/shell that emulates Norton Commander

Component Name	License	Version	Copyright notice / remarks	Comment
kmod	GPLv2.0+	9	Project: http://git.kernel.org/?p=utils/kernel/kmod/kmod.git;a=summary	Linux kernel module management utilities
nano	GPLv3.0+	2.2.6	Project: https://www.nano-editor.org 1999-2011, 2013-2016 Free Software Foundation, Inc. 2014-2023 The contributors to GNU nano 1999-2023 Jordi Mallach jordi@debian.org	Enhanced clone of the Pico text editor
ncurses	MIT-X11	5.9.2	Project: https://invisible-island.net/ncurses/ 1998-2017,2018 Free Software Foundation, Inc. 1996-2020,2021 Thomas E. Dickey 2001 Pradeep Padala 1994 X Consortium 1980,1991,1992,1993 The Regents of the University of California	Console display library
net-tools	GPLv2.0+	1.6.0	Project: https://sourceforge.net/projects/net-tools/ 1988-1994 MicroWalt Corporation 1995-1996 Bernd Eckenfels 1997-2000 Andi Kleen 1997-2000 Donald Becker 2000 Anthony Towns 2018 Sergio Durigan Junior	Linux networking base tools
openntpd	ISC	4.2.6	Project: http://www.openntpd.org/ 2004, Alexander Guy alexander@openbsd.org 2014, Bob Beck beck@obtuse.com 2014, Brent Cook bcook@openbsd.org 1999-2008, Damien Miller djm@openbsd.org 2004-2008, Darren Tucker dtucker@zip.com.au 1996, David Mazieres dm@uun.org 2010, Gilles Chehade gilles@poolp.org 2002-2008, Henning Brauer henning@openbsd.org 2013, Markus Friedl markus@openbsd.org 2012, Mike Miller mmiller@mgm51.com 2008, Otto Moerbeek otto@drijf.net 2014, Pawel Jakub Dawidek pjd@FreeBSD.org 2006-2007, Pierre-Yves Ritschard pyr@openbsd.org 2006-2015, Reyk Floeter reyk@openbsd.org 2007, Sebastian Benoit benoit-lists@fb12.de 2004, Ted Unangst 2014, Theo de Raadt deraadt@openbsd.org 1997-2015, Todd C. Miller Todd.Miller@courtesan.com 2000-2001, Aaron D. Gifford 1983-1997, Eric P. Allman 2006, WIDE Project 1994-2014, Free Software Foundation, Inc 2008, Daniel Baumann daniel@debian.org 2014, Ulises Vitulli dererk@debian.org 1996, Gordon Matzigkeit gord@gnu.ai.mit.edu	Lightweight NTP server ported from OpenBSD

Component Name	SSH- License OpenSSH	7.4p1 Version	Project: https://www.openssh.com/portable.html Copyright notice / remarks 1995 Tatu Ylonen ylo@cs.hut.fi , Espoo, Finland	Port of OpenBSD's free SSH Comment release
			Markus Friedl	
			Theo de Raadt	
			Niels Provos	
			Dug Song	
			Aaron Campbell	
			Damien Miller	
			Kevin Steves	
			Daniel Kouril	
			Wesley Griffin	
			Per Allansson	
			Nils Nordman	
			Simon Wilkinson	
			Ben Lindstrom	
			Tim Rice	
			Andre Lucas	
			Chris Adams	
			Corinna Vinschen	
			Cray Inc.	
			Denis Parker	
			Gert Doering	
			Jakob Schlyter	
			Jason Downs	
			Juha Yrjölä	
			Michael Stone	
			Networks Associates Technology, Inc.	
			Solar Designer	
			Todd C. Miller	
			Wayne Schroeder	
			William Jones	
			Darren Tucker	
			Sun Microsystems	
			The SCO Group	
			Daniel Walsh	
			Red Hat, Inc	
			Simon Vallet / Genoscope	
			Internet Software Consortium	
			Reyk Floeter	
			1995, 1996 David Mazieres dm@lcs.mit.edu	
			Vincent Rijmen vincent.rijmen@esat.kuleuven.ac.be	
			Antoon Bosselaers	
			antoon.bosselaers@esat.kuleuven.ac.be	
			Paulo Barreto paulo.barreto@terra.com.br	
			1983, 1995-1997 Eric P. Allman	
			1993 by Digital Equipment Corporation	
			2003 Constantin S. Svintsoff kostik@iclub.nsu.ru	
			1980, 1983, 1987, 1988, 1989, 1990, 1991, 1992, 1993,	
			1994, 1995 The Regents of the University of California	
			1995 Patrick Powell	

Component Name	License	Version	Copyright notice / remarks	Comment
			1998, 2000 Free Software Foundation, Inc. Matthew Vernon, Colin Watson	
openssl	OpelSSL License, SSLeay License	1.1.1q	Project: https://www.openssl.org/ 1995-2020, The OpenSSL Project Authors 1995-1998, Eric A. Young, Tim J.Hudson 2004-2014 Akamai Technologies. 2008 Andy Polyakov appro@openssl.org 2017 BaishanCloud. 2015 CloudFlare Inc. 2014-2016 Cryptography Research Inc. 2012-2014 Daniel J. Bernstein 2004 EdelKey Project. 2011 Google Inc. 2018-2019 IBM Corp. 2012,2014 Intel Corporation. 2012-2016 ean-Philippe Aumasson 2007 KISA(Korea Information Security Agency). 2004 Kungliga Tekniska Högskolan 2017 National Security Research Institute. br>2006 etwork Resonance Inc. 2005,2007-2020 Nokia 2006 NTT (Nippon Telegraph and Telephone Corporation) 2002,2017-2020 Oracle and/or its affiliates. 1995 atrick Powell 2019 Red Hat Inc. 2017 Ribose Inc. 2004,2018 Richard Levitte richard@levitte.org 2011 RTFM Inc. 2012 Samuel Neves sneves@dei.c.pt 2015-2020 Siemens AG 2002 The OpenTSA Project. 2013-2014 Timo Teräs timo.teras@gmail.com 2016 Viktor Dukhovni openssl-users@dukhovni.org . 2016 VMS Software Inc. Christoph Martin Kurt Roeckx Sebastian Andrzej Siewior 2013, Mark Jason Dominus mjd@cpan.org	Toolkit for transport layer security (TLS)
popt	GPLv2+	1.16	Project: https://github.com/rpm-software-management/popt Red Hat, Inc. 1997 to 1999 by Joey Hess 2012, Paul Martin pm@debian.org 2018, Michael Jeanson mjeanson@debian.org 2022 Håvard F. Aasen havard.f.aasen@pfft.no	Commandline option parser

Component Name	License	Version	Copyright notice / remarks	Comment
			Project: https://gitlab.com/procps-ng/procps 1998-2004 Albert Cahalan 1991 Tony Rems rembo@unisoft.com 1993 Larry Greenfield 1996 Charles Blake 1999 Mike Coleman mkc@acm.org 2004 Nicholas Miell 2003 Chris Rivera 2003 Robert Love rml@tech9.net 2008 Morty Abzug 2009 Jarrod Lowe procps@rrod.net 1992 Branko Lankester David Engel david@ods.com	
procps-ng	GPLv2.0	3.3.3	1992-1998 Michael K. Johnson johnsonm@sunsite.unc.edu 2012-2022 Craig Small csmall@enc.com.au 1995 Martin Schulze joey@infodrom.north.de 2002-2022 James C. Warner 2000 Kjetil Torgrim Homme kjetilho@ifi.uio.no 2002,2006 Albert Cahalan 2012 Roberto Polli rpolli@babel.it 2013 Jaromir Capik jcapik@redhat.com 2011 Sami Kerola kerolasa@iki.fi 1992 Brian Edmonds 1992 Rafal Maszkowski 1999 George Staikos 1996-1997 Helmut Geyer Helmut.Geyer@iwr.uni-heidelberg.de	Utilities for monitoring your system and processes on your system
			Project: https://gitlab.com/psmisc/psmisc 1993-2005 Werner Almesberger 2002-2011 Craig small csmall@enc.com.au 2011 Werner Fink werner@suse.de 2007 Trent Waddington trent.waddington@gmail.com	Set of some small useful utilities that use the proc filesystem
pjproject	GPLv2.0+	2.4	Project: https://www.pjsip.org/pjsua.htm Teluu Inc. Benny Prijono Contributed and Public Domain Third Party Software: ACE Timer Heap: Timer heap management of Adaptive Communication Framework (ACE) Library Author: Douglas C. Schmidt and his research group at Washington University, University of California, Irvine, and Vanderbilt University, Copyright (c) 1993-2006, all rights reserved Location: pjlib/include/pj/timer.h pjlib/src/pj/timer.c Description: The timer heap in PJLIB was based on ACE's Timer_Heap	Open source multimedia communication library

Component Name	License	Version	Copyright notice / remarks	Comment
			<p>License: Permissions have been obtained from the copyright holder/original author (Douglas C. Schmidt) to use and redistribute this code according to the SOFTWARE licenses. You may, at your option, opt to use ACE license for this particular software.</p> <p>Usage: This code is integral part of the library and can not be disabled.</p>	
			<p>Alaw/Ulaw Converter: Alaw/ulaw conversion algorithm Author: Sun Microsystems, Inc Location: pjmedia/src/pjmedia/alaw_ulaw.c Description: PCM Alaw and U-law conversion License: Free and unrestricted use, see the source code for details.</p> <p>Usage: This software is not used by default unless PJMEDIA_HAS_ALAW_ULAW_TABLE is disabled. When PJMEDIA_HAS_ALAW_ULAW_TABLE is enabled (the default setting), a table based alaw/ulaw conversion will be used instead.</p>	
			<p>MD5 Hashing Algorithm: MD5 hashing implementation Author: Written by Colin Plumb in 1993 based on MD5 algorithm by Ron Rivest, no copyright is claimed. Location: pjlib-util/src/pjlib-util/md5.c Description: MD5 hashing for digest authentication. License: Public domain, see the source code for details. Usage: This code is needed by SIP digest authentication procedure, and can not be disabled.</p>	
			<p>SHA1 Encryption: Author: Steve Reid, James H. Brown, Saul Kravitz, Ralph Giles Location: pjlib-util/src/pjlib-util/sha1.c License: Public domain, see the source code for details. Usage: This code is needed by the STUN implementation in PJNATH and can not be disabled.</p>	
			<p>G.722 Codec: G.722 audio encoding and decoding algorithm Author: Based on the implementation found in ftp://ftp.cs.cmu.edu/project/fgdata/speech-compression/CCITT-ADPCM/64kbps/adpcm64_g722/. No copyright is claimed on the original source code. The author is possibly Milton Anderson (milton@thumper.bellcore.com) from BELLCORE Location: pjmedia/src/pjmedia-codec/g722/ Description: The G.722 codec algorithms are included in PJMEDIA source directory</p>	

