**OPEN SOURCE SOFTWARE NOTICE**

Please note we provide an open source software notice along with this product and/or this product firmware (in the following just “this product”). The open source software licenses are granted by the respective right holders. And the open source licenses prevail all other license information with regard to the respective open source software contained in the product, including but not limited to End User Software Licensing Agreement. This notice is provided on behalf of Huawei Technologies Co. Ltd. and any of its local subsidiaries which may have provided this product to you in your local country.

**Warranty Disclaimer**

**The open source software in this product is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY, without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the applicable licenses for more details.**

**Copyright Notice and License Texts**

**Software:** poppler 0.67.0

**Copyright notice:**

Copyright (C) 2004 Richard D. Worth  
Copyright (C) 2016 William Bader <williambader@hotmail.com>  
Copyright 2010, 2011, 2013, 2014, 2016-2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2009 Koji Otani <sho@bbr.jp>  
Copyright (C) 2017, Tobias C. Berner <tcberner@freebsd.org>  
Copyright (C) 2012 Gerald Schmidt <solahcin@gmail.com>  
Copyright (C) 2007, 2008, 2012, 2017 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2010, 2012 William Bader <williambader@hotmail.com>  
Copyright (C) 2012 William Bader <williambader@hotmail.com>  
Copyright (C) 2006 Kouhei Sutou <kou@cozmixng.org>  
Copyright (C) 2017, Jason Alan Palmer <jalanpalmer@gmail.com>  
Copyright (C) 2008, 2011, 2016, 2017, Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2013 Ed Catmur <ed@catmur.co.uk>  
Copyright 2011  
copyright 1985-2006 Adobe Systems Inc.  
Copyright (C) 2008-2010, 2012, 2014, 2017 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2015 Even Rouault <even.rouault@spatialys.com>  
Copyright 2005 Glyph & Cog, LLC  
Copyright (C) 2013, 2014 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2008-2009, Pino Toscano <pino@kde.org>  
Copyright (C) 2005 Nickolay V. Shmyrev <nshmyrev@yandex.ru>  
Copyright Hib Eris <hib@hiberis.nl> 2008, 2013  
Copyright (C) 2013, 2017, 2018 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2009, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2009 Christian Persch <chpe@gnome.org>  
Copyright (C) 2016 Alok Anand <alok4nand@gmail.com>  
Copyright (C) 2013 Lu Wang <coolwanglu@gmail.com>  
Copyright (C) 2010 Hib Eris <hib@hiberis.nl>  
Copyright (C) 2017, Jeroen Ooms <jeroenooms@gmail.com>  
Copyright (C) 2015 Li Junling <lijunling@sina.com>  
Copyright (c) 2009, Michihiro NAKAJIMA  
Copyright 2015 Markus Kilås <digital@markuspage.com>  
Copyright (C) 2011 Axel Strübing <axel.struebing@freenet.de>  
Copyright (C) 2010, 2011 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2006-2011 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright 2014 Luigi Scarso <luigi.scarso@gmail.com>  
Copyright 2010, 2012 Hib Eris <hib@hiberis.nl>  
Copyright (C) 2005, 2008, 2009, 2012, 2018, Albert Astals Cid <aacid@kde.org>  
copyright 1996-2011 Glyph & Cog, LLC.  
