

License Conditions and License Summary

1 Products: CM 1542-1 6GK7542-1AX00-0XE0

2 English / English

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3 German / Deutsch

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4 Chinese / 中文

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5 Spanish / Español

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6 French / Français

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7 Italian / Italiano

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8 Japanese / 日本語

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9 Russian / Русский

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jloup@gzip.org madler@alumni.caltech.edu

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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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.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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

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

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

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

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

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

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

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

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

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

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

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

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Version 2, June 1991

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked

executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(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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Jeff Dionne; (c) 1998-1999 Dave Boynton; (c) 1998-1999 Precision Insight, Inc., Cedar Park, Texas.; (c) 1998-1999 by Jaroslav Kysela <perex@perex.cz>; (c) 1998-2000 Thomas Sailer; (c) 1998-2001 Ben Fennema; (c) 1998-2002 Petr Vandrovec <vandrove@vc.cvut.cz>; (c) 1998-2004 Ben Fennema; (c) 1998-99, 2000 Ingo Molnar <mingo@redhat.com>; (c) 1998-99, 2000, 2009 Ingo Molnar <mingo@redhat.com>; (c) 1999 - 2015 Intel Corporation.; (c) 1999 2000 Martin Mares <mj@ucw.cz>; (c) 1999 Al Smith <Al.Smith@aeschi.ch.eu.org>; (c) 1999 Alpha Processor, Inc.; (c) 1999 Andrea Arcangeli <andrea@suse.de>; (c) 1999 Andrea Arcangeli, SuSE GmbH; (c) 1999 Andreas Gal <gal@cs.uni-magdeburg.de>; (c) 1999 Asit Mallick <asit.k.mallick@intel.com>; (c) 1999 Ben Pfaff <pfaffben@debian.org> and Petr Vandrovec <VANDROVE@vc.cvut.cz>; (c) 1999 Benjamin Reed; (c) 1999 Chris Kemp and Tim Watterton EtherM; (c) 1999 Dave Airlie, University of Limerick, Ireland; (c) 1999 David A. Hinds; (c) 1999 David Airlie, airlied@linux.ie; (c) 1999 David Huggins-Daines <dhd@debian.org>; (c) 1999 David Jeffery; (c) 1999 Don Dugger <don.dugger@intel.com>; (c) 1999 Dr. Henrik Seidel <Henrik.Seidel@gmx.de>; (c) 1999 Dragos Acostachioaie <dragos@iname.com>; (c) 1999 Helge Deller <deller@gmx.de>; (c) 1999 Herve Eychenne <eychenne@info.enserb.u-bordeaux.fr>; (c) 1999 Jerome de Vivie; (c) 1999 Manfred Spraul <manfred@colorfullife.com>; (c) 1999 Martin Mares <mj@ucw.cz>; (c) 1999 Michael Gee (michael@linuxspecific.com); (c) 1999 Mihai Spatar; (c) 1999 Nicolas Pitre <nico@fluxnic.net>; (c) 1999 Rt-Control, Inc; (c) 1999 Rusty Russell (rusty@rustcorp.com.au.); (c) 1999 Stelias Computing Inc; (c) 1999 Steve Ratcliffe <steve@parabola.demon.co.uk>; (c) 1999 Terrehon Bowden <terrehon@pacbell.net> Bodo Bauer <bb@ricochet.net>; (c) 1999 Thomas Bogendoerfer (tsbogend@alpha.franken.de); (c) 1999 Trond Myklebust <trond.myklebust@fys.uio.no>; (c) 1999 Ulf Carlsson (ulfc@thepuffingruop.com); (c) 1999 Vojtech Pavlik <vojtech@suse.cz>; (c) 1999 by Joshua M. Thompson (funaho@jurai.org); (c) 1999, 2000 Matthew Dharm (mdharm-usb@one-eyed-alien.net); (c) 1999, 2000 Silicon Graphics, Inc.; (c) 1999, 2000, 05, 06 Ralf Baechle (ralf@linux-mips.org); (c) 1999, 2000, 2009 Ingo Molnar <mingo@redhat.com>; (c) 1999, Multiple IO-APIC; (c) 1999, Rt-Control, Inc.; (c) 1999,2000 Gerd Knorr <kxaxel@goldbach.in-berlin.de>; (c) 1999,2000 Nortel Networks.; (c) 1999-2000 Kurt Garloff; (c) 1999-2000 Stelias Computing Inc; (c) 1999-2000 Yon Uriarte <yon@astaro.de>; (c) 1999-2001 Ben Fennema; (c) 1999-2001 Gerd Knorr <kxaxel@goldbach.in-berlin.de>; (c) 1999-2001 James Morris <jmorros@intercode.com.au>; (c) 1999-2001 Marc Boucher <marc@mbsi.ca>; (c) 1999-2001 Michal Ludvig <michal@logix.cz>; (c) 1999-2001 Paul Rusty Russell; (c) 1999-2001 Torben Mathiasen; (c) 1999-2001 Torben Mathiasen tmm@image.dk; (c) 1999-2001 by Helge Deller <deller@gmx.de>; (c)