Component Name	License	Version	Copyright notice / remarks	Comment
			<p>License: Public domain software</p> <p>Usage: This software will only be linked if application explicitly initialize the G.722 library by calling <code>pjmedia_codec_g722_init()</code>. Note that if PJSUA-LIB is used, then this call is made by PJSUA-LIB, hence causing your application to be linked with the software. The software can be explicitly disabled from the link process by defining <code>PJMEDIA_HAS_G722_CODEEC</code> to zero.</p>	
			<p>Third Party Software with Licensing Requirements:</p> <p>GNU Getopt: Command line parsing library, part of GNU LIBC</p> <p>Author: Copyright (C) 1987,88,89,90,91,92,93,94,96,97 Free Software Foundation, Inc</p> <p>Location: <code>pjlib-util/include/pjlib-util/getopt.h</code> <code>pjlib-util/src/pjlib-util/getopt.c</code></p> <p>Description: Command line parsing library that is used by our sample applications</p> <p>License: GNU LGPL</p> <p>Usage: This code will only be linked if applications explicitly call <code>pj_getopt()</code> or <code>pj_getopt_long()</code>. Normally application doesn't need to use this, since this functionality is useful for command line/console types of applications only.</p>	
			<p>Resample: High Quality Sample Rate Conversion Author: https://ccrma.stanford.edu/~jos/resample/</p> <p>Julius O. Smith III Center for Computer Research in Music and Acoustics (CCRMA), Stanford University</p> <p>Location: <code>third_party/resample/</code></p> <p>Description: PJMEDIA uses <code>resample-1.7.tar.gz</code> from Digital Audio Resampling Home Page.</p> <p>License: LGPLv2.1</p> <p>Usage: This resampling software is used by the conference bridge. This software is used when the <code>PJMEDIA_RESAMPLE_IMP</code> macro is set to <code>PJMEDIA_RESAMPLE_LIBRESAMPLE</code>, which is the default. Other options for resampling backends include Speex and Secret Rabbit Code (which is dual licensed). Please see <code>PJMEDIA_RESAMPLE_IMP</code> documentation for more info.</p>	
			<p>GSM Codec 06.10:</p> <p>Author: Copyright 1992, 1993, 1994 by Jutta Degener and Carsten Bormann, Technische Universitaet Berlin</p> <p>Location: <code>third_party/gsm</code></p> <p>Description: PJMEDIA includes uses GSM 06.10 version 1.0 at patchlevel 12</p> <p>License: Free to use with no warranty:</p>	

Component Name	License	Version	Copyright notice / remarks	Comment
			<p>third_party/gsm/COPYRIGHT: 1992, 1993, 1994 by Jutta Degener and Carsten Bormann, Technische Universitaet Berlin</p> <p>Speex: Speex codec, accoustic echo cancellation, and sampling rate conversion. Author: https://speex.org/ Location: third_party/speex/ Description: PJMEDIA uses Speex codec version 1.1.12. Speex is a high quality, Open source, patent free codec implementation developed by open source community. License: third_party/speex/COPYING: 2002-2008 Xiph.org Foundation 2002-2008 Jean-Marc Valin 2005-2007 Analog Devices Inc. Commonwealth Scientific and Industrial Research Organisation (CSIRO) 1993, 2002, 2006 David Rowe 2003 EpicGames 1992-1994 Jutta Degener, Carsten Bormann Usage: Speex codec: this software will only be linked if application explicitly initialize the Speex library by calling pjmedia_codec_speex_init(). Note that if PJSUA-LIB is used, then this call is made by PJSUA-LIB, hence causing your application to be linked with the software. The software can be explicitly disabled from the link process by defining PJMEDIA_HAS_SPEEX_CODEC to zero. Speex AEC: Speex accoustic echo cancellation is enabled by default for the sound device. Application can disable this by setting PJMEDIA_HAS_SPEEX_AEC to zero. Speex sample rate converter: Speex sample rate converter is only used when PJMEDIA_HAS_SPEEX_RESAMPLE macro is set to non-zero. The default is disabled.</p> <p>iLBC Codec: iLBC Audio Codec Author: WebRTC Project https://webrtc.org/ilbc-freeware Location: third_party/ilbc/ Description: PJMEDIA supports iLBC codec, and iLBC codec implementation is included in PJSIP source distribution. License: WebRTC Usage: This software will only be linked if application explicitly initialize the iLBC library by calling pjmedia_codec_ilbc_init(). Note that if PJSUA-LIB is used, then this call is made by PJSUA-LIB, hence causing your application to be linked with the software. The software can be explicitly disabled from the link process by defining PJMEDIA_HAS_ILBC_CODEC to zero.</p>	

Component Name	License	Version	Copyright notice / remarks	Comment
			<p>libSRTP:</p> <p>Author: David A. McGrew, Cisco Systems, Inc.</p> <p>Location: <code>third_party/srtp/</code></p> <p>Description: libSRTP implements Secure RTP/RTCP (SRTP and SRTCP).</p> <p>License: BSD 3-clause: <code>third_party/srtp/README.md</code> 2001-2017 Cisco Systems, Inc. All rights reserved.</p> <p>Usage: Copy of libSRTP is included in PJSIP distribution, and it is built by default on all supported platforms. SRTP functionality is also enabled by default. If you wish to disable SRTP, declare <code>PJMEDIA_HAS_SRTP</code> macro to zero.</p>	
readline	GPLv3.0	6.2	<p>Project: https://tiswww.cwru.edu/php/chet/readline/rltop.html</p> <p>1987-2022 Free Software Foundation, Inc.</p> <p>2001 by Dimitris Vyzovitis [vyzo@media.mit.edu]</p> <p>1999 Jeff Solomon</p> <p>2003-2004 Harold Levy</p> <p>1993-2002 Juergen Weigert</p> <p>1993-2002 Michael Schroeder</p> <p>1987 Oliver Laumann</p> <p>2004, 1999 Per Bothner</p> <p>2000-2007 Hans Lub</p> <p>1999-2001 Geoff Wing</p> <p>Damian Ivereigh 2000</p> <p>Markus Kuhn</p> <p>1999-2009 Matthias Klose doko@debian.org</p>	GNU readline library
reredirect	MIT	0.1	<p>Project: https://github.com/jerome-pouiller/reredirect/</p> <p>2011 by Nelson Elhage</p> <p>2014 by Jérôme Pouiller jezz@sysmic.org</p>	Tool to dynamically redirect outputs of a running process
rtmpdump	GPLv2.0	2.4	<p>Project: http://rtmpdump.mplayerhq.hu/</p> <p>2009 Andrej Stepanchuk</p> <p>2009-2011 Howard Chu</p> <p>2005-2008 Team XBMC</p> <p>2010 Reinhard Tartler siretart@tauware.de</p>	A tool to download <code>rtmp://</code> and <code>rtmpe://</code> streams
run-parts	GPLv2.0	4.3.2	<p>Project: https://packages.qa.debian.org/d/debianutils.html</p> <p>1994 Ian Jackson.</p> <p>1996 Jeff Noxon jeff@router.patch.net</p> <p>1996-1999 Guy Maor maor@debian.org</p> <p>2002-2020 Clint Adams</p>	run-parts from the <code>debianutils</code> package

Component Name	License	Version	Copyright notice / remarks	Comment
sed	GPLv3.0+	4.2.1	Project: https://www.gnu.org/software/sed 1989-2020 Free Software Foundation, Inc. 1994 X Consortium 1996,1999 by Internet Software Consortium. 1992 Diomidis Spinellis. 1992, 1993 The Regents of the University of California. All rights reserved. 2004 John Maddock 1997-2003 University of Cambridge	GNU stream editor
screen	GPLv3.0+	4.1.0	Project: https://www.gnu.org/software/screen/ 1987 Oliver Laumann 1991 Wayne Davidson 1993-2017 Juergen Weigert jnweiger@immd4.informatik.uni-erlangen.de 1993-2009 Michael Schroeder mlschroe@immd4.informatik.uni-erlangen.de 2008-2009 Micah Cowan micah@cowan.name 2008-2015 Sadrul Habib Chowdhury sadrul@users.sourceforge.net 2015-2022 Alexander Naumov alexander_naumov@opensuse.org 2015-2022 Amadeusz Sławiński amade@asmblr.net 1996 Ian Murdock imurdock@debian.org 1997 joost witteveen joosteto@gmail.com 1997-2001 Juan Cespedes cespedes@debian.org 2001-2003 Adam Lazur zal@debian.org 2007-2009 Jan Christoph Nordholz hesso@pool.math.tu-berlin.de 2011 Brian Kroth bpkroth@gmail.com 2011-2023 Axel Beckert abe@debian.org	Window manager that multiplexes a physical terminal
service	GPLv2.0+	0.91	Red Hat, Inc. Canonical Ltd., Dustin Kirkland	System service
systemd	GPLv2.0	4.4	Project: https://www.freedesktop.org/wiki/Software/systemd/ 2008-2015 Kay Sievers kay@vrfy.org 2010-2015 Lennart Poettering 2012-2015 Zbigniew Jędrzejewski-Szmek zbyszek@in.waw.pl 2013-2015 Tom Gundersen teg@jklm.no 2013-2015 Daniel Mack 2010-2015 Harald Hoyer 2013-2015 David Herrmann 2013, 2014 Thomas H.P. Andersen 2013, 2014 Daniel Buch 2014 Susant Sahani 2009-2015 Intel Corporation 2000, 2005 Red Hat, Inc. 2009 Alan Jenkins alan-jenkins@tuffmail.co.uk	System and service manager