Copyright (C) 2010 Jan Kümmel <jan+freedesktop@snorc.org>  
Copyright (C) 2007 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2015 Aleksei Volkov <Aleksei Volkov>  
Copyright (C) 2014 Adam Reichold <adamreichold@myopera.com>  
Copyright (C) 2011 Adrian Johnson <ajohnson@redneon.com>  
Hugo Mercier <hmercier31[at]gmail.com> (c) 2008  
Copyright (C) 2009, 2011 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2014, Hans-Peter Deifel <hpdeifel@gmx.de>  
Copyright (C) 2010, 2012, 2017 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2010, 2011, 2013, 2017 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2008, 2010 Pino Toscano <pino@kde.org>  
Copyright (C) 2017, 2018, Oliver Sander <oliver.sander@tu-dresden.de>  
Copyright (C) 2009, 2011, 2012, 2015 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2015, Arseniy Lartsev <arseniy@alumni.chalmers.se>  
Copyright (C) 2010, 2011 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2008, 2012 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2009 Kovid Goyal <kovid@kovidgoyal.net>  
Copyright (C) 2011 Vittal Aithal <vittal.aithal@cognidox.com>  
Copyright 2007-2010, 2012, 2015-2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2007-2008, 2010, 2015, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2009, Shawn Rutledge <shawn.t.rutledge@gmail.com>  
Copyright (C) 2011-2013, 2015 William Bader <williambader@hotmail.com>  
Copyright (C) 2010, 2012 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2011 Kenji Uno <ku@digitaldolphins.jp>  
Copyright (C) 2015, 2016 William Bader <williambader@hotmail.com>  
Copyright (C) 2011, 2012, 2016 William Bader <williambader@hotmail.com>  
Copyright (C) 2012, Guillermo A. Amaral B. <gamaral@kde.org>  
Copyright (C) 2017 Pekka Vuorela <pekka.vuorela@jollamobile.com>  
Copyright (C) 2011, 2012 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2012 Peter Breitenlohner <peb@mppmu.mpg.de>  
Copyright (C) 2013 Fabio DUrso <fabiodurso@hotmail.it>  
Copyright (C) 2006-2007, 2013, 2016-2018, Albert Astals Cid  
Copyright (C) 2009 Jakub Wilk <jwilk@jwilk.net>  
Copyright (C) 2005-2018, Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2009 Glenn Ganz <glenn.ganz@uptime.ch>  
Copyright (C) 2011 Glad Deschrijver <glad.deschrijver@gmail.com>  
Copyright 2008, 2010 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2009, 2011, 2012, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2010, 2011, Pino Toscano <pino@kde.org>  
Copyright (C) 2009 Sanjoy Mahajan <sanjoy@mit.edu>  
Copyright (C) 2014 Steven Lee <roc.sky@gmail.com>  
Copyright (C) 2015 Philipp Reinkemeier <philipp.reinkemeier@offis.de>  
Copyright (C) 2008, 2009, 2011-2017 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2008 Brad Hards <bradh@kde.org>  
Copyright (C) 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2007, 2012, Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2008 Carl Worth <cworth@cworth.org>  
Copyright (C) 2012, 2014, 2018, Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2007 Inigo Martinez <inigomartinez@gmail.com>  
Copyright 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2012, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2012, 2017 Adrian Johnson <ajohnson@redneon.com>  
Copyright 2010, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2016, 2018, Albert Astals Cid <aacid@kde.org>  
Copyright 2002-2004 Glyph & Cog, LLC  
Copyright (C) 2013 German Poo-Caamano <gpoo@gnome.org>  
Copyright 2009 Ryszard Trojnacki <rysiek@menel.com>  
Copyright 2010, 2017 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2009-2011 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2017 Hans-Ulrich Jüttner <huj@froreich-bioscientia.de>  
Copyright (C) 2006 Dom Lachowicz <cinamod@hotmail.com>  
Copyright (C) 2014 Rodrigo Rivas Costa <rodrigorivascosta@gmail.com>  
Copyright (C) 2012 Arseny Solokha <asolokha@gmx.com>  
Copyright 2005 Jonathan Blandford <jrb@redhat.com>  
Copyright (C) 2017 Jason Crain <jason@inspiresomeone.us>  
Copyright (C) 2008, 2009 Warren Toomey <wkt@tuhs.org>  
Copyright (C) 2015-2018, Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2006, Red Hat, Inc.  