1999-2002 Gerd Knorr; (c) 1999-2002 Gerd Knorr <kraxel@bytesex.org>; (c) 1999-2002 Matthew Dharm (mdharm-usb@one-eyed-alien.net); (c) 1999-2002 Petr Vandrovec <vandrove@vc.cvut.cz>; (c) 1999-2003 Brad Douglas <brad@neruo.com>; (c) 1999-2003 Gerd Knorr <kraxel@bytesex.org>; (c) 1999-2003 Matthew Dharm (mdharm-usb@one-eyed-alien.net); (c) 1999-2003 Nemosoft Unv.; (c) 1999-2004 Ben Fennema; (c) 1999-2004 Max Krasnyansky <maxk@qualcomm.com>; (c) 1999-2004 Nemosoft Unv.; (c) 1999-2008 Helge Deller <deller@gmx.de>; (c) 1999/2000 Henning Zabel <henning@uni-paderborn.de>; (c) 2000 Adam J. Richter (adam@yggdrasil.com), Yggdrasil Computing, Inc.; (c) 2000 Aleph One Ltd; (c) 2000 Andre Hedrick <andre@suse.com>; (c) 2000 Andrea Arcangeli <andrea@suse.de> SuSE Queue; (c) 2000 Carnegie Mellon University; (c) 2000 ChyGwyn Limited; (c) 2000 Compaq Computer Corporation.; (c) 2000 Crutcher Dunnivant <crutcher+kernel@datastacks.com>; (c) 2000 David Brown <usb-storage@davidb.org>; (c) 2000 David L. Brown, Jr. (usb-storage@davidb.org); (c) 2000 Edward Betts <edward@debian.org>; (c) 2000 Geert Uytterhoeven <geert@linux-m68k.org>; (c) 2000 Gerd Knorr <kraxel@bytesex.org>; (c) 2000 IBM Corp.; (c) 2000 IBM Deutschland Entwicklung GmbH, IBM Corporation.; (c) 2000 In-System Design, Inc.; (c) 2000 Interlan Communications; (c) 2000 Jimmie Mayfield (mayfield+datafab@sackheads.org); (c) 2000 Jimmie Mayfield (mayfield+usb@sackheads.org); (c) 2000 Jorge Nerin <comandante@zaralinux.com>; (c) 2000 Justin Schoeman; (c) 2000 Justin Schoeman <justin@suntiger.ee.up.ac.za>; (c) 2000 Manfred Spraul; (c) 2000 Marc Boucher <marc@mbsi.ca>; (c) 2000 Milan Pikula <www@fomax.sk>; (c) 2000 Nicolas Pitre <nico@fluxnic.net>; (c) 2000 Red Hat.; (c) 2000 Russell King; (c) 2000 Stelias Computing Inc; (c) 2000 Stephane Alnet; (c) 2000 Stephen J. Gowdy (SGowdy@lbl.gov); (c) 2000 YAEGASHI Takeshi; (c) 2000 Yggdrasil Computing, Inc.; (c) 2000 by Harald Welte <laforge@gnumonks.org>; (c) 2000 by Harald Welte <laforge@netfilter.org>; (c) 2000 by Matthew G. Marsh <mgm@paktronix.com>; (c) 2000 by R.E.Wolff@BitWizard.nl; (c) 2000, 2001 Robert Baruch (autophile@starband.net); (c) 2000,2001 by Harald Welte <laforge@netfilter.org>; (c) 2000,2001,2002,2003,2004 Omnikey AG; (c) 2000,2002 Ghozlane Toumi <gtoumi@laposte.net>; (c) 2000,2005 by Harald Welte <laforge@netfilter.org>; (c) 2000-03 Gerd Knorr <kraxel@bytesex.org> SuSE Labs; (c) 2000-2001 Felix Domke (tmbinc@gmx.net); (c) 2000-2001 Svenning Soerensen <svenning@post5.tele.dk>; (c) 2000-2001 Vojtech Pavlik <vojtech@ucw.cz>; (c) 2000-2001 by Harald Welte <laforge@gnumonks.org>; (c) 2000-2002 Gerd Knorr <kraxel@bytesex.org>; (c) 2000-2002 Harald Welte <laforge@netfilter.org>; (c) 2000-2002 James Morris <jmorris@intercode.com.au>; (c) 2000-2002 Matthew Dharm (mdharm-usb@one-eyed-alien.net); (c) 2000-2002 Petr Vandrovec <vandrove@vc.cvut.cz>; (c) 2000-2002 Ziglio Frediano, freddy77@angelfire.com; (c) 2000-2002 by Harald Welte <laforge@gnumonks.org>; (c) 2000-2003 Dave Jones, Arjan; (c) 2000-2003 Gerd Knorr <kraxel@bytesex.org>; (c) 2000-2004 Omnikey AG; (c) 2000-2004 by Harald Welte <laforge@netfilter.org>; (c) 2000-2005 by Harald Welte <laforge@gnumonks.org>; (c) 2001 - 2005 Tensilica Inc.; (c) 2001 - 2007 Tensilica Inc. Kevin Chea <kchea@yahoo.com> Marc Gauthier <marc@linux-xtensa.org> Chris Zankel <chris@zankel.net>; (c) 2001 - 2013 Tensilica Inc.; (c) 2001 Andreas Gruenbacher, <a.gruenbacher@computer.org>; (c) 2001 Brad Hards; (c) 2001 Clemson University and The University of Chicago; (c) 2001 Daniel Phillips; (c) 2001 Dave Jones, Arjan; (c) 2001 Dimitromanolakis Apostolos <apdim@grecian.net>; (c) 2001 IBM Corp.; (c) 2001 IBM Corporation; (c) 2001 IBM Deutschland Entwicklung GmbH; (c) 2001 Johannes Erdfelt <jerdfelt@valinux.com>; (c) 2001 Lineo, Inc.; (c) 2001 Marc Boucher (marc@mbsi.ca).; (c) 2001 Martin Josefsson <gandalf@wlug.westbo.se>; (c) 2001 Michael Eskin, Tom Zakrajsek; (c) 2001 Micro Solutions Inc.; (c) 2001 NeilBrown; (c) 2001 Paul Mundt (lethal@linux-sh.org); (c) 2001 Red Hat Inc; (c) 2001 Red Hat, Inc.; (c) 2001 Robert Siemer <Robert.Siemer@gmx.de>; (c) 2001 San Mehat <netwerk@valinux.com>; (c) 2001 by Jay Schulist <jschlst@samba.org>; (c) 2001 by Karsten Merker <merker@linuxtag.org> and Maciej W. Rozycki <macro@ds2.pg.gda.pl> Later; (c) 2001, 2002 by Alan Cox <alan@redhat.com> Thomas Hood; (c) 2001, 2002, 2003, 2004 Rusty Russell; (c) 2001, 2006 IBM Corporation.; (c) 2001, Dave Jones.; (c) 2001,02 Gerd Knorr <kraxel@bytesex.org>; (c) 2001,02 Gerd Knorr <kraxel@bytesex.org> SuSE Labs; (c) 2001,2002,2003 Benjamin Herrenschmidt (benh@kernel.crashing.org); (c) 2001,2002,2006 by Jan-Benedict Glaw <jbglaw@lug-owl.de>; (c) 2001,2006 IBM Corporation; (c) 2001-03 Gerd Knorr <kraxel@bytesex.org> SuSE Labs; (c) 2001-04 Gerd Knorr <kraxel@bytesex.org> SuSE Labs; (c) 2001-2002 Andras Kis-Szabo <kisza@sch.bme.hu>; (c) 2001-2002 Andrey Ulanov <drey@rt.mipt.ru>; (c) 2001-2002 Bjorn Stenberg (bjorn@haxx.se); (c) 2001-2002 Denis Oliver Kropp <dok@convergence.de>; (c) 2001-2002 Denis Oliver Kropp <dok@directfb.org>; (c) 2001-2002 IBM Deutschland Entwicklung GmbH; (c) 2001-2002 Maciej Soltysiak <solt@dns.toxicfilms.tv>; (c) 2001-2002 Magnus Boden <mb@ozaba.mine.nu>; (c) 2001-2002 Patrick McHardy <kaber@trash.net>; (c) 2001-2002 Petr Vandrovec <vandrove@vc.cvut.cz>; (c) 2001-2003 Bart De Schuymer; (c) 2001-2003 Red Hat, Inc.; (c) 2001-2004 Dave Jones.; (c) 2001-2004 FarSite Communications Ltd.; (c) 2001-2006 Red Hat, Inc.; (c) 2002 - 2003 Dominik Brodowski <linux@brodo.de>; (c) 2002 - 2004 Dominik Brodowski <linux@brodo.de>; (c) 2002 Alan Stern (stern@rowland.org); (c) 2002 Alan Stern <stern@rowland.org>; (c) 2002 Andreas Gruenbacher, <a.gruenbacher@computer.org>; (c) 2002 Andries Brouwer (aeb@cw.nl); (c) 2002 Arjan; (c) 2002 Atom; (c) 2002 Atom Create Engineering Co., Ltd.; (c) 2002 David Woodhouse