Component Name	License	Version	Copyright notice / remarks	Comment
			2010 ProFUSION embedded systems	
			2010 Maarten Lankhorst	
			1995-2004 Miquel van Smoorenburg	
			1999 Tom Tromey	
			2011 Michal Schmidt	
			2012 B. Poettering	
			2012 Holger Hans Peter Freyther	
			2012 Dan Walsh	
			2012 Roberto Sassu	
			2013 David Strauss	
			2013 Marius Vollmer	
			2013 Jan Janssen	
			2013 Simon Peeters	
			2012 Jean-Philippe Aumasson	
			jeanphilippe.aumasson@gmail.com	
			2012 Daniel J. Bernstein djb@cr.yp.to	
			2011-2014 PLUMgrid	
			2001-2003 Sistina Software (UK) Limited.	
			2008 Ian Kent raven@themaw.net	
			1998 David S. Miller > davem@redhat.com >	
			2001 Jeff Garzik jgarzik@pobox.com	
			2006-2010 Johannes Berg < johannes@sipsolutions.net >	
			2008 Michael Wu flamingice@sourmilk.net	
			2008 Luis Carlos Cobo luisca@cozybit.com	
			2008 Michael Buesch m@bues.ch	
			2008, 2009 Luis R. Rodriguez lrodriguez@atheros.com	
			2008 Jouni Malinen jouni.malinen@atheros.com	
			2008 Colin McCabe colin@cozybit.com	
			2007 Oracle.	
			2009 Wolfgang Grandegger wg@grandegger.com	
			1999 Thomas Davis tadavis@lbl.gov	
			2015 Sabrina Dubroca sd@queasysnail.net	
			1999-2000 Maxim Krasnyansky max_mk@yahoo.com	
			2015-2019 Jason A. Donenfeld Jason@zx2c4.com	
			2012 Josh Triplett josh@joshtriplett.org	
			2003-2004 Greg Kroah-Hartman greg@kroah.com	
			2004 Chris Friesen chris_friesen@sympatico.ca	
			2004, 2009, 2010 David Zeuthen david@fubar.dk	
			2005, 2006 SUSE Linux Products GmbH	
			2003 IBM Corp.	
			2007 Hannes Reinecke hare@suse.de	
			2009 Canonical Ltd.	
			2009 Scott James Remnant scott@netsplit.com	
			2009 Martin Pitt martin.pitt@ubuntu.com	
			2009 Piter Punk piterpunk@slackware.com	
			2009 Filippo Argiolas filippo.argiolas@gmail.com	
			2010 Maxim Levitsky	
			2011 ProFUSION embedded systems	

Component Name	License	Version	Copyright notice / remarks	Comment
			2011 Karel Zak kzak@redhat.com	
			2014 Carlos Garnacho carlosg@gnome.org	
			2010-2013 Tollef Fog Heen tfheen@debian.org	
			2011 Josh Triplett josh@joshtriplett.org	
			2013-2014 Michael Stapelberg stapelberg@debian.org	
			2013-2020 Martin Pitt martin.pitt@ubuntu.com	
			2013-2022 Michael Biebl biebl@debian.org	
			2013 Daniel Schaal farbing@web.de	
			2013 Guido Günther agx@sigxcpu.org	
			2014-2015 Didier Roche didrocks@ubuntu.com	
			2014-2015 Marco d'Itri md@linux.it	
			2014-2017 Sjoerd Simons sjoerd.simons@collabora.co.uk	
			2014 Ansgar Burchardt ansgar@debian.org	
			2014 Jon Severinsson jon@severinsson.net	
			2015-2019 Felipe Sateler fsateler@debian.org	
			2015 Adam Conrad adconrad@debian.org	
			2015 Andreas Henriksson andreas@fatal.se	
			2015 Christian Seiler christian@iwakd.de	
			2015 Julian Wollrath jwollrath@web.de	
			2016-2018 Evgeny Vereshchagin evvers@ya.ru	
			2016,2018 Laurent Bigonville bigon@debian.org	
			2016-2019 Dimitri John Ledkov xnox@ubuntu.com	
			2016,2019 Michael Prokop mika@debian.org	
			2016 Alexander Kurtz alexander@kurtz.be	
			2016 Antonio Ospite ao2@ao2.it	
			2016 Iain Lane iain@orangesquash.org.uk	
			2016 Simon McVittie simon.mcvittie@collabora.co.uk	
			2017-2018 Nicolas Braud-Santoni nicolas@braud-santoni.eu	
			2017-2019 Martin Pitt mpitt@debian.org	
			2017 Cyril Brulebois kibi@debian.org	
			2017 Ondřej Nový onovy@debian.org	
			2018-2019 Mert Dirik mertdirik@gmail.com	
			2018 Adam Borowski kilobyte@angband.pl	
			2018 Alf Gaida agaida@siduction.org	
			2018 Benjamin Drung benjamin.drung@profitbricks.com	
			2018 Gunnar Hjalmarsson gunnarhj@ubuntu.com	
			2018 Manuel A. Fernandez Montecelo manuel.montezelo@gmail.com	
			2019-2021 Balint Reczey balint.reczey@canonical.com	
			2019-2021 Dan Streetman ddstreet@canonical.com	
			2019 Daniel Kahn Gillmor dkg@fifthhorseman.net	
			2020-2021 Helmut Grohne helmut@subdivi.de	
			2020 Topi Miettinen toiwoton@gmail.com	
			2020 Youfu Zhang zhangyoufu@gmail.com	
			2020 Zbigniew Jędrzejewski-Szmek zbyszek@in.waw.pl	
			2020 на6 nabijaczleweli@nabijaczleweli.xyz	
			2021-2022 Luca Boccassi bluca@debian.org	

Component Name	License	Version	Copyright notice / remarks	Comment
			2021-2022 Lukas Mårdian slyon@ubuntu.com 2021 Frantisek Sumsal frantisek@sumsal.cz 2021 Ioanna Alifieraki ioanna-maria.alifieraki@canonical.com 2021 Jan Kiszka jan.kiszka@web.de 2021 Matthias Klumpp matthias@tenstral.net 2021 Salvatore Bonaccorso carnil@debian.org	
startpar	GPLv2.0	0.58	Project: http://savannah.nongnu.org/projects/sysvinit 2003-2013 SuSE Linux AG 2014 Petter Reinholdtsen	Run processes in parallel and multiplex their output
syslog-ng	GPLv2.0+	3.3.5	Project: https://www.syslog-ng.com/products/open-source-log-management/ Balázs Scheidler BalaBit IT Security Ltd. Laszlo Budai Gergely Nagy Viktor Tusa Viktor Juhasz Nagy, Attila bra@fsn.hu Tibor Benke Tihamer Petrovics tihameri@gmail.com Peter Gyongyosi Péter Gyöngyösi Adam Arsenault Jonathan W. Marks j-marks@uiuc.edu Márton Illés	Next generation logging daemon
swupdate	GPLv2.0	2018.3.0	Project: https://github.com/sbabic/swupdate Fabio Estevam festevam@gmail.com 2019 Adrian Freihofer adrian.freihofer@siemens.com 2021 James Hilliard james.hilliard1@gmail.com 2021 Siemens AG 2017, 3mdeb 2020 Bosch Sicherheitssysteme GmbH 2021 Christian Storm christian.storm@siemens.com 2019, 2021 Laszlo Ashin laszlo@ashin.hu 2021 Pierre-Jean Texier pjtexier@koncepto.io 2016, Denis Osterland, Diehl Connectivity Solutions GmbH, Denis.Osterland@diehl.com. 2004-2013 Sergey Lyubka 2013-2022 Cesanta Software Limited 2004-2013 Sergey Lyubka 2013 DENX Software Engineering, Stefano Babic sbabic@denx.de 2017-2018 Weidmüller Interface GmbH & Co. KG, Stefan Herbrechtsmeier stefan.herbrechtsmeier@weidmueller.com 2012 Igor Afonov afonov@gmail.com 2021 Weidmueller Interface GmbH & Co. KG	Software update framework for embedded systems

Component Name	License	Version	Copyright notice / remarks	Comment
			2019, ChaN, all right reserved. 1994-2005 by Theodore Ts'o. 1999-2005 by Erik Andersen andersen@codepoet.org 2015-2017 Tomas Aparicio 1998, 2015 Todd C. Miller Todd.Miller@courtesan.com 2020, Linutronix GmbH 2022 Kyle Russell bkylerrussell@gmail.com 2001, Dave Jones 2005, Joel Schopp jschopp@austin.ibm.com 2008-2010 Andy Whitcroft apw@canonical.com 2010-2018 Joe Perches joe@perches.com 2002 Roman Zippel zippel@linux-m68k.org Savio Lam lam836@cs.cuhk.hk Stuart Herbert S.Herbert@sheffield.ac.uk Alessandro Rubini rubini@ipvvis.unipv.it William Roadcap roadcap@cfw.com 2002 Al Stone ahs3@fc.hp.com 2002 Hewlett-Packard Company 2002 Khalid Aziz khalid_aziz@hp.com 2002 Randy Dunlap rddunlap@osdl.org 2004-2013 Diego Nehab diego@impa.br 2002, Petr Baudis pasky@ucw.cz 2005, Arnaldo Carvalho de Melo acme@conectiva.com.br 2002-2003 Romain Lievin roms@tilp.info 2005-2009 Steven Rostedt 2011 ISEE 2007 SL, Javier Martinez Canillas martinez.javier@gmail.com Agusti Fontquerni Gorchs afontquerni@iseebcn.com 2009-2010 Wind River Systems, Inc. 2011 Linaro 2008 Nir Tzachar nir.tzachar@gmail.com 2002-2005 Sam Ravnborg sam@ravnborg.org 2002 Kai Gernaschewski kai.gernaschewski@gmx.de 1984-2012 Free Software Foundation, Inc. 1991, 1993 The Regents of the University of California 2021 Blueye Robotics AS 2016 Andres Babic andres.babic@gmail.com 2016 Gerd Altmann 2018 Jonathan Dieter jdieter@gmail.com 2019 SZ Lin (林上智) szlin@debian.org 2020-2022 Bastian Germann	
tar	GPLv3.0+	1.26	Project: https://www.gnu.org/software/tar/ Free Software Foundation, Inc. 2006, 2007 Bdale Garbee bdale@gag.com	Utility used to store, backup, and transport files
tcpdump	BSD-3	4.9.0	Project: https://www.tcpdump.org/ 2003 Bruce M. Simpson 1997 Yen Yen Lim and North Dakota State University	A tool for network monitoring and data acquisition