Copyright (C) 2005-2009, 2011, 2012, 2014, 2015, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2006 Rainer Keller <class321@gmx.de>  
Copyright (C) 2011, 2012, 2014 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2009 William Bader <williambader@hotmail.com>  
Copyright (C) 2010, 2012, 2013 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2006, 2013, 2016, Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2017, Adrian Johnson <ajohnson@redneon.com>  
Copyright 2005-2010, 2012, 2017 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2010, 2012, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright 2010 Mark Riedesel <mark@klowner.com>  
Copyright (C) 2007, Brad Hards <bradh@kde.org>  
Copyright (C) 2005, 2006, 2008 Brad Hards <bradh@frogmouth.net>  
Copyright 2008 Pino Toscano <pino@kde.org>  
Copyright 2007 Krzysztof Kowalczyk <kkowalczyk@gmail.com>  
Copyright 2017 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2008 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2013, 2017 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2010, Pino Toscano, <pino@kde.org>  
Copyright (C) 2009, 2011 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2009 Ross Moore <ross@maths.mq.edu.au>  
Copyright 1996-2013 Glyph & Cog, LLC  
Copyright (c) 2008-2009 Bjoern Hoehrmann <bjoern@hoehrmann.de>  
Copyright (C) 2015 Arthur Stavisky <vovodroid@gmail.com>  
Copyright (C) 2018 Ben Timby <btimby@gmail.com>  
Copyright (C) 2008, 2010 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2005, 2009, 2012, 2013, 2015, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright 2011 Pino Toscano <pino@kde.org>  
Copyright (C) 2009-2011, 2015, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright 2017 Hans-Ulrich Jüttner <huj@froreich-bioscientia.de>  
Copyright 2007, 2013, 2016 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2015 Jason Crain <jason@aquaticape.us>  
Copyright (C) 2010 OSSD CDAC Mumbai by Leena Chourey (leenac@cdacmumbai.in) and Onkar Potdar (onkar@cdacmumbai.in)  
Copyright (C) 2006 Ed Catmur <ed@catmur.co.uk>  
Copyright 2018 Chinmoy Ranjan Pradhan <chinmoyrp65@protonmail.com>  
Copyright (C) 2012, 2013, 2015, 2016 Jason Crain <jason@aquaticape.us>  
Copyright (C) 2007-2008, 2010, 2012, 2015-2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2013, Anthony Granger <grangeranthony@gmail.com>  
Copyright (C) 2014 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2015 Jeremy Echols <jechols@uoregon.edu>  
Copyright (C) 2017 Francesco Poli <invernomuto@paranoici.org>  
Copyright (C) 2010 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2007, 2008 Iñigo Martínez <inigomartinez@gmail.com>  
Copyright (C) 2011 Pino Toscano <pino@kde.org>  
Copyright (C) 2013 by Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2008, Pino Toscano <pino@kde.org>  
Copyright 2005 Jonathan Blandford <jrb@gnome.org>  
Copyright (C) 2010 Brian Cameron <brian.cameron@oracle.com>  
Copyright (C) 2013 Yury G. Kudryashov <urkud.urkud@gmail.com>  
Copyright 2006-2008 Julien Rebetez <julienr@svn.gnome.org>  
Copyright (C) 2013 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2016 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2007, 2011, 2017 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2010, 2011, Albert Astals Cid <aacid@kde.org>  
Copyright (C) 1989, 1991 Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.  
Copyright (C) 2008-2011, 2016, 2017 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2010, 2013 Suzuki Toshiya <mpsuzuki@hiroshima-u.ac.jp>  
Copyright (C) 2006 Raj Kumar <rkumar@archive.org>  
Copyright (C) 2016 Vincent Le Garrec <legarrec.vincent@gmail.com>  
Copyright (C) 2018 Klarälvdalens Datakonsult AB, a KDAB Group company, <info@kdab.com>. Work sponsored by the LiMux project of the city of Munich  
Copyright (C) 2006 Stefan Schweizer <genstef@gentoo.org>  
Copyright (C) 2006-2011, 2013 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2011, 2013 José Aliste <jaliste@src.gnome.org>  
Copyright (C) 2014 Jiri Slaby <jirislaby@gmail.com>  
Copyright (C) 2009 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2017 Oliver Sander <oliver.sander@tu-dresden.de>  