<dwmw2@infradead.org>; (c) 2002 Gerd Knorr <krxel@bytesex.org>; (c) 2002 Harald Welte <laforge@gnumonks.org>; (c) 2002 Hirokazu Takahashi <taka@valinux.co.jp>; (c) 2002 Hiroshi Miura <miura@da-cha.org>; (c) 2002 Louis Zhuang <louis.zhuang@intel.com>; (c) 2002 Manfred Spraul; (c) 2002 Martin Devera (devik@cdi.cz.); (c) 2002 Monta Vista Software Inc Cliff Brake; (c) 2002 Nadia Yvette Chambers; (c) 2002 Oliver Neukum; (c) 2002 Pdraig Brady. <padraig@antefacto.com>; (c) 2002 Pascal Dameme <netinet@freesurf.fr> and Marc Zyngier <mzyngier@freesurf.fr>; (c) 2002 Red Hat; (c) 2002 Rusty Russell; (c) 2002 Samuel Chessman; (c) 2002 Simon Munton; (c) 2002 Steve Hill <steve@navaho.co.uk>; (c) 2002 Thomas Kreiling <usbdev@sm04.de>; (c) 2002 Tora T. Engstad; (c) 2002 William R Sowerbutts <will@sowerbutts.com>; (c) 2002 Wolfgang Scherr <scherr@net4you.at>; (c) 2002 Yuriy Sysoev <yuriy@naturesoft.net>; (c) 2002 Zwane Mwaikambo <zwane@commfireservices.com>; (c) 2002 by Adam Belay <ambx1@neo.rr.com>; (c) 2002 by Brian J. Murrell <netfilter@interlinx.bc.ca>; (c) 2002 by Harald Welte <laforge@gnumonks.org>; (c) 2002 by Harald Welte <laforge@netfilter.org>; (c) 2002, 2003 Marc Zyngier <maz@wild-wind.fr.eu.org>; (c) 2002,2003 Andi Kleen, SuSE Labs.; (c) 2002-2003 Intel Corp Inaky Perez-Gonzalez <inaky.perez-gonzalez@intel.com>; (c) 2002-2003 Nadia Yvette Chambers; (c) 2002-2004 Ingo Molnar, Red Hat; (c) 2002-2004 Netfilter Core Team; (c) 2002-2004 Randolph Chung <tausq@debian.org>; (c) 2002-2004 Russell King; (c) 2002-2005 BUFFALO INC.; (c) 2002-2005 Netfilter Core Team; (c) 2002-2005 by Harald Welte <laforge@gnumonks.org>; (c) 2002-2006 Netfilter Core Team; (c) 2002-2006 by Harald Welte <laforge@gnumonks.org>; (c) 2002-2007, Benjamin Herrenschmidt (benh@kernel.crashing.org); (c) 2002-2010 Exar Corp.; (c) 2002-2013 Jozsef Kadlecsek <kadlec@blackhole.kfki.hu>; (c) 2003 Creative Card; (c) 2003 - 2004 David Woodhouse; (c) 2003 - 2004 Dominik Brodowski; (c) 2003 - 2004 Dominik Brodowski <linux@dominikbrodowski.de>; (c) 2003 - 2008 Dominik Brodowski; (c) 2003 - 2010 Dominik Brodowski; (c) 2003 - Rear Left; (c) 2003 Andreas Gruenbacher <agruen@suse.de>; (c) 2003 Ardis Technologies; (c) 2003 Aurelien Alleaume <slts@free.fr>; (c) 2003 Benjamin Herrenschmidt <benh@kernel.crashing.org> Armin Kuster <akuster@mvista.com> Johnnie Peters <jpeters@mvista.com>; (c) 2003 Bruno Ducrot; (c) 2003 Christoph Jungegger <disdos@traum404.de>; (c) 2003 Cornelius Consult; (c) 2003 Cornelius Consult (wemer@cornelius-consult.de); (c) 2003 Dave Jones; (c) 2003 Dave Jones.; (c) 2003 Gerd Knorr <krxel@bytesex.org>; (c) 2003 Gerd Knorr <krxel@bytesex.org> SuSE Labs; (c) 2003 Herbert Valerio Riedel <hvr@gnu.org>; (c) 2003 Hiroshi Miura <miura@da-cha.org>; (c) 2003 IBM Corporation; (c) 2003 John Whitney (john.whitney@timesys.com) PPC Mods; (c) 2003 Jozsef Kadlecsek <kadlec@blackhole.kfki.hu>; (c) 2003 Jun Nakajima <jun.nakajima@intel.com>; (c) 2003 Linux Networx; (c) 2003 Luis R. Rodriguez <mcgrof@ruslug.rutgers.edu>; (c) 2003 Manfred Spraul <manfred@colorfullife.com>; (c) 2003 Marc Zyngier <maz@wild-wind.fr.eu.org>; (c) 2003 Phytex Messtechnik GmbH; (c) 2003 Red Hat, Inc.; (c) 2003 Simtec Electronics; (c) 2003 Venkatesh Pallipadi <venkatesh.pallipadi@intel.com>; (c) 2003 Yasuyuki Kozakai; (c) 2003 by Patrick Mchardy <kaber@trash.net>; (c) 2003 by Sampsa Ranta <sampsa@netsonic.fi>; (c) 2003 on high profile pci card has nxt6000 demod digitv_alps_tded4_reset(card) card-fe_dvb_attach(nxt6000_attach, &vp3021_alps_tded4_config, card-i2c_adapter); (c) 2003 zecke@handhelds.org; (c) 2003, 2004 Andrew de Quincey & Robert Schlabbach; (c) 2003, 2004 Paul Mundt; (c) 2003, 2004, 2006 Andriy Skulysh; (c) 2003, Benjamin Herrenschmidt (benh@kernel.crashing.org); (c) 2003, Fabian Frederick <ffrederick@users.sourceforge.net>; (c) 2003,04 Gerd Knorr <krxel@bytesex.org> SUSE Labs; (c) 2003,2004 Aurelien Alleaume <slts@free.fr>; (c) 2003,2004 Joerg Albert <joerg.albert@gmx.de>; (c) 2003,2004 USAGI/WIDE Project; (c) 2003-04 Gerd Knorr <krxel@bytesex.org> SuSE Labs; (c) 2003-2004 Paul Clements, SteelEye Technology - persistent; (c) 2003-2004 by Harald Welte <laforge@netfilter.org>; (c) 2003-2005 Netfilter Core Team; (c) 2003-2006 Advanced Micro Devices, Inc.; (c) 2003-2006 Netfilter Core Team; (c) 2003-2009 Alan Stern (stern@rowland.harvard.edu); (c) 2003-2012 Advanced Micro Devices, Inc.; (c) 2004 Andrew de Quincey; (c) 2004 Ben Dooks; (c) 2004 Bruno Ducrot <ducrot@poupinou.org>; (c) 2004 Chris Pascoe <c.pascoe@itee.uq.edu.au>; (c) 2004 Dan Brown <dan_brown@ieee.org>; (c) 2004 David Bronaugh; (c) 2004 Dominik Brodowski; (c) 2004 Dominik Brodowski <linux@brodo.de>; (c) 2004 Dominik Brodowski <linux@dominikbrodowski.de>; (c) 2004 Gerd Knorr <krxel@bytesex.org>; (c) 2004 Gerd Knorr <krxel@bytesex.org> SUSE Labs; (c) 2004 Gerd Knorr <krxel@bytesex.org> SuSE Labs; (c) 2004 Hiroshi Miura <miura@da-cha.org>; (c) 2004 IBM Corporation; (c) 2004 Ian Molton <spyro@f2s.com>; (c) 2004 Intel Corporation; (c) 2004 Intracom, S.A.; (c) 2004 Jean-Philippe Andriot, <jean-philippe.andriot@6WIND.com> 6WIND, Paris, France; (c) 2004 Jelle Foks <jelle@foks.us>; (c) 2004 Kalev Lember <kalev@smartlink.ee>; (c) 2004 Linux Networx; (c) 2004 Margit Schubert-While <margit@t-online.de>; (c) 2004 Mickael Hoerdt, <hoerdt@clarinet.u-strasbg.fr> LSIIT Laboratory, Strasbourg, France; (c) 2004 MontaVista Software, Inc. - Adapted; (c) 2004 NTT DATA Intellilink Co. <http://www.intellilink.co.jp>; (c) 2004 Nadia Yvette Chambers, Oracle; (c) 2004 Olivier Gournet <ogournet@anevia.com> & Andrew de Quincey <adq_dvb@lidskialf.net>; (c) 2004 Paul Serice; (c) 2004 Pavel Machek <pavel@ucw.cz>; (c) 2004 Red Hat; (c) 2004 Rusty Russell <rusty@rustcorp.com.au> IBM Corporation; (c) 2004 Simtec Electronics; (c) 2004 Szabolcs Gyurko; (c) 2004 Tom Rini (trini@mvista.com) PPC Mods; (c) 2004 VIA Technologies Inc.; (c) 2004 Zou Nan; (c) 2004 by Bart De Schuymer <bdschuym@pandora.be>; (c) 2004 by Eric Lemoine