Component Name	License	Version	Copyright notice / remarks	Comment
			2001 Fortress Technologies and Charlie Lenahan 1997, 1998 The NetBSD Foundation, Inc. 1998 Michael Shalayeff Regents of the University of California 2002 Jason L. Wright 2000 Ben Smithurst 1995, 1996, 1997 Kungliga Tekniska Högskolan (Royal Institute of Technology, Stockholm, Sweden)	
			Fulvio Risso risso@polito.it Guy Harris guy@alum.mit.edu Hannes Gredler hannes@juniper.net Jun-ichiro itojun Hagino itojun@ijlab.net Michael Richardson mcr@sandelman.ottawa.on.ca Alan Bawden Alan@LCS.MIT.EDU Alexey Kuznetsov kuznet@ms2.inr.ac.ru Albert Chin china@thewrittenword.com Andrew Brown atatat@atadot.net Antti Kantee pooka@netbsd.org Arkadiusz Miskiewicz misiek@pld.org.pl Armando L. Caro Jr. acaro@mail.eecis.udel.edu Assar Westerlund assar@sics.se Brian Ginsbach ginsbach@cray.com Charles M. Hannum mycroft@netbsd.org Chris G. Demetriou cgd@netbsd.org Chris Pepper pepper@mail.reppep.com Darren Reed darrenr@reed.wattle.id.au David Kaelbling drk@sgi.com David Young dyoung@ojctech.com Don Ebright Don.Ebright@compuware.com Eric Anderson anderse@hpl.hp.com Franz Schaefer schaefer@mond.at Gianluca Varenni varenni@netgroup-serv.polito.it Gisle Vanem giva@bgnett.no Graeme Hewson ghewson@cix.compulink.co.uk Greg Stark gsstark@mit.edu Greg Troxel gdt@ir.bbn.com Guillaume Pelat endymion_@users.sourceforge.net Hyung Sik Yoon hsyn@kr.ibm.com Igor Khristophorov igor@atdot.org Jan-Philip Velders jpv@veldersjes.net Jason R. Thorpe thorpej@netbsd.org Javier Achirica achirica@ttd.net Jean Tourrilhes jt@hpl.hp.com Jefferson Ogata jogata@nodc.noaa.gov Jesper Peterson jesper@endace.com John Bankier jbankier@rainfinity.com br>Jon Lindgren jonl@yubyub.net	

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			Juergen Schoenwaelder schoenw@ibr.cs.tu-bs.de	
			Kazushi Sugyo sugyo@pb.jp.nec.com	
			Klaus Klein kleink@netbsd.org	
			Koryn Grant koryn@endace.com	
			Krzysztof Halasa khc@pm.waw.pl	
			Lorenzo Cavallaro sullivan@sikurezza.org	
			Loris Degioanni loris@netgroup-serv.polito.it	
			Love Hörnquist-Åstrand lha@stacken.kth.se	
			Maciej W. Rozycki macro@ds2.pg.gda.pl	
			Marcus Felipe Pereira marcus@task.com.br	
			Martin Husemann martin@netbsd.org	
			Mike Wiacek mike@iroot.net	
			Monroe Williams monroe@pobox.com	
			Octavian Cerna tavy@ylabs.com	
			Olaf Kirch okir@caldera.de	
			Onno van der Linden onno@simplex.nl	
			Paul Mundt lethal@linux-sh.org	
			Pavel Kankovsky kan@dcit.cz	
			Peter Fales peter@fales-lorenz.net	
			Peter Jeremy peter.jeremy@alcatel.com.au	
			Phil Wood cpw@lanl.gov	
			Rafal Maszkowski rzm@icm.edu.pl	
			Rick Jones raj@cup.hp.com	
			Scott Barron sb125499@ohiou.edu	
			Scott Gifford sgifford@tir.com	
			Sebastian Kraemer kraemer@cs.uni-potsdam.de	
			Shaun Clowes delius@progsoc.uts.edu.au	
			Solomon Peachy pizza@shaftnet.org	
			Stefan Hudson hudson@mbay.net	
			Takashi Yamamoto yamt@mwd.biglobe.ne.jp	
			Tony Li tli@procket.com	
			Torsten Landschoff torsten@debian.org	
			Uns Lider unslider@miranda.org	
			Uwe Girlich Uwe.Girlich@philosys.de	
			Xianjie Zhang xzhang@cup.hp.com	
			Yen Yen Lim	
			Yoann Vandoorselaere yoann@prelude-ids.org	
			Steve McCanne	
			Craig Leres	
			Van Jacobson	

Component Name	License	Version	Copyright notice / remarks	Comment
time	GPLv2.0	1.7	Project: https://www.gnu.org/software/time/ 1987-2018 Free Software Foundation, Inc. 1995 Peter Tobias tobias@et-inf.fho-empden.de Copyright 1995-2004 Dirk Eddebuettel edd@qed.econ.queensu.ca 2005, 2008 Tollef Fog Heen tfheen@debian.org 2010 Salvatore Bonaccorso salvatore.bonaccorso@gmail.com Copyright 2012 Bob Proulx bob@proulx.com	utility to measure execution time
u-boot	GPLv2.0- or-later OFL-1.1 BSD-2- Clause BSD-3- Clause eCos-2.0 IBM-pibs ISC LGPLv2.0- only LGPL- 2.1-only X11	2016-09	Project: http://www.denx.de/wiki/U-Boot/ 2000-2013 Wolfgang Denk wd@denx.de 1995-2002 Russell King 1996-1998 Russell King 1996-1999 Russell King 1996-2000 Russell King 1996 Russell King 1997-1999 Russell King 1999-2002 Vojtech Pavlik 1999 Linus Torvalds / 2000-2002 Transmeta Corporation 1999 Russell King 2000-2002 Russell King 2000-2010 David Woodhouse dwmw2@infradead.org 2000 Steven J. Hill (sjhill@realitydiluted.com) 2001, 2002, 2003 / 2004 Gary Jennejohn garyj@denx.de 2002-2007 Aleph One Ltd 2002-2011 Aleph One Ltd 2002 Thomas Gleixner (tglx@linutronix.de) 2003 Kai-Uwe Bloem / 2000-2002 Transmeta Corporation / 1999 Linus Torvalds 2004 by David Brownell 2004 Nokia Corporation 2004 Thomas Gleixner (tglx@linutronix.de) 2005-2006 by Texas Instruments 2005-2006 by Texas Instruments / 2005 Mentor Graphics Corporation / 2006-2007 Nokia Corporation 2005-2007 Samsung Electronics 2005-2007 Samsung Electronics / Samsung Electronics, 2009 / Nokia Corporation, 2007 2005-2008 Samsung Electronics 2005 Mentor Graphics Corporation / 2005-2006 by Texas Instruments / 2006-2007 Nokia Corporation 2005 Mentor Graphics Corporation / 2005-2006 by Texas Instruments / 2008-2009 MontaVista Software, Inc. source@mvista.com / 2006-2007 Nokia Corporation 2005, Seagate Technology LLC / 2008 Stefan Roeser sr@denx.de , DENX Software Engineering	u-boot bootloader

Component Name	License	Version	Copyright notice / remarks	Comment
			2006-2007 Nokia Corporation / 2005-2006 by Texas Instruments / 2005 Mentor Graphics Corporation	
			2006-2007 Nokia Corporation / 2005 Mentor Graphics Corporation / 2005-2006 by Texas Instruments	
			2006-2007 Nokia Corporation / 2005 Mentor Graphics Corporation / 2005-2006 by Texas Instruments / 2008-2009 MontaVista Software, Inc. source@mvista.com	
			2006, 2007 University of Szeged, Hungary / 2006-2008 Nokia Corporation	
			2006-2008 Nokia Corporation	
			2006,2009 Freescale Semiconductor, Inc	
			2006-2009 Solarflare Communications Inc	
			2006 Freescale Semiconductor, Inc	
			2006 Nokia Corporation / 2005-2007 by Texas Instruments	
			2006 Pavel Pisa, PiKRON ppisa@pikron.com / 2008 Sascha Hauer, Pengutronix s.hauer@pengutronix.de / 2009 Ilya Yanok, yanok@emcraft.com	
			2006 Thomas Gleixner tglx@linutronix.de	
			2007-2011 Freescale Semiconductor, Inc	
			2007 Freescale Semiconductor, Inc	
			2008-2009 / 2006-2008 Nokia Corporation	
			2008-2009 Freescale Semiconductor, Inc	
			2008-2009, MontaVista Software, Inc. source@mvista.com / 2010, by Texas Instruments	
			2008,2009 STMicroelectronics / 2010 Joakim Axelsson joakim.axelsson@stericsson.com / 2009 Alessandro Rubini rubini@unipv.it	
			2008-2010 / 2006-2008 Nokia Corporation	
			2008-2011 Freescale Semiconductor, Inc	
			2008, 2011 Freescale Semiconductor, Inc	
			2008,2011 Freescale Semiconductor, Inc	
			2008-2012 Freescale Semiconductor, Inc	
			2008 Altera Corporation / 2010 Thomas Chou thomas@wytron.com.tw	
			2008 Atmel Corporation / 2013 Jagannadha Sutradharudu Teki, Xilinx Inc	
			2008 by Texas Instruments / 2008 Mentor Graphics Corporation	
			2008 Dave S.r.l. < www.dave.eu >	
			2008 Extreme Engineering Solutions, Inc	
			2008 Freescale Semiconductor, Inc	
			2008 Jean-Christophe PLAGNIOL-VILLARD plagnioj@jcrosoft.com / 2004-2007 ARM Limited	
			2008 Kim B. Heino / 2009	
			2008 Qstreams Networks, Inc	
			2008 Samsung Electronics / 2008-2009 Stefan Roese sr@denx.de , DENX Software Engineering	
			2008 STMicroelectronics / 2010 Joakim Axelsson	