Copyright (C) 2008 Kjartan Maraas <kmaraas@gnome.org>  
Copyright (C) 2017, Hubert Figuière <hub@figuiere.net>  
Copyright 2008 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright 2010 Glyph & Cog, LLC  
Copyright (C) 2009, 2010 Ilya Gorenbein <igorenbein@finjan.com>  
Copyright (C) 2007, 2012 Albert Astals Cid <aacid@kde.org>  
Albert Astals Cid <aacid@kde.org> (c) 2010, 2017, 2018  
Copyright (C) 2011-2015, 2017 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2011, 2012, 2015 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2010-2011, Pino Toscano <pino@kde.org>  
Copyright (C) 2017 Even Rouault <even.rouault@spatialys.com>  
Copyright (C) 2018, Suzuki Toshiya <mpsuzuki@hiroshima-u.ac.jp>  
Copyright (C) 2007-2013, 2015-2018 Albert Astals Cid <aacid@kde.org>  
Copyright 2001-2003 Glyph & Cog, LLC  
Copyright (C) 2013 Suzuki Toshiya <mpsuzuki@hiroshima-u.ac.jp>  
Copyright (C) 2010 Patrick Spendrin <psml@gmx.de>  
Copyright (C) 2017 Jean Ghali <jghali@libertysurf.fr>  
Copyright (C) 2007-2008, 2010, Pino Toscano <pino@kde.org>  
Copyright 2015 André Guerreiro <aguerreiro1985@gmail.com>  
Copyright (C) 2008 Boris Toloknov <tlknv@yandex.ru>  
Copyright (C) 2009-2013 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2011 Simon Kellner <kellner@kit.edu>  
Copyright (C) 2008, 2011, 2012, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2009-2013, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2007 Free Software Foundation, Inc. <http:fsf.org/>  
Copyright (C) 2006 Paul Walmsley <paul@booyaka.com>  
Copyright (C) 2007 Krzysztof Kowalczyk <kkowalczyk@gmail.com>  
Copyright 2006 Julien Rebetez <julienr@svn.gnome.org>  
Copyright (C) 2015, 2018 Jason Crain <jason@aquaticape.us>  
Copyright 2012 Fabio DUrso  
Copyright (C) 2009, 2010, 2012, 2013 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright 2015, 2016 André Guerreiro <aguerreiro1985@gmail.com>  
Copyright (C) 2008, 2010-2012, 2014-2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2017 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2010-2016 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright 2009 Matthias Drochner <M.Drochner@fz-juelich.de>  
Copyright (C) 2011 Thomas Klausner <wiz@danbala.tuwien.ac.at>  
Copyright (C) 2013, 2017 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2005 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2006-2008, 2012, 2013, 2015, 2017 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2006 Takashi Iwai <tiwai@suse.de>  
Copyright (C) 2005, 2007, 2011 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2007-2008, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2005, Tobias Koening <tokoe@kde.org>  
Copyright (C) 2008, 2010, 2017 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2008, 2011, Pino Toscano <pino@kde.org>  
Copyright (C) 2008, 2010, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2005, Jeff Muizelaar <jeff@infidigm.net>  
Copyright (C) 2012 Tobias Koening <tobias.koenig@kdab.com>  
Copyright 2010 Jonathan Liu <net147@gmail.com>  
Copyright (C) 2004 by Enrico Ros <eros.kde@email.it>  
Copyright (C) 2009, 2012 Koji Otani <sho@bbr.jp>  
Copyright (C) 2005-2008 Jeff Muizelaar <jeff@infidigm.net>  
Copyright (C) 2006-2009, 2011, 2012, 2017, 2018 by Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2007, 2008 Brad Hards <bradh@kde.org>  
Copyright (C) 2012 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2009, 2017, 2018, Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2008, 2010, 2016-2018 Albert Astals Cid <aacid@kde.org>  
Copyright 2008, 2010 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2012 Suzuki Toshiya <mpsuzuki@hiroshima-u.ac.jp>  
Copyright 2013 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2016 Tor Lillqvist <tml@collabora.com>  
Copyright (C) 2009-2011, 2013, 2016-2018 Albert Astals Cid <aacid@kde.org>  
define xpdfCopyright Copyright 1996-2011 Glyph & Cog, LLC  
Copyright (C) 2008 Vasile Gaburici <gaburici@cs.umd.edu>  
Copyright (C) 2012, 2015, 2016 Jason Crain <jason@aquaticape.us>  
Copyright (C) 2012 Guillermo A. Amaral B. <gamaral@kde.org>  