(eric.lemoine@gmail.com); (c) 2004 jomada; (c) 2004, 2005 Chris Pascoe <c.pascoe@itee.uq.edu.au>; (c) 2004, 2005 Daniel Drake <dsd@gentoo.org>; (c) 2004, Dave Jones, Red Hat Inc.; (c) 2004,2005 Benjamin Herrenschmidt, IBM Corp.; (c) 2004-2005 Simtec Electronics; (c) 2004-2005, Eugene Surovegin <ebs@ebshome.net>; (c) 2004-2006 Luc Saillard (luc@saillard.org); (c) 2004-2006 Sebastian Witt <se.witt@gmx.net>; (c) 2004-2006 by Jan-Benedict Glaw <jbglaw@lug-owl.de>; (c) 2004-2009 Dominik Brodowski <linux@dominikbrodowski.de>; (c) 2005 Becky Bruce , Freescale Semiconductor; (c) 2005 Ben Dooks; (c) 2005 Benedikt Spranger <b.spranger@linutronix.de>; (c) 2005 Benjamin Herrenschmidt , IBM Corp.; (c) 2005 Benjamin Herrenschmidt, IBM Corp.; (c) 2005 Chris Pascoe <c.pascoe@itee.uq.edu.au>; (c) 2005 Chuck Lever <cel@netapp.com>; (c) 2005 Daniel Drake <dsd@gentoo.org>; (c) 2005 EADS Astrium; (c) 2005 Eptar; (c) 2005 Finn Thain; (c) 2005 Frank Rowand (frowand@mvista.com); (c) 2005 Frank Rowand (frowand@mvista.com) PPC Mods; (c) 2005 Georges Toth <g.toth@e-biz.lu>; (c) 2005 Guillaume GOURAT; (c) 2005 Hans J. Koch; (c) 2005 Harald Welte <laforge@gnumonks.org>; (c) 2005 Harald Welte <laforge@netfilter.org>; (c) 2005 Hartmut Hackmann; (c) 2005 John Williams; (c) 2005 Mauro Carvalho Chehab <mchehab@kernel.org>; (c) 2005 Michel Xhaard mxhaard@magic.fr; (c) 2005 MontaVista Software, Inc.; (c) 2005 Nokia Corporation; (c) 2005 Pablo Neira Ayuso <pablo@eurodev.net>; (c) 2005 Patrick McHardy <kaber@trash.net>; (c) 2005 Red Hat; (c) 2005 Red Hat <alan@lxorguk.ukuu.org.uk>; (c) 2005 Red Hat Inc; (c) 2005 Red Hat Inc Alan Cox <alan@lxorguk.ukuu.org.uk>; (c) 2005 Syn-tech Systems, Inc.; (c) 2005 Thibaut VARENE <varenet@parisc-linux.org>; (c) 2005 Thomas Gleixner <tglx@linutronix.de>; (c) 2005 Thomas Winischhofer.; (c) 2005 USAGI/WIDE Project; (c) 2005 by Christian Hentschel <chentschel@amet.com.ar>; (c) 2005 by Hans J. Koch; (c) 2005 by Harald Welte <laforge@netfilter.org>; (c) 2005 on low profile pci card has mt352 demod digitv_alps_tded4_reset(card) card- fe_dvb_attach(mt352_attach, &digitv_alps_tded4_config, card- i2c_adapter); (c) 2005, 2006 Linux Networx; (c) 2005, 2006 Red Hat Inc.; (c) 2005, Joel Schopp <jschopp@austin.ibm.com>; (c) 2005,2006 Ricardo Cerqueira <v4l@cerqueira.org>; (c) 2005,2006 Simtec Electronics Ben Dooks <ben@simtec.co.uk>; (c) 2005-2006 Harald Welte <laforge@gnumonks.org>; (c) 2005-2006 Intel Corporation Inaky Perez-Gonzalez <inaky.perez-gonzalez@intel.com>; (c) 2005-2006 Mauro Carvalho Chehab <mchehab@kernel.org>; (c) 2005-2006 MontaVista Software, Inc. Vitaly Bordug <vbordug@ru.mvista.com>; (c) 2005-2006 Netfilter Core Team; (c) 2005-2006 Nickolay V. Shmyrev; (c) 2005-2006 Nickolay V. Shmyrev <nshmyrev@yandex.ru>; (c) 2005-2006 Red Hat Inc; (c) 2005-2006 Red Hat Inc Alan Cox <alan@lxorguk.ukuu.org.uk>; (c) 2005-2007 Linux Networx; (c) 2005-2008 MSC Vertriebsges.m.b.H, Manuel Lauss <mlau@msc-ge.com>; (c) 2005-2012 Patrick McHardy <kaber@trash.net>; (c) 2005-2012 by Pablo Neira Ayuso <pablo@netfilter.org>; (c) 2005-2016 Advanced Micro Devices, Inc.; (c) 2005-2017 by Pablo Neira Ayuso <pablo@netfilter.org>; (c) 2006 Andrew de Quincey; (c) 2006 Benjamin Herrenschmidt <benh@kernel.crashing.org> , IBM Corp.; (c) 2006 Bob Copeland <me@bobcopeland.com>; (c) 2006 Edgar Hucek <gimli@dark-green.com>; (c) 2006 IBM Corp; (c) 2006 Keith Bennett <keith@mcs.st-and.ac.uk>; (c) 2006 Mauro Carvalho Chehab; (c) 2006 Mauro Carvalho Chehab <mchehab@kernel.org>; (c) 2006 Mauro Carvalho Chehab, <mchehab@kernel.org>; (c) 2006 Michael Ellerman, IBM Corp; (c) 2006 MontaVista Software, Inc.; (c) 2006 MontaVista Software, Inc. Vitaly Bordug <vbordug@ru.mvista.com>; (c) 2006 Montavista Software; (c) 2006 Ondrej Zajicek <santiago@crfreenet.org>; (c) 2006 Patrick McHardy <kaber@trash.net>; (c) 2006 Rafael J. Wysocki <rjw@sisk.pl>; (c) 2006 Red Hat; (c) 2006 Red Hat <alan@lxorguk.ukuu.org.uk>; (c) 2006 Red Hat Inc; (c) 2006 Red Hat Inc Alan Cox; (c) 2006 Simtec Electronics; (c) 2006 Simtec Electronics http://armlinux.simtec.co.uk; (c) 2006 Ted Walther and John Sokol; (c) 2006 Thomas Gleixner <tglx@linutronix.de>; (c) 2006 Thomas Maier <balagi@justmail.de>; (c) 2006 Tim Small; (c) 2006 Wolfson Microelectronics PLC. Graeme Gregory <graeme.gregory@wolfsonmicro.com>; (c) 2006 by Patrick McHardy <kaber@trash.net>; (c) 2006, 2007 by Mauro Carvalho Chehab <mchehab@kernel.org>; (c) 2006,2008 Red Hat, Inc., James Morris <jmorris@redhat.com>; (c) 2006-2007 MontaVista Software; (c) 2006-2007 Ondrej Zajicek <santiago@crfreenet.org>; (c) 2006-2007 Shaohua Li <shaohua.li@intel.com>; (c) 2006-2007 Venkatesh Pallipadi <venkatesh.pallipadi@intel.com> Shaohua Li <shaohua.li@intel.com> Adam Belay <abelay@novell.com>; (c) 2006-2008 Harald Welte <laforge@gnumonks.org>; (c) 2006-2008 MSC Vertriebsges.m.b.H., Manuel Lauss <mano@roarinelk.homelinux.net>; (c) 2006-2008 Takashi Iwai <tiwai@suse.de>; (c) 2006-2008 by Openmoko, Inc.; (c) 2006-2009 Secret Lab Technologies Ltd Grant Likely; (c) 2006-2009 VIA Technology, Inc.; (c) 2006-2010 Patrick McHardy <kaber@trash.net>; (c) 2006-2012 Patrick McHardy <kaber@trash.net>; (c) 2007 Alexander Shishkin <virtuoso@slind.org>; (c) 2007 Andrew Victor; (c) 2007 Bartlomiej Zolnierkiewicz; (c) 2007 Dmitry Adamushko <dmitry.adamushko@gmail.com>; (c) 2007 EADS Astrium; (c) 2007 Gerd Hoffmann <kraxel@suse.de>; (c) 2007 Guido Guenther <agx@sigxcpu.org>; (c) 2007 Hans J. Koch <hjk@hansjkoch.de>; (c) 2007 Inaky Perez-Gonzalez <inaky@linux.intel.com> Intel Corporation; (c) 2007 Juergen Beisert <j.beisert@pengutronix.de>; (c) 2007 Kees Lemmens; (c) 2007 Laszlo Attila Toth <panther@balabit.hu>; (c) 2007 Linux Networx; (c) 2007 MSC Vertriebsges.m.b.H, Manuel Lauss <mlau@msc-ge.com>; (c) 2007 Manuel Lauss; (c) 2007 Martin K. Petersen <mkp@mkp.net>; (c) 2007 Mauro Carvalho Chehab, <mchehab@kernel.org>; (c) 2007 Michael Krufky; (c) 2007 Michal