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			joakim.axelsson@stericsson.com / 2009 Alessandro Rubini rubini@unipv.it	
			2008 Yoshihiro Shimoda shimoda.yoshihiro@renesas.com	
			2009-2010 eXMeritus, A Boeing Company / 2008-2009 Freescale Semiconductor, Inc	
			2009-2010 Freescale Semiconductor, Inc	
			2009-2010 Texas Instruments, Inc	
			2009-2011 Freescale Semiconductor, Inc	
			2009 coresystems GmbH	
			2009 Freescale Semiconductor, Inc	
			2009 Micrel Inc / 2011 Bticino s.p.a, Roberto Cerati roberto.cerati@bticino.it	
			2009 MontaVista Software, Inc. source@mvista.com / 2006- 2007 Nokia Corporation / 2005-2006 by Texas Instruments / 2005 Mentor Graphics Corporation	
			2010-2011 Freescale Semiconductor, Inc	
			2010-2011 NVIDIA Corporation	
			2010-2012 NVIDIA Corporation	
			2010-2013 NVIDIA Corporation	
			2010 Broadcom / 2012 Oleksandr Tymoshenko / 2012 Stephen Warren	
			2010 NISHIMOTO Hiroki / 2010 Renesas Solutions Corp	
			2010 Thomas Chou thomas@wytron.com.tw	
			2010, Thomas Chou thomas@wytron.com.tw	
			2010 Thomas Chou thomas@wytron.com.tw / 2008-2009 Avionic Design GmbH / 2007-2008 Avionic Design Development GmbH	
			2010 Thomas Chou thomas@wytron.com.tw / 2008 Altera Corporation	
			2011-2012 Renesas Solutions Corp	
			2011 - 2012 Samsung Electronics / 2003-2006, Cluster File Systems, Inc, info@clusterfs.com	
			2011 Analog Devices Inc	
			2011 Freescale Semiconductor, Inc	
			2011 Infineon Technologies	
			2011 Ivan Djelic ivan.djelic@parrot.com	
			2011 Macpaul Lin (macpaul@andestech.com) / 2011 Andes Technology Corporation / 1995-2002 Russell King / 2010 Shawn Lin (nobuhiro@andestech.com)	
			2011 Macpaul Lin (macpaul@andestech.com) / 2011 Andes Technology Corporation / 1996-1998 Russell King / 2010 Shawn Lin (nobuhiro@andestech.com)	
			2011 Macpaul Lin (macpaul@andestech.com) / 2011 Andes Technology Corporation / 2010 Shawn Lin (nobuhiro@andestech.com)	
			2011 Maxim Integrated Products	
			2011 Parrot S.A	
			2011 Renesas Solutions Corp	

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			2011 Renesas Solutions Corp / 2011 Kuninori Morimoto kuninori.morimoto.gx@renesas.com	
			2011 The ChromiumOS Authors. All rights reserved	
			2012-2013 Stephen Warren	
			2012, by Texas Instruments	
			2012, Google Inc	
			2012 Renesas Solutions Corp	
			2012 Samsung Electronics Co., Ltd	
			2012 Stephen Warren	
			2012 Texas Instruments Incorporated - http://www.ti.com/	
			2013 Synopsys, Inc. (www.synopsys.com)	
			2013 Texas Instruments, Inc	
			2013, Boundary Devices info@boundarydevices.com	
			2006 David Gibson, IBM Corporation	
			2012 Kim Phillips, Freescale Semiconductor	
			2010-2013 Freescale Semiconductor, Inc	
			2013 Marek Vasut marex@denx.de	
			2010-2011 Freescale Semiconductor, Inc	
			2004 Patrik Kluba	
			1996-2002 Markus Franz Xaver Johannes Oberhumer	
			2013 NVIDIA Corporation	
			2011 The Chromium OS Authors	
			2013 Samsung Electronics	
			2013, Adeneo Embedded < www.adeneo-embedded.com >	
			2009, Texas Instruments, Incorporated	
			Clint Adams clint@debian.org	
			Joey Hess joeyh@debian.org	
			Marc Singer elf@debian.org	
			Per Andersson avtobiff@gmail.com	
			Vagrant Cascadian vagrant@debian.org	
			Loïc Minier lool@debian.org	
			Adam Borowski kilobyte@angband.pl	
			2002-2011 Aleph One Ltd.	
			2003-2006 Christophe Devine	
			1996-2002 Julian R Seward. All rights reserved.	
			2005 Mentor Graphics Corporation	
			2005-2006 by Texas Instruments	
			2006-2007 Nokia Corporation	
			2008-2009 MontaVista Software, Inc. source@mvista.com	
			2008 Pieter Voorthuisen pieter.voorthuisen@prodrive.nl	
			2004-2005 Sergey Lyubka valenok@gmail.com	
			2009 Robin Getz rgetz@blackfin.uclinux.org	
			2006 David Gibson, IBM Corporation	
			2006 David Gibson, IBM Corporation	
udev	GPLv2.0	175-7.2	Project: https://www.freedesktop.org/wiki/Software/systemd/	/dev/ and hotplug management daemon

util-linux Component Name	GPLv3.0- License or-later	2.20.1 Version	Copyright notice / remarks	പ്രവീണി A Comment
	AND		Project: https://git.kernel.org/cgit/utis/util-linux/util-linux.git	
	GPLv2.0- or-later		Michal Luscon miluscon@redhat.com	
	AND		1986 Gary S. Brown	
	GPLv2.0- only AND		1990 Gordon Irlam (gordoni@cs.ua.oz.au)	
	GPL-1.0- only AND		1991, 1992 Linus Torvalds	
	LGPL-2.1- or-later		1991-2004 Miquel van Smoorenburg	
	AND		1992 A. V. Le Blanc (LeBlanc@mcc.ac.uk)	
	LGPL-1.0- only AND		1992-1997 Michael K. Johnson, johnsonm@redhat.com	
	BSD-1- Clause		1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2008 Theodore Ts'o tytso@mit.edu	
	AND BSD- 3-Clause		1994 Kevin E. Martin (martin@cs.unc.edu)	
	AND BSD- 4-Clause		1994 Salvatore Valente svalente@mit.edu	
	UC AND		1994,1996 Alessandro Rubini (rubini@ipvis.unipv.it)	
	MIT AND		1994-2005 Jeff Tranter (tranter@pobox.com)	
	Public- Domain		1995, 1999, 2000 Andries E. Brouwer aeb@cw.nl	
			1997-2005 Frodo Looijaard frodo@frodo.looijaard.name	
			1998 Danek Duvall duvall@alumni.princeton.edu	
			1999 Andreas Dilger	
			1999-2002 Transmeta Corporation	
			1999, 2000, 2002-2009, 2010, 2011, 2012, 2014 Red Hat, Inc.	
			2000 Werner Almesberger	
			2004-2006 Michael Holzt, kju-at-fqdn.org	
			2005 Adrian Bunk	
			2007-2020 Karel Zak kzak@redhat.com	
			2007, 2011, 2012, 2016 SuSE LINUX Products GmbH	
			2008 Cai Qian qcai@redhat.com	
			2008 Hayden A. James (hayden.james@gmail.com)	
			2008 James Youngman jay@gnu.org	
			2008 Roy Peled, the.roy.peled-at-gmail.com	
			2009 Mikhail Gusarov dottedmag@dottedmag.net	
			2010, 2011, 2012 Davidlohr Bueso dave@gnu.org	
			2010 Jason Borden jborden@bluehost.comA	
			2010 Hajime Taira htaira@redhat.com	
			2010 Masatake Yamato yamato@redhat.com	
			2011 IBM Corp.	
			2012 Andy Lutomirski luto@amacapital.net	
			2012 Lennart Poettering	
			2012 Sami Kerola kerolasa@iki.fi	
			2012 Cody Maloney cmaloney@theoreticalchaos.com	
			2012 Werner Fink werner@suse.de	
			2013,2014 Ondrej Oprala ooprala@redhat.com	
			2005 Jens Axboe jens@axboe.dk	
			2004 Robert Love rml@tech9.net	
			2010 Karel Zak kzak@redhat.com	
			1999, 2000, Red Hat Software	
			Steven M. Bellovin smb@research.att.com	
			Unknown Authors on Usenet	