Copyright (C) 2011-2014, 2016 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2009 David Benjamin <davidben@mit.edu>  
Copyright (C) 2012 Koji Otani <sho@bbr.jp>  
Copyright (C) 2008, 2009, 2012, 2014-2017 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2010 Jakob Voss <jakob.voss@gbv.de>  
Copyright (C) 2005-2008, 2010, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2008, 2010, 2012, 2017 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2013 Johannes Brandstätter <jbrandstaetter@gmail.com>  
Copyright 2008, 2010, 2011, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2009, 2011, 2015-2017 William Bader <williambader@hotmail.com>  
Copyright (C) 2013 Anthony Granger <grangeranthony@gmail.com>  
Copyright (C) 2008, 2009 Koji Otani <sho@bbr.jp>  
Copyright (C) 2018, Andre Heinecke <aheinecke@intevation.de>  
Copyright (c) 2008, Adrian Page, <adrian@pagenet.plus.com>  
Copyright (C) 2011-2016 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2008 Haruyuki Kawabe <Haruyuki.Kawabe@unisys.co.jp>  
Copyright (C) 2005, 2007, 2011, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2014 Hib Eris <hib@hiberis.nl>  
Copyright (C) 2016 Caolán McNamara <caolanm@redhat.com>  
Copyright 2018 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2012 Lu Wang <coolwanglu@gmail.com>  
Copyright (C) 2008, 2010, 2015, 2016, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2009, 2011-2013 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2015 William Bader <williambader@hotmail.com>  
Copyright (C) 2011 Koji Otani <sho@bbr.jp>  
Copyright (C) 2010 Nils Höglund <nils.hoglund@gmail.com>  
Copyright (C) 2012, 2014 Fabio DUrso <fabiodurso@hotmail.it>  
Copyright (C) 2011 Andreas Hartmetz <ahartmetz@gmail.com>  
Copyright (C) 2006, 2008, 2010-2013, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2013, Fabio DUrso <fabiodurso@hotmail.it>  
Copyright (C) 2006, 2008, 2010, 2012-2014, 2016-2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2011, 2014, 2017 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2008, 2016 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2006, 2011 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2005-2008, 2015, Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2014 Scott West <scott.gregory.west@gmail.com>  
Copyright (C) 2005, Albert Astals Cid  
Copyright (C) 2018 Klarälvdalens Datakonsult AB, a KDAB Group company, <info@kdab.com>. Work sponsored by the LiMux project of the city of Munich Inspired on code by  
Copyright 2012, 2013 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2008, 2011 Pino Toscano <pino@kde.org>  
Copyright (C) 2009, 2011, 2012, 2014-2016 William Bader <williambader@hotmail.com>  
Copyright (C) 2005, 2009, 2013, 2017 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2008 Jonathan Kew <jonathankew@sil.org>  
Copyright (C) 2017 Jose Aliste <jaliste@src.gnome.org>  
Copyright 2010, 2011 Hib Eris <hib@hiberis.nl>  
Copyright (C) 2005, 2006, 2008-2010, 2012, 2014, 2015, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2005, 2009, 2014 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2006 Krzysztof Kowalczyk <kkowalczyk@gmail.com>  
Copyright (C) 2008, 2018, Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2007, 2017 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2008 Koji Otani <sho@bbr.jp>  
Copyright (C) 2005-2007 Kristian Høgsberg <krh@redhat.com>  
Copyright (C) 2008, 2009, Pino Toscano <pino@kde.org>  
Copyright (C) 2007-2011, 2013, 2015 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2012, 2013-2018 Jason Crain <jason@aquaticape.us>  
Copyright 2001-2009 Glyph & Cog, LLC  
Copyright (C) 2008, 2009 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2010, 2017, Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2012 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2013 Daniel Kahn Gillmor <dkg@fifthhorseman.net>  
Carlos Garcia Campos <carlosgc@gnome.org> (c) 2010  
Copyright 2007 Julien Rebetez  
Copyright (C) 2012 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2010, 2011 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2010, 2011-2017 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2014 Peter Breitenlohner <peb@mppmu.mpg.de>  