Januszewski <spock@gentoo.org>; (c) 2007 Michel Benoit; (c) 2007 Mike Galbraith <efault@gmx.de>; (c) 2007 Montavista Software, Inc. Vitaly Bordug <vitb@kernel.crashing.org>; (c) 2007 Network Appliance, Inc.; (c) 2007 Ondrej Zajicek <santiago@crfreenet.org>; (c) 2007 Patrick McHardy <kaber@trash.net>; (c) 2007 Pavel Emelyanov <xemul@openvz.org> , OpenVZ, SWsoft Inc.; (c) 2007 Rafael J. Wysocki <rjw@sisk.pl>; (c) 2007 Red Hat; (c) 2007 Red Hat Inc; (c) 2007 Red Hat, Inc.; (c) 2007 Rodolfo Giometti; (c) 2007 SGI, Christoph Lameter; (c) 2007 Sebastian Siewior <bigeasy@linutronix.de>; (c) 2007 SoftwareBitMaker; (c) 2007 Sukadev Bhattiprolu <sukadev@us.ibm.com> , IBM Many; (c) 2007 Timur Tabi , Freescale Semiconductor; (c) 2007 Trent Piepho <xyzyy@speakeasy.org>; (c) 2007 United Security Providers; (c) 2007 Venkatesh Pallipadi <venkatesh.pallipadi@intel.com> Shaohua Li <shaohua.li@intel.com> Adam Belay <abelay@novell.com>; (c) 2007 aCarLab (India) Pvt. Ltd.; (c) 2007 by Hans J. Koch <hjk@hansjkoch.de>; (c) 2007 by Holger Schurig <hs4233@mail.mn-solutions.de>; (c) 2007 by Patrick McHardy <kaber@trash.net>; (c) 2007 by Sebastian Claen <sebastian.classen@freenet.ag>; (c) 2007 jetzbroadband (<http://jetzbroadband.com>) this file may be distributed; (c) 2007 sgi, Christoph Lameter; (c) 2007 sgi. Christoph Lameter.; (c) 2007 www.douglaskthompson.com; (c) 2007 www.softwarebitmaker.com; (c) 2007, 2008 Patrick McHardy <kaber@trash.net>; (c) 2007, 2008, 2011, 2012 Patrick McHardy <kaber@trash.net>; (c) 2007, Joe Perches <joe@perches.com>; (c) 2007, SGI. Christoph Lameter <cl@linux.com>; (c) 2007,2008 Dmitry Baryshkov; (c) 2007,2008 Jochen Friedrich <jochen@scram.de>; (c) 2007,2008, Andy Whitcroft <apw@uk.ibm.com>; (c) 2007,2009 Bartlomiej Zolnierkiewicz; (c) 2007,2009,2010 Bartlomiej Zolnierkiewicz; (c) 2007,2011 Bartlomiej Zolnierkiewicz; (c) 2007-2008 MSC Vertriebsges.m.b.H., Manuel Lauss <manuel.lauss@gmail.com>; (c) 2007-2008, MontaVista Software, Inc.; (c) 2007-2008, Realsil Wlan; (c) 2007-2009 Jiri Kosina; (c) 2007-2009 MSC Vertriebsges.m.b.H., Manuel Lauss <manuel.lauss@gmail.com>; (c) 2007-2010 by Jan Engelhardt <jengelh@medozas.de>; (c) 2007-2011 MSC Vertriebsges.m.b.H., Manuel Lauss <manuel.lauss@gmail.com>; (c) 2007-2012 Patrick McHardy <kaber@trash.net>; (c) 2008 Aidan Thornton <makosoft@googlemail.com>; (c) 2008 Alexey Starikovskiy <astarikovskiy@suse.de>; (c) 2008 Anatolij Gustschin <agust@denx.de> DENX Software Engineering; (c) 2008 Dan Williams <dcbw@redhat.com>; (c) 2008 Daniel Mack <daniel@caiaq.de>; (c) 2008 Devin Heitmueller <devin.heitmueller@gmail.com>; (c) 2008 Intel Corporation; (c) 2008 Korolev Alexey <akorolev@infradead.org>; (c) 2008 Krzysztof Piotr Oledzki <ole@ans.pl>; (c) 2008 Manuel Lauss <mano@roarinelk.homelinux.net>; (c) 2008 Manuel Traut <manut@linutronix.de>; (c) 2008 Mijhail Moreyra <mijhail.moreyra@gmail.com>; (c) 2008 Nobuhiro Iwamatsu <iwamatsu.nobuhiro@renesas.com>; (c) 2008 Patrick McHardy <kaber@trash.net>; (c) 2008 Peter W. Morreale <pmorreale@novell.com>; (c) 2008 Simtec Electronics; (c) 2008 Steven Toth <stoth@linuxtv.org>; (c) 2008 Vasiliy Leonenko <vasiliy.leonenko@gmail.com>; (c) 2008 Wind River Systems, Inc; (c) 2008 Wind River Systems, Inc.; (c) 2008 Wolfson Microelectronics; (c) 2008 Xilinx, Inc.; (c) 2008, 2009 by Marc Kleine-Budde <kernel@pengutronix.de>; (c) 2008, 2009, 2010, 2011 by Marc Kleine-Budde <kernel@pengutronix.de>; (c) 2008, Steven Rostedt <srostedt@redhat.com>; (c) 2008-2009 Pablo Neira Ayuso <pablo@netfilter.org>; (c) 2008-2010 Andy Whitcroft <apw@canonical.com>; (c) 2008-2011 Manuel Lauss <manuel.lauss@googlemail.com>; (c) 2008-2011 Mauro Carvalho Chehab <mchehab@kernel.org>; (c) 2008-2013 Christoph Lameter <cl@linux.com>; (c) 2008-2014 Cliff Wickman <cpw@sgi.com>; (c) 2009 - Peter Feuerer; (c) 2009 Alexander Clouter <alex@digriz.org.uk>; (c) 2009 Arnaldo Carvalho de Melo <acme@redhat.com>; (c) 2009 Bartlomiej Zolnierkiewicz; (c) 2009 Daniel Mack <daniel@caiaq.de>; (c) 2009 Dmitry Artamonow <mad_soft@inbox.ru>; (c) 2009 Gerd Hoffmann <kraxel@redhat.com>; (c) 2009 Google Inc.; (c) 2009 IBM Corp.; (c) 2009 Kristoffer Ericson <kristoffer.ericson@gmail.com>; (c) 2009 Manuel Lauss <manuel.lauss@googlemail.com>; (c) 2009 Samsung Electronics; (c) 2009 Sascha Hauer, Pengutronix; (c) 2009 Shen Feng <shen@cn.fujitsu.com>; (c) 2009 Siemens AG; (c) 2009 Steven Toth <stoth@kernellabs.com>; (c) 2009 Uwe Kleine-Koenig, Pengutronix; (c) 2009 Valentin Shtidikov <v.shtidikov@gmail.com>; (c) 2009, 2010 Nvidia Graphics Pvt. Ltd.; (c) 2009, Mel Gorman <mel@csn.ul.ie>; (c) 2009, Shen Feng <shen@cn.fujitsu.com>; (c) 2009, Thomas Renninger <trenn@suse.de> , Novell Inc.; (c) 2009, Tom Zanussi <tzanussi@gmail.com>; (c) 2009,2010 Dick Streefland <dick@streefland.net>; (c) 2009-2010 Bartlomiej Zolnierkiewicz; (c) 2009-2010 Nishanth Menon <nm@ti.com> , Texas Instruments Incorporated; (c) 2009-2011 Rafael J. Wysocki <rjw@sisk.pl> , Novell Inc.; (c) 2010 Alan Stern <stern@rowland.harvard.edu>; (c) 2010 Arnaldo Carvalho de Melo <acme@redhat.com>; (c) 2010 Arnaud Patard <apatard@mandriva.com>; (c) 2010 Arnaud Patard <arnaud.patard@rtp-net.org>; (c) 2010 Bartlomiej Zolnierkiewicz; (c) 2010 Eric Dumazet; (c) 2010 Luotao Fu <l.fu@pengutronix.de>; (c) 2010 Manfred Spraul <manfred@colorfullife.com>; (c) 2010 Michael J. Cree; (c) 2010 Nikolaus Voss, Weinmann Medical GmbH; (c) 2010 Pablo Neira Ayuso <pablo@netfilter.org>; (c) 2010 Red Hat Inc; (c) 2010 Red Hat, Inc.; (c) 2010 Thomas Renninger <trenn@suse.de>; (c) 2010, Arnaldo Carvalho de Melo <acme@redhat.com>; (c) 2010, Tom Zanussi <tzanussi@gmail.com>; (c) 2010,2011 Thomas Renninger <trenn@suse.de> , Novell Inc; (c) 2010,2011 Thomas Renninger <trenn@suse.de> , Novell Inc.; (c) 2010-2011 Henning Karlsen; (c) 2010-2011 Red Hat, Inc.; (c) 2010-2011 Thomas Graf <tgraf@redhat.com>; (c) 2010-2012 ST Microelectronics; (c)