Component Name	License	Version	Copyright notice / remarks	Comment
			1990 Rich \$alz rsalz@bbn.com	
			1990 Jim Berets jberets@bbn.com	
			1999, 2004 Paul Eggert eggert@twinsun.com	
			2012-2013 Eric Biederman ebiederm@xmission.com	
			1991, 1992 Linus Torvalds	
			1980, 1983, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994 The Regents of the University of California	
			2014 Sami Kerola kerolasa@iki.fi	
			2014 Karel Zak kzak@redhat.com	
			2003-2005 H. Peter Anvin	
			2000-2001 Gunnar Ritter	
			1980, 1987, 1988 The Regents of the University of California.	
			2011 Karel Zak kzak@redhat.com	
			2003, 2004, 2005 Thorsten Kukuk	
			1996, 1997, 1998, 1999, 2007 Theodore Ts'o.	
			1999 Andreas Dilger (adilger@enel.ucalgary.ca)	
			2010, 2011 Davidlohr Bueso dave@gnu.org	
			2012 Ondrej Oprala ooprala@redhat.com	
			2012-2014 Karel Zak kzak@redhat.com	
			1994 Martin Schulze joey@infodrom.north.de	
			1994 Salvatore Valente svalente@mit.edu	
			2007-2013 Karel Zak kzak@redhat.com	
			2012 Davidlohr Bueso dave@gnu.org	
			2008-2009, 2010, 2011, 2012 Karel Zak kzak@redhat.com	
			2009-2010 Free Software Foundation, Inc.	
			2010-2013 Karel Zak kzak@redhat.com	
			2010 Lennart Poettering	
			2008 Karel Zak kzak@redhat.com	
			1999-2008 by Theodore Ts'o	
			1999, 2001 Andries Brouwer	
			1995, 1995, 1996, 1997, 1999, 2000, 2001, 2002, 2003, 2004 Theodore Ts'o.	
			2001 Andreas Dilger (adilger@turbolinux.com)	
			2004-2008 Kay Sievers kay.sievers@vrfy.org	
			2008-2013 Karel Zak kzak@redhat.com	
			2009 Bastian Friedrich bastian.friedrich@collax.com	
			2009 Corentin Chary corentincj@iksaif.net	
			2009 Mike Hommey mh@glandium.org	
			2009 Red Hat, Inc.	
			2009-2010 Andreas Dilger adilger@sun.com	
			2010 Andrew Nayenko resver@gmail.com	
			2010 Jeroen Oortwijn oortwijn@gmail.com	
			2010 Jiro SEKIBA jir@unicus.jp	
			2011 Philipp Marek philipp.marek@linbit.com	
			2012 Milan Broz mbroz@redhat.com	
			2013 Alejandro Martinez Ruiz alex@nowcomputing.com	

Component Name	License	Version	Copyright notice / remarks	Comment
			2013 Eric Sandeen sandeen@redhat.com	
			2013 Rolf Fokkens rolf@fokkens.nl	
			2013 Zeeshan Ali (Khattak) zeeshanak@gnome.org	
			2001 Andreas Dilger	
			2008-2012 Karel Zak kzak@redhat.com	
			2013, Red Hat, Inc.	
			2009-2014 Karel Zak kzak@redhat.com	
			2014 Ondrej Oprala ooprala@redhat.com	
			Guy Maor maor@debian.org	
			Sean 'Shaleh' Perry shaleh@debian.org	
			Adrian Bunk bunk@stusta.de	
			LaMont Jones lamont@debian.org	
			1996-2003 Martin Mitchell (martin@debian.org)	
			2008-2012 Frank Lichtenheld (djpig@debian.org)	
			2014 Andreas Henriksson andreas@fatal.se	
			2017-2020 Michael Biebl biebl@debian.org	
			2019 Petter Reinholdtsen pere@debian.org	
			2017-2020 Chris Hofstaedtler zaha@debian.org	
			Aiet Kolkhi aietkolkhi@gmail.com	
			Anton Gladky gladky.anton@gmail.com	
			Arief S F (arief@gurame.fisika.ui.ac.id)	
			Armin Beširović armin@linux.org.ba	
			astur malditoastur@gmail.com	
			Axel Bojer axelb@skolelinux.no	
			Bart Cornelis cobaco@skolelinux.no	
			Bartosz Feński fenio@o2.pl	
			Basil Shubin bashu@surgut.ru	
			Baurzhan Muftakhidinov baurthefirst@gmail.com	
			Bjorn Steensrud bjornst@powertech.no	
			Claus Hindsgaul claus_h@image.dk	
			Clytie Siddall clytie@riverland.net.au	
			Dafydd Tomos l10n@da.fydd.org	
			Damyán Ivanov dam@modsoftsys.com	
			Daniel Franganillo dfranganillo@gmail.com	
			Daniel Nylander po@danielnylander.se	
			Danishka Navin danishka@gmail.com	
			Dauren Sarsenov daur88@inbox.ru	
			Dominik Zaboltny dominz@wp.pl	
			Dr.T.Vasudevan agnihot3@gmail.com	
			Eddy Petrisor eddy.petrisor@gmail.com	
			Eder L. Marques frolic@debian-ce.org	
			Elian Myftiu elian.myftiu@gmail.com	
			Emmanuel Galatoulas galas@tee.gr	
			Esko Arajärvi edu@iki.fi	
			Frank Lichtenheld djpig@debian.org	
			Frédéric Bothamy frederic.bothamy@free.fr	
			Gabor Burjan buga@buvoshetes.hu	
			George Papamichelakis george@step.gr	

Component Name	License	Version	Copyright notice / remarks	Comment
			Hans Fredrik Nordhaug hans@nordhaug.priv.no	
			Håvard Korsvoll korsvoll@gmail.com	
			Hideki Yamane henrich@samba.gr.jp	
			Hleb Rubanau g.rubanau@gmail.com	
			I Gede Wijaya S gwijayas@yahoo.com	
			Ivan Masár helix84@centrum.sk	
			Jacobo Tarrío jtarrío@debian.org	
			Jamil Ahmed jamil@ankur.org.bd	
			Janos Guljas janos@resenje.org	
			Jordi Mallach jordi@debian.org	
			Josip Rodin joy+ditrans@linux.hr	
			Karolina Kalic karolina@resenje.org	
			Kartik Mistry kartik.mistry@gmail.com	
			Kęstutis Biliūnas kebil@kaunas.init.lt	
			Kevin Scannell kscanne@gmail.com	
			Khoem Sokhem khoemsokhem@khmeros.info	
			Klaus Ade Johnstad klaus@skolelinux.no	
			Knut Yrvin knuty@skolelinux.no	
			Konstantinos Margaritis markos@debian.org	
			Kostas Papadimas pkst@gnome.org	
			Kumar Appaiah a.kumar@alumni.iitm.ac.in	
			Lior Kaplan kaplan@debian.org	
			Luiz Portella lfpor@lujz.org	
			Mallikarjuna Mallikarjunasj@gmail.com	
			Mert Dirik mertdirik@gmail.com	
			Milo Casagrande milo@ubuntu.com	
			Ming Hua minghua@ubuntu.com	
			Miroslav Kure kurem@debian.cz	
			Mouhamadou Mamoune Mbacke mouhamadoumamoune@gmail.com	
			Nabin Gautam nabin@mpp.org.np	
			Ossama M. Khayat okhayat@yahoo.com	
			Ovidiu Damian deelerious@gmail.com	
			Parlin Imanuel Toh parlin_i@yahoo.com	
			Pavel Piatruk berserker@neolocation.com	
			Piarres Beobide pi@beobide.net	
			Praveen	

Component Name	License	Version	Copyright notice / remarks	Comment
			Project: https://linux-usb.sourceforge.net/ Greg Kroah-Hartman gregkh@suse.de 2016 Stephan Linz linz@li-pro.net 1999, 2000 Thomas Sailer (sailer@ife.ee.ethz.ch) 1999-2001, 2003 Thomas Sailer (t.sailer@alumni.ethz.ch) 1999 Thomas Sailer sailer@ife.ee.ethz.ch 2003-2005 David Brownell 2003 Aurelien Jarno (aurelien@aurel32.net) 2004 Frans Pop elendil@planet.nl 2004 Greg Kroah-Hartman greg@kroah.com 2004 Randy Dunlap rdunlap@xenotime.net 2004 Thomas Sailer sailer@ife.ee.ethz.ch 2005-2006 David Brownell dbrownell@users.sourceforge.net 2009,2010 Greg Kroah-Hartman gregkh@suse.de 2009-2010 Nikolai Kondrashov	
usbutils	GPLv2.0+	0.0.5	2009-2016 Alan Stern 2009 Frans Pop elendil@planet.nl 2009 Greg Kroah-Hartman gregkh@suse.de 2009 Greg Kroah-Hartman greg@kroah.com 2009 Kay Sievers kay.sievers@vrfy.org 2009 Kurt Garloff garloff@suse.de 2009 Randy Dunlap rdunlap@xenotime.net 2010-2011 Nikolai Kondrashov 2010 Nikolai Kondrashov spbnick@gmail.com 2010 Nikolai Kondrashov 2010 Nikolai Kondrashov 2013,2018 Kurt Garloff kurt@garloff.de 2013 Tom Gundersen (teg@jklm.no) 2013 Tom Gundersen teg@jklm.no 2017-2018 Michael Drake michael.drake@codethink.co.uk 2017 Michael Drake michael.drake@codethink.co.uk 2018 Greg Kroah-Hartman gregkh@linuxfoundation.org	USB Device Utilities
v4l-utils	GPLv2.0+	0.8.8	Project: https://linuxtv.org/	Userspace tools and conversion library for Video 4 Linux
wget	GPLv3.0+ WITH OpenSSL- Exception	1.13.4	Project: https://www.gnu.org/software/wget/wget.html Free Software Foundation, Inc.	Network utility to retrieve files from the Web

Component Name	License	Version	Copyright notice / remarks	Comment
xz	GPLv2.0+ AND Public-Domain AND LGPLv2.1+	5.1.0	<p>Project: https://xz.tukaani.org/xz-utils/</p> <p>2006-2018, Lasse Collin</p> <p>1999-2008, Igor Pavlov</p> <p>2006, Ville Koskinen</p> <p>1998, Steve Reid</p> <p>2000, Wei Dai</p> <p>2003, Kevin Springle</p> <p>2009, Jonathan Nieder</p> <p>2010, Anders F Björklund</p> <p>2009-2010, Lasse Collin</p> <p>1993, Jean-loup Gailly</p> <p>1989-1994, 1996-1999, 2001-2007, Free Software Foundation, Inc.</p> <p>2006 Timo Lindfors</p> <p>2005, Charles Levert</p> <p>2005, 2009, Lasse Collin</p> <p>2009, Andrew Dudman</p> <p>2009, Andrew Dudman</p> <p>2009, Lasse Collin</p> <p>Paul Eggert, Ulrich Drepper</p> <p>Daniel Mealha Cabrita</p> <p>1987-2007 Free Software Foundation, Inc.</p> <p>Ulrich Drepper</p> <p>Bruno Haible, Paul Eggert</p> <p>2008, Steven G. Johnson stevenj@alum.mit.edu</p> <p>2014, Google Inc.</p> <p>2015, Lasse Collin lasse.collin@tukaani.org</p> <p>1997-2007 by Dimitri van Heesch</p> <p>2010, Marek Černocký</p> <p>2010, Andre Noll</p> <p>2011, Adrien Nader</p> <p>2009-2012, Jonathan Nieder</p> <p>2009, 2010, Gruppo traduzione italiano di Ubuntu-it</p> <p>2010, Lorenzo De Liso</p> <p>2009, 2010, 2011, Milo Casagrande</p> <p>2011, Jakub Bogusz</p> <p>Roland McGrath, Akim Demaille, Paul Eggert, David Mackenzie, Bruno Haible, and many others.</p>	Library and CLI tools for XZ and LZMA compressed file
zip	Info-ZIP	3.0	<p>Project: http://www.info-zip.org/pub/infozip/Zip.html</p> <p>1990-2007 Info-ZIP. All rights reserved.</p>	Creates PKZIP-compatible .zip files
zlib	Zlib	1.2.7	<p>Project: https://zlib.net/</p> <p>1995-2013 Jean-loup Gailly and Mark Adler</p> <p>1998 by Andreas R. Kleinert</p> <p>1998-2010 Gilles Vollant</p> <p>2007-2008 Even Rouault</p> <p>2009-2010 Mathias Svensson</p> <p>2000-2017 Mark Brown</p>	A compression/decompression Library