Copyright (C) 2010, 2012, 2015, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2008, 2009, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2010 Ilya Gorenbein <igorenbein@finjan.com>  
Copyright (C) 2009 Stefan Thomas <thomas@eload24.com>  
Copyright (C) 2008, 2010, 2012, 2013 Hib Eris <hib@hiberis.nl>  
Copyright (C) 2011 Albert Astals Cid <aacid@kde.org>  
Copyright (c) 2007, Will Stephenson <wstephenson@kde.org>  
Copyright (C) 2012 Adam Reichold <adamreichold@myopera.com>  
Copyright (C) 2016 Masamichi Hosoda <trueroad@trueroad.jp>  
Copyright (C) 2017 Caolán McNamara <caolanm@redhat.com>  
Copyright (C) 2014 Pino Toscano <pino@kde.org>  
Copyright (C) 2007-2010, 2012 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2006 Scott Turner <scotty1024@mac.com>  
Copyright (C) 2013 Jason Crain <jason@aquaticape.us>  
Copyright 2011 Albert Astals cid <aacid@kde.org>  
Copyright (C) 2010 Harry Roberts <harry.roberts@midnight-labs.org>  
Copyright (C) 2015 André Esser <bepandre@hotmail.com>  
Copyright (C) 2009 Jan Jockusch <jan@jockusch.de>  
Copyright (C) 2015 Dmytro Morgun <lztoad@gmail.com>  
Copyright (C) 2011, 2015 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2010 Kenneth Berland <ken@hero.com>  
Copyright (C) 2005-2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2008, 2011, 2012, 2015-2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2010 William Bader <williambader@hotmail.com>  
Copyright 2013 Michael Weiser, <michael@weiser.dinsnail.net>  
Copyright (C) 2010 Brian Ewins <brian.ewins@gmail.com>  
Copyright (C) 2017, 2018, Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2012, 2015, Tobias Koenig <tobias.koenig@kdab.com>  
Copyright (C) 2008 Julien Rebetez <julienr@svn.gnome.org>  
Copyright (C) 2010 Philip Lorenz <lorenzph+freedesktop@gmail.com>  
Copyright 1998-2003 Glyph & Cog, LLC  
Copyright 2013 Igalia S.L.  
Copyright (c) 2009, Cyrille Berger, <cberger@cberger.net>  
Copyright (C) 2009, 2011, 2012, 2014-2017 William Bader <williambader@hotmail.com>  
Copyright (C) 2012, 2013 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2009, 2010, 2017 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2006-2009, 2011-2013, 2015-2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2008, 2010, 2011, 2016-2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2007 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2012 Hib Eris <hib@hiberis.nl>  
Copyright (C) 2006, 2007 Jeff Muizelaar <jeff@infidigm.net>  
Copyright 2010 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2008 Adam Batkin <adam@batkin.net>  
Copyright (C) 2006-2011, 2013, 2014, 2017, 2018 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright 2015 André Esser <bepandre@hotmail.com>  
Copyright (C) 2005 Dan Sheridan <dan.sheridan@postman.org.uk>  
Copyright (C) 2013 Thomas Fischer <fischer@unix-ag.uni-kl.de>  
Copyright (C) 2006 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2006-2010, 2012, 2014-2018 Albert Astals Cid <aacid@kde.org>  
Copyright 2017, 2018 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2011 Steven Murdoch <Steven.Murdoch@cl.cam.ac.uk>  
Copyright (C) 2010 Jakub Wilk <jwilk@jwilk.net>  
Copyright (C) 2011-2013 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2018 Mojca Miklavec <mojca@macports.org>  
Copyright (C) 2012, Fabio DUrso <fabiodurso@hotmail.it>  
Copyright (C) 2015, Tamas Szekeres <szekerest@gmail.com>  
Copyright (C) 2012, 2013, 2017, 2018 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2013 Mihai Niculescu <q.quark@gmail.com>  
Copyright (C) 2008, 2009 Chris Wilson <chris@chris-wilson.co.uk>  
Copyright (C) 2010 Suzuki Toshiya <mpsuzuki@hiroshima-u.ac.jp>  
Copyright (C) 2009, 2014-2016 William Bader <williambader@hotmail.com>  
Copyright (C) 2017, Hans-Ulrich Jüttner <huj@froreich-bioscientia.de>  
Copyright (C) 2014 Jason Crain <jason@aquaticape.us>  
Copyright (C) 2016, 2017 Adrian Johnson <ajohnson@redneon.com>  
Copyright 2005-2007, 2009-2011, 2017 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 1991,1996-1999,2001,2004 Free Software Foundation, Inc.  