2010-2018 Joe Perches <joe@perches.com>; (c) 2011 - 2014 Srivatsa S. Bhat <srivatsa.bhat@linux.vnet.ibm.com>; (c) 2011 Arvid Brodin <arvid.brodin@enea.com>; (c) 2011 Bartlomiej Zolnierkiewicz; (c) 2011 Corentin Chary <corentin.chary@gmail.com>; (c) 2011 DENX Software Engineering, Anatolij Gustschin <agust@denx.de>; (c) 2011 Hans de Goede; (c) 2011 Intra2net AG; (c) 2011 Jiri Olsa <jolsa@redhat.com>; (c) 2011 Linux Foundation, Christoph Lameter; (c) 2011 Linux Foundation.; (c) 2011 Manuel Lauss <manuel.lauss@googlemail.com>; (c) 2011 MyungJoo Ham <myungjoo.ham@samsung.com>; (c) 2011 Omnibond Systems; (c) 2011 Ondrej Zary <linux@rainbow-software.org>; (c) 2011 Pablo Neira Ayuso <pablo@netfilter.org>; (c) 2011 Patrick McHardy <kaber@trash.net>; (c) 2011 The Chromium OS Authors; (c) 2011 Thomas Renninger <trenn@novell.com> Novell Inc.; (c) 2011 Thomas Renninger <trenn@suse.de> , Novell Inc.; (c) 2011 Volkswagen Group Research Authors Michal Sojka <sojkam1@fel.cvut.cz> Pavel Pisa <pisa@cmp.felk.cvut.cz> Rostislav Lisovy <lisovy@gmail.cz> Funded; (c) 2011-12 liran; (c) 2012 Christoph Lameter <cl@linux.com>; (c) 2012 Frank Schaefer <fschaefer.oss@googlemail.com>; (c) 2012 Google, Inc.; (c) 2012 Michel Lespinasse <walken@google.com>; (c) 2012 MontaVista Software, LLC; (c) 2012 Pablo Neira Ayuso <pablo@netfilter.org>; (c) 2012 Sasha Levin <levinsasha928@gmail.com>; (c) 2012 Viresh Kumar <viresh.kumar@linaro.org>; (c) 2012 Wolfram Sang, Pengutronix; (c) 2012 by Hans Schillstrom <hans.schillstrom@ericsson.com>; (c) 2012 by Lemonage GmbH; (c) 2012 by Pablo Neira Ayuso <pablo@netfilter.org>; (c) 2012 by Vyatta Inc.; (c) 2012-2013 - Mauro Carvalho Chehab; (c) 2012-2013 by Pablo Neira Ayuso <pablo@netfilter.org>; (c) 2013 Astaro GmbH & Co; (c) 2013 Daniel Borkmann <dborkman@redhat.com>; (c) 2013 Daniel Mack <zonque@gmail.com>; (c) 2013 Deutsche Telekom Innovation Laboratories; (c) 2013 Digital Devices GmbH; (c) 2013 Hans de Goede; (c) 2013 James Chapman <jchapman@katalix.com>; (c) 2013 Jonas Gorski <jogo@openwrt.org>; (c) 2013 ST Microelectronics; (c) 2013 Viresh Kumar <viresh.kumar@linaro.org>; (c) 2014 Daniel Mack <linux@zonque.org>; (c) 2014 Intel Corp., Rafael J. Wysocki <rafael.j.wysocki@intel.com>; (c) 2014 Jeff Layton <jlayton@primarydata.com>; (c) 2014 Luka Perkov <luka@openwrt.org>; (c) 2014 Randy C. Will <randall.will@gmail.com>; (c) 2014 ST Microelectronics; (c) 2014 Stefan Hengelein <stefan.hengelein@fau.de>; (c) 2014 Volkswagen Group Research; (c) 2014 by Pablo Neira Ayuso <pablo@netfilter.org>; (c) 2014, Sasha Levin <sasha.levin@oracle.com>; (c) 2014-2015 Pratik Patel <pratikp@codeaurora.org>; (c) 2014-2017 Valentin Rothberg <valentinrothberg@gmail.com>; (c) 2015 Borislav Petkov <bp@alien8.de>; (c) 2015 Pengutronix, Alexander Aring <aar@pengutronix.de>; (c) 2015 Red Hat GmbH; (c) 2015 ST Microelectronics; (c) 2015 by Il Han <corone.il.han@gmail.com>; (c) 2015, Quentin Casasnovas <quentin.casasnovas@oracle.com>; (c) 2015-2016 Chunyan Zhang <zhang.chunyan@linaro.org>; (c) 2015-2016 Mathieu Poirier <mathieu.poirier@linaro.org>; (c) 2015-2018 Kevin Darbyshire-Bryant <kevin@darbyshire-bryant.me.uk>; (c) 2016 Amaldo Carvalho de Melo <acme@redhat.com>; (c) 2016 Davidlohr Bueso <dave@stgolabs.net>; (c) 2016 Eric Biedeman <ebiedem@xmission.com>; (c) 2016 Pengutronix, Alexander Aring <aar@pengutronix.de>; (c) 2016 Petr Kulhavy, Barix AG; (c) 2016 by Pablo Neira Ayuso <pablo@netfilter.org>; (c) 2017 Anju T Sudhakar, IBM Corporation.; (c) 2017 Helge Deller <deller@gmx.de>; (c) 2017 Hemant K Shaw, IBM Corporation.; (c) 2017 Linaro Ltd.; (c) 2017 Linus Walleij <linus.walleij@linaro.org>; (c) 2017 Red Hat GmbH; (c) 2017 Stefano Stabellini <stefano@aporetto.com>; (c) 2017 Tobin C. Harding <me@tobin.cc>; (c) 2017, Jonathan Corbet <corbet@lwn.net>; (c) 2017-2018 Synopsys, Inc. (www.synopsys.com); (c) 2018 Eyal Birger <eyal.birger@gmail.com>; (c) 2018 Mojatau, Alexander Aring <aring@mojatau.com>; (c) 2018 Oleksandr Andrushchenko, EPAM Systems Inc.; (c) 2018 Synopsys, Inc. (www.synopsys.com); (c) Adam Belay.; (c) Aeroflex Gaisler AB; (c) Alex Holden <alex@linuxhacker.org> 1998.; (c) Amit S. Kale; (c) Andrey A. Porodko <Andrey.Porodko@gmail.com>; (c) Andriy Skulysh <askulysh@gmail.com>; (c) Architecture Software Developer's Manual, Volume; (c) Balbir Singh, IBM Corp. 2006; (c) Benjamin Herrenschmidt <benh@kernel.crashing.org> , IBM Corp; (c) Benjamin Herrenschmidt <benh@kernel.crashing.org> , IBM Corp, and Scott Wood <scottwood@freescale.com>; (c) Benjamin Reed, and the Linux PCMCIA; (c) CC Computer Consultants GmbH, 2007; (c) CC Computer Consultants GmbH, 2008; (c) COPYRIGHT 2012-2013 ARM Limited.; (c) COPYRIGHT 2013-2016 ARM Limited.; (c) COPYRIGHT 2016 ARM Limited.; (c) Carnegie Mellon University; (c) Copyright 1991-2000 Linus Torvalds; (c) Copyright 1992 Hewlett-Packard Co.; (c) Copyright 1994 - 1997 Marco van Wieringen; (c) Copyright 1994 Linus Torvalds; (c) Copyright 1995 - 1997 Marco van Wieringen; (c) Copyright 1995 1996 Linus Torvalds; (c) Copyright 1995 1996 Linus Torvalds Hacked; (c) Copyright 1995 1996, 2014 Linus Torvalds; (c) Copyright 1995 Alan Cox <alan@lxorguk.ukuu.org.uk>; (c) Copyright 1995 Apple Computer, Inc.; (c) Copyright 1995 CymruNET Ltd Innovation Centre Singleton Park; (c) Copyright 1995 Linus Torvalds; (c) Copyright 1995 Simon Guru Aleph-Null Janes NCM Network and Communications Management, Inc.; (c) Copyright 1995 by Geert Uytterhoeven (geert@linux-m68k.org) Peter De Schrijver (Peter.DeSchrijver@linux.cc.kuleuven.ac.be); (c) Copyright 1995 by Geert Uytterhoeven <geert@linux-m68k.org>; (c) Copyright 1995 by Geert Uytterhoeven, Peter De Schrijver; (c) Copyright 1995-1999 Tekram Technology Co., Ltd.; (c) Copyright 1995-2003 by Geert Uytterhoeven (geert@linux-m68k.org) Peter De Schrijver (p2@mind.be); (c) Copyright 1995-2003 by Geert Uytterhoeven <geert@linux-m68k.org>; (c) Copyright 1996 Alan Cox <alan@lxorguk.ukuu.org.uk>; (c) Copyright 1996 Alan Cox <alan@redhat.com>; (c) Copyright 1996