Component Name	License	Version	Project: http://sourceforge.net/projects/e2fsprogs Copyright notice / remarks	ext2/ext3/ext4 file system libraries Comment
			1993-2018 Theodore Ts'o tytso@mit.edu	
			1997-2003 Yann Dirson dirson@debian.org	
			2001 Alcove http://www.alcove.com/	
			1997 Klee Dienes	
			1995-1996 Michael Nonweiler mrn20@cam.ac.uk	
			Laboratoire MASI, Institut Blaise Pascal	
			Universite Pierre et Marie Curie (Paris VI)	
			2001 Andreas Gruenbacher, a.gruenbacher@computer.org	
			2007 IBM Corporation	
			2010 Red Hat, Inc., Lukas Czerner lczerner@redhat.com	
			2014 Oracle	
			2012 Zheng Liu wenqing.lz@taobao.com	
			2012 Intel Corporation	
			2001 Daniel Phillips	
			2002 Andreas Dilger	
			2006 Cluster File Systems, Inc.	
			2006, 2007 by Andreas Dilger adilger@clusterfs.com	
			2003,2004 Cluster File Systems, Inc info@clusterfs.com	
			2003 VMware, Inc.	
			2015 Jan Kara	
			2018 Collabora Ltd.	
			1997 Mark Habersack	
			2011 Whamcloud, Inc.	
			2004 Sam Hocevar sam@hocevar.net	
			2014 Google Inc.	
			1998 Andrey Shedel andreys@ns.cr.cyco.com	
			1999-2005 Andrew Tridgell	
			2000-2006 Jeremy Allison	
			2000 Paul Rusty Russell	
			1999-2000 Andrew Tridgell	
			2000 Jeremy Allison	
			2001 Andrew Esh	
			1998-2000 Red Hat, Inc	
			2014 SGI	
			2018 Collabora Ltd.	
			2005 Ben Gardner bgardner@wabtec.com	
			2011 Darrick J. Wong djwong@us.ibm.com	
			2011 Bob Pearson rpearson@systemfabricworks.com	
			2000 Matt Domsch Matt_Domsch@dell.com	
			2000 Matt Domsch Matt_Domsch@dell.com	
			1999 Andreas Dilger adilger@enel.ucalgary.ca	
			2008 Red Hat, Inc. All rights reserved.	
			2003-2005 Silicon Graphics, Inc.	
			1994 Ulrich Windl Ulrich.Windl@rz.uni-regensburg.de	
			2007, 2016 The Android Open Source Project	
			1999-2000 Red Hat Software	
			2000 Red Hat corp	
			2001 Red Hat, Inc.	
			2000 Stephen C. Tweedie	
			2000 Andreas Dilger	

Component Name	License	Version	Copyright notice / remarks	Comment
			2014 Oracle 2019 Google LLC 1985-2015 Free Software Foundation, Inc. 1995 Gadi Oxman 2004-2006 Kern Sibbald 2014 Adam Kropelin Lukas Czerner lczerner@redhat.com 1999, 2001 by Andries Brouwer 2001 Andreas Dilger 2014 Robert Yang liezhi.yang@windriver.com 2009 Sun Microsystems, Inc. 2007 IBM Corporation Akira Fujita a-fujita@rs.jp.nec.com Takashi Sato t-sato@yk.jp.nec.com 2014 Oracle 2014 Google, Inc. 1992-1994 Remy Card card@masi.ibp.fr Laboratoire MASI, Institut Blaise Pascal Universite Pierre et Marie Curie (Paris VI) 1999 by David Beattie Linus Torvalds Linus.Torvalds@cs.helsinki.fi 1985-2005 by the Massachusetts Institute of Technology. All rights reserved. 1997 Kaz Kylheku kaz@ashi.footprints.net	
diffutils	GPLv3.0+	3.2	Project: https://www.gnu.org/software/diffutils/ Free Software Foundation, Inc. 2018 Nylon Chen nylon7@andestech.com 2003-2006 Paolo Bonzini bonzini@gnu.org 1994 X Consortium 2022 Santiago Vila	Show differences among files
sqlite3	public domain	3.16.2	Project: https://www.sqlite.org/ D. Richard Hipp drh@hwaci.com 2006 Laszlo Boszormenyi (GCS) gcs@debian.org 2005-2006 Tomas Fasth tomfa@debian.org 2001-2005 Andreas Rottmann rotty@debian.org 2018 Yuriy M. Kaminskiy Aq.yumkam+debian@gmail.com D. Richard Hipp drh@hwaci.com Jan Palus atler@pld-linux.org	C library that implements an SQL database engine

Component Name	License	Version	Copyright notice / remarks	Comment
iptables	GPLv2.0 or later	1.8.6	<p>Project: https://www.netfilter.org/projects/iptables/index.html</p> <p>2000-2002, the netfilter coreteam coreteam@netfilter.org</p> <p>Paul 'Rusty' Russell rusty@rustcorp.com.au</p> <p>Marc Boucher marc+nf@mbsi.ca</p> <p>James Morris jmorris@intercode.com.au</p> <p>Harald Welte laforge@gnumonks.org</p> <p>Jozsef Kadlec kadlec@blackhole.kfki.hu</p> <p>2003 Chris Vitale csv@bluetail.com</p> <p>2002 Bart De Schuymer bdschuym@pandora.be</p> <p>2003 Tom Marshall tommy@home.tig-grr.com</p> <p>2008 Peter Warasin peter@endian.com</p> <p>2011, Patrick McHardy kaber@trash.net</p> <p>2006, USAGI/WIDE Project</p> <p>2010-2011, Thomas Graf tgraf@redhat.com</p> <p>2010-2011, Red Hat, Inc.</p> <p>2002, 2004, MARA Systems AB</p> <p>http://www.marasystems.com by Henrik Nordstrom</p> <p>hno@marasystems.com</p> <p>2000-2002, Matthew G. Marsh mgm@paktronix.com</p> <p>2012, Hans Schillstrom hans.schillstrom@ericsson.com</p> <p>2012, Pablo Neira Ayuso pablo@netfilter.org</p> <p>2010, Nokia Corporation</p> <p>2008, Adam Nielsen a.nielsen@shikadi.net</p> <p>2000-2002, Joakim Axelsson gozem@linux.nu</p> <p>Patrick Schaaf bof@bof.de</p> <p>Martin Josefsson gandalf@wlug.westbo.se</p> <p>2007, Sven Schnelle svens@bitebene.org</p> <p>2007, CC Computer Consultants GmbH</p> <p>2007, Sebastian Claßen sebastian.classen@freenet.ag</p> <p>2007-2010, Jan Engelhardt <jengelh@medozas.de></p> <p>2002-2008, BalaBit IT Ltd.</p> <p>2013, Google, Inc.</p> <p>2001, Marc Boucher (marc@mbsi.ca).</p> <p>2003+, Evgeniy Polyakov zbr@ioremap.net</p> <p>2000, Emmanuel Roger winfield@freegates.be</p> <p>1999, David Jeffery</p> <p>2006, Martin F. Krafft madduck@madduck.net</p> <p>2010, GW <gw.2010@tnode.com or http://gw.tnode.com/></p> <p>2006, Ufo Mechanic azez@ufomechanic.net</p> <p>2013 Giuseppe Longo giuseppelng@gmail.com</p> <p>2013 Tomasz Bursztyka tomasz.bursztyka@linux.intel.com</p> <p>2008, Jesper Dangaard Brouer hawk@comx.dk</p> <p>2000-2003, Michal Zalewski lcamtuf@coredump.cx</p> <p>2003, Mike Frantzen frantzen@w4g.org</p>	Linux kernel firewall, NAT and packet mangling tools

Component Name	License	Version	Copyright notice / remarks	Comment
tree	GPLv2.0 or later	2.1.1	Project: https://oldmanprogrammer.net/source.php?dir=projects/tree 1996-2022, Steve Baker (ice@mama.indstate.edu) 1997, 2002, 2005, Free Software Foundation, Inc. 2004-2022, Florian Ernst florian@debian.org	Recursive directory indented listing of files
asterisk	GPLv2.0	18.7.1	Project: https://www.asterisk.org/ 2003-2006 Aheeva Technology 2015-2016 Alexander Traud pabstraud@compuserve.com 2019 Alexei Gradinari alex2grad@gmail.com 2004-2006 Andy Powell 1999-2010 Anthony Minessale II anthmct@yahoo.com 2009 Attila Domjan attila.domjan.hu@gmail.com 2005 Attractel OOD 2004-2006 Ben Kramer ben@voicetronix.com.au 1999-2006 Brett Bryant bbryant@digium.com 2005-2007 Cedric Hans cedric.hans@mlkj.net 2015-2018 CFWare, LLC 2004-2006 Christian Richter crich@beronet.com 2002, 2004 Christos Ricudis ricudis@itc.auth.gr 2005-2006 Claude Patry 2022 Commend International 2004 Constantine Filin cf@intermedia.net 2019 CyCore Systems, Inc 2012 David M. Lee, II dlee@digium.com 2016 Dennis Guse dennis.guse@alumni.tu-berlin.de 1999-2019 Digium, Inc. 2008-2009 Eliel C. Sardanons (LU1ALY) eliels@gmail.com 2013-2016 Fairview 5 Engineering, LLC. 2016 Frank Haase fra.haase@gmail.com 2008 Gary Cook 2016 George Joseph gjoseph@digium.com 2017 Greenfield Technologies Ltd. 2004-2005 Holger Schurig hs4233@mail.mn-solutions.de 2004-2005 Horizon Wimba, Inc. 2004-2005 inAccess Networks 2003 Jefferson Noxon jeff@debian.org 2005 Jeff Ollie 2014 Jonathan R. Rose jrose@digium.com 2005 Joseph Benden joe@thrallingpenguin.com 2005 Joshua Colp jcolp@digium.com 1999-2010 Kevin P. Fleming kpflaming@digium.com 2005-2006 Kevin P. Fleming kpflaming@digium.com 2014 Kinsey Moore kmoore@digium.com 2007-2008 Luigi Rizzo rizzo@icir.org 2009 malleable, LLC. 2009, 2015 Mark Michelson mmmichelson@digium.com 1999-2006 Mark Spencer markster@digium.com	Modular Open Source PBX Server

Component Name	License	Version	Copyright notice / remarks	Comment
			2007-2008 Marta Carbone	
			2006 Martin Portmann map@infinitem.ch	
			2003-2012 Matthew D. Hardeman mhardemn@papersoft.com	
			2012, 2015 Matt Jordan mjordan@digium.com	
			2022 Michael Kuron	
			2005 Mikael Magnusson mikma@users.sourceforge.net	
			2021-2022 Naveen Albert asterisk@phreaknet.org	
			1999-2006 Oleksiy Krivoshey oleksiyk@gmail.com	
			2005, 2009 Olle E. Johansson oej@edvina.net	
			2005 Oxymium sarl	
			2003 Paul Bagyenda bagyenda@dsmagic.com	
			2002 Pauline Middelink middelink@polyware.nl	
			2010 Precise Networks, Inc. http://precisenetworksinc.com/	
			2006 Proformatique	
			2007 Redfish Solutions	
			2014-2015 Richard Mudgett rmudgett@digium.com	
			2008 Roberto Casas roberto.casas@diaple.com	
			1999-2006 Russell Bryant russelb@clemsn.edu	
			2005-2008, 2012 Russell Bryant russell@digium.com	
			2019-2022 Sangoma Technologies Corporation	
			2014 Schmooze Com, Inc.	
			2008, 2017, 2020 Sean Bright sean.bright@gmail.com	
			2006 Sergey Basmanov sergey_basmanov@mail.ru	
			2007-2008 Sergio Fadda	
			2008 Steve Murphy murf@digium.com	
			2004-2005 Steve Rodgers hwstar@rodgers.sdcoxmail.com	
			2001, 2005 Steve Underwood steveu@coppice.org	
			2005-2007 Sven Slezak sunny@mezzo.net	
			2011-2012 Terry Wilson twilson@digium.com	
			2004 The Internet Society	
			1999-2006 Thorsten Lockert tholo@trollphone.org	
			2003, 2005-2007 Tilghman Leshner	
			2011-2016 Timo Teräs	
			2007-2008 Trinity College Computing Center	
			2006 Voop as	
			2003-2008 Benny Prijono benny@prijono.org	
			2011 Dan Arrhenius dan@keystream.se	
			1993-2006 Douglas C. Schmidt d.schmidt@vanderbilt.edu	
			2017 George Joseph gjoseph@digium.com	
			2007-2009 Keystream AB	
			2007-2009 Konftel AB	
			2010-2012 Regis Montoya (r3gis) http://www.r3gis.fr/	
			2014-2017 Savoir-faire Linux	
			2008-2022 Teluu Inc. http://www.teluu.com/	
			2012-2015 Zaark Technology AB	
			1996-2001 Takuya OOURA	
			2004-2006, 2011-2021 The WebRTC project authors	

Component Name	License	Version	Copyright notice / remarks	Comment
			2017-2019 The Abseil Authors	
			2013 Julien Pommier pommier@modartt.com	
			2004 the University Corporation for Atmospheric Research ("UCAR")	
			2012-2017 Jean-Marc Valin	
			2008-2011 Octasic Inc.	
			1995-1997 Michael Hipp	
			2013,2016 Digium, Inc.	
			2014 Lorenzo Miniero lorenzo@meetecho.com	
			2016 Apple Inc.	
			1989-1994 The Regents of the University of California	
			2004-2005 Objective Systems, Inc.	
			2005 Page Iberica, S.A.	
			2002-2003, 2007-2008 Jean-Marc Valin	
			2008 Thorvald Natvig	
			1992-1996, 1998-2017, 2020-2021 Free Software Foundation, Inc.	
			1992-2018, Free Software Foundation, Inc.	
			1996-1997, 1999-2005 Free Software Foundation, Inc.	
			1994 X Consortium	
			2004-2005 Christian Richter crich@beronet.com	
			1999-2014 Digium, Inc.	
			2007-2008 Dmitry Andrianov asterisk@dima.spb.ru	
			2005 Steve Underwood	
			1992-1996 Carsten Bormann cabo@cs.tu-berlin.de	
			1992-1996 Jutta Degener jutta@cs.tu-berlin.de	
			1999 Stanley J. Brooks stabro@megsinet.net	
			2008, 2015 Digium, Inc.	
			1999, 2002 Linux Support Services, LLC.	
			1999 Mark Spencer	
			Microsoft	
			2007-2008 Jean-Marc Valin	
			2008 Thorvald Natvig	
			1998 Todd C. Miller Todd.Miller@courtesan.com	
			2005, 2007-2008 Tzafrir Cohen tzafrir.cohen@xorcom.com	
			1987-1998 Free Software Foundation, Inc.	
			Mike Borella mike_borella@mw.3com.com	
			Mark Roberts mark@manumark.de	
			Michael Labuschke michael@labuschke.de	
			2005-2006 BJ Weschke bweschke@btwtech.com	
			2006 Digium, Inc.	
			2006 Philipp Dunkel philipp.dunkel@ebox.at	
			2003-2006 Tilghman Leshner	
			2011-2013 Research In Motion Limited	
			2003-2008 Benny Prijono benny@prijono.org	
			2008-2011 Teluu Inc. http://www.teluu.com/	
			1983, 1993 The Regents of the University of California.	
			2009 Raymond Hettinger	

Component Name	License	Version	Copyright notice / remarks	Comment
			2008-2010 Björn Höhrmann bjoern@hoehrmann.de 2020 Sean Bright 1999-2010 Digium, Inc. 2001 Simon Tatham 2004 David C. Troy dave@popvox.com 2004 Nicolás Gudiño nicolas@house.com.ar 2004 Peter Nixon codemonkey@peternixon.net 2015 Diederik de Groot dddegroot@users.sf.net 2004-2006 Tilghman Leshar 1993 Digital Equipment Corporation 1983, 1989, 1993 The Regents of the University of California 1999-2006 Thorsten Lockert 1984, 1989-1990, 2000-2011 Free Software Foundation, Inc. 2006 Digium, Inc. 1984, 1989-1990, 2000-2011 Free Software Foundation, Inc. 2011 IETF Trust and the persons identified as authors of the code 2010 Digium, Inc. 1999-2009 Stephan M. Bernsee smb@dspdimeension.com 2004 Steve Underwood steveu@coppice.org 1995-1997, 2000-2001 Free Software Foundation, Inc. 1999-2006 Digium, Inc. 2004 Darren Tucker 1996-1998, 2008 Theo de Raadt 1997, 2008-2009 Todd C. Miller Todd.Miller@courtesan.com 1995-2002 Brian M. Clapper 2014 Lorenzo Miniero lorenzo@meetecho.com 2011 Daniel Richard G. skunk@iSKUNK.ORG 2019 Marc Stevens marc.stevens@cw.nl 2008 Steven G. Johnson stevenj@alum.mit.edu 1999-2002 A.L. Faber 2004-2005 Horizon Wimba, Inc. 2006 David Shaw dshaw@jabberwocky.com 2005-2008 Sam Stephenson 1991 the Massachusetts Institute of Technology Sun Microsystems, Inc. 2016, 2022-2024 Jonas Smedegaard dr@jones.dk Faidon Liambotis paravoid@debian.org Mark Purcell msp@debian.org Tzafrir Cohen tzafrir.cohen@xorcom.com	
nodejs	MIT	10.14.2	Project: https://nodejs.org/ Node.js contributors, Joyent, Inc. and other Node contributors. 2023, Yagiz Nizipli and Daniel Lemire 2017, Sy Brand (tartanllama@gmail.com , @TartanLlama)	JavaScript runtime

Component Name	License	Version	Copyright notice / remarks	Comment
			2012-2017, Lars Bilke	
			2019-2023, Lars Melchior and contributors	
			2005-2007, Nick Galbreath	
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2.1 GPLv2.0

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

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

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This program is distributed in the hope that it will be useful,
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MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
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```
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This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
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```

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```
<one line to give the program's name and a brief idea of what it does.>
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```

```
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```

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```
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```

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, 1 April 1989 Ty Coon, President of Vice

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2.4 LGPLv2.0

► Details

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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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2.5 LGPLv2.1

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2.16 curl

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2.17 bzip2

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Julian Seward, jseward@acm.org bzip2/libbzip2 version 1.0.8 of 13 July 2019

2.18 SSH-OpenSSH

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- IDEA is no longer included, its use is deprecated
- DES is now external, in the OpenSSL library
- GMP is no longer used, and instead we call BN code from OpenSSL
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- The make-ssh-known-hosts script is no longer included
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[The licence continues]

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2.19 Dual openSSL, SSLeay

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