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David Mosberger-Tang <davidm@hpl.hp.com> Bjorn Helgaas <bjorn.helgaas@hp.com>; (c) Copyright 2002, Greg Ungerer (gerg@snapgear.com); (c) Copyright 2002,2004 Greg Kroah-Hartman; (c) Copyright 2002,2004 IBM Corp.; (c) Copyright 2002,2004,2006 Greg Kroah-Hartman; (c) Copyright 2002-2003 Grant Grundler; (c) Copyright 2002-2004 Greg Kroah-Hartman <greg@kroah.com>; (c) Copyright 2002-2004 IBM Corp.; (c) Copyright 2002-2004 by David Brownell; (c) Copyright 2002-2004, 2007 Greg Kroah-Hartman <greg@kroah.com>; (c) Copyright 2002-2005 Alex Williamson; (c) Copyright 2002-2005 Hewlett-Packard Company; (c) Copyright 2002-2010, Ralink Technology, Inc.; (c) Copyright 2002-2012, Greg Ungerer <gerg@snapgear.com>; (c) Copyright 2002-2013 Datera, Inc.; (c) Copyright 2002-2015 Yoshinori Sato <yosato@users.sourceforge.jp>; (c) Copyright 2003 Grant Grundler; (c) Copyright 2003 Hewlett-Packard; (c) Copyright 2003 Matthew Wilcox; (c) Copyright 2003 Red Hat Inc; (c) Copyright 2003, 2004 Jamie Lokier; (c) Copyright 2003, 2006 Hewlett-Packard Development Company, L.P. 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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a

library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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

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

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

code plus portions of the Library will still fall under Section 6.)

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

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Version 3, 29 June 2007

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

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Version 3, 29 June 2007

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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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7. [8]Greg Brackley Major rework of WINNT port. Clean up recvbuf and iosignal code into separate modules.
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1. mailto:%20takao_abe@xurb.jp
2. mailto:%20mark_andrews@isc.org
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This license change was announced on the 18th of August 2010 by Wim Coekaerts, on behalf of Oracle America.

Reasons for the change can be found on his blog,
http://blogs.sun.com/webmink/entry/old_code_and_old_licenses

Other related hits:

<http://www.infoworld.com/print/135999>

<http://yro.slashdot.org/comments.pl?sid=1767910&cid=33388040>

<http://sources.redhat.com/git/?p=glibc.git;a=commit;h=a7ab6ec83e144dafdc7c46b8943288f450f8e320>

The initial license problem was known over the years, as the initial Sun RPC license being non-free and incompatible with the GPL.

According to Wim Coekaert's, Oracle America VP, blog:

Relicensed

On Saturday I was able to tell Europe's Free Software developers that the licenses on the RPC code are no longer a barrier to Free software - we'll change the license to Sun's copyrights in the RPC code to a standard 3-clause BSD license, allowing inheritance of that licensing by both Debian and Fedora. I'm delighted to have been able to fix this problem, which arose not because of failure but because of the success of software freedom over many years and because of Sun's early commitment to it.

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