Copyright (C) 2005 Brad Hards <bradh@frogmouth.net>  
Copyright (C) 2011 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2005, Net Integration Technologies, Inc.  
Copyright (C) 2005, 2007 Jeff Muizelaar <jeff@infidigm.net>  
Copyright (C) 2013, 2014 Jason Crain <jason@aquaticape.us>  
Copyright (C) 2007, 2008, 2011, Pino Toscano <pino@kde.org>  
Copyright (C) 2016, Albert Astals Cid <aacid@kde.org>  
Copyright 2017 Bernd Kuhls <berndkuhls@hotmail.com>  
Copyright (C) 2010-2012, 2014 Hib Eris <hib@hiberis.nl>  
Copyright (C) 2011, Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2011 Andrea Canciani <ranma42@gmail.com>  
Copyright (C) 2010, Pino Toscano <pino@kde.org>  
Copyright (C) 2005-2007 Jeff Muizelaar <jeff@infidigm.net>  
Copyright (C) 2006 Julien Rebetez  
Copyright (C) 2006-2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2015, 2018 Adam Reichold <adam.reichold@t-online.de>  
Copyright (C) 2013, 2016 Pino Toscano <pino@kde.org>  
Copyright 2007 Brad Hards <bradh@kde.org>  
Copyright 2004 Glyph & Cog, LLC  
Copyright (C) 2005 Martin Kretzschmar <martink@gnome.org>  
Copyright (C) 2010-2013 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2014 Anuj Khare <khareanuj18@gmail.com>  
Copyright (C) 2007, Pino Toscano <pino@kde.org>  
Copyright (C) 2013 Adrian Perez de Castro <aperez@igalia.com>  
Copyright (C) 2008, 2012 Hib Eris <hib@hiberis.nl>  
Copyright (C) 2006 Kristian Høgsberg <krh@bitplanet.net>  
Copyright (C) 2014 Olly Betts <olly@survex.com>  
Copyright (C) 2011, 2013, 2014, 2016 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright 1999-2000 G. Ovtcharov  
Copyright (C) 2015 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2010 Tomas Hoger <thoger@redhat.com>  
Copyright (C) 2009 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2005-2013, 2016-2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2012, 2015 Adam Reichold <adamreichold@myopera.com>  
Copyright (C) 2014 Richard PALO <richard@netbsd.org>  
Copyright (c) 2006, David Faure, <faure@kde.org>  
Copyright 2011 Daniel Glöckner <daniel-gl@gmx.net>  
Copyright (C) 2012 Mark Brand <mabrand@mabrand.nl>  
Copyright (C) 2012, 2013, 2016-2018 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2010 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2010 David Benjamin <davidben@mit.edu>  
Copyright 2014, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2008, 2010, Pino Toscano <pino@kde.org>  
Copyright (C) 2006 Thorkild Stray <thorkild@ifi.uio.no>  
Copyright (C) 2009 M Joonas Pihlaja <jpihlaja@cc.helsinki.fi>  
Copyright (C) 2006 Jeff Muizelaar <jeff@infidigm.net>  
Copyright 2008, 2011 Pino Toscano <pino@kde.org>  
Copyright (C) 2007 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2005, 2007, Brad Hards <bradh@frogmouth.net>  
Copyright (C) 2007-2013 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright 2008 Pino Toscano, <pino@kde.org>  
Copyright (C) 2010, Patrick Spendrin <psml@gmx.de>  
Copyright (C) 2016 Adrian Johnson <ajohnson@redneon.com>  
Copyright 2009 Stefan Thomas <thomas@eload24.com>  
Copyright (C) 2013, 2015 Adam Reichold <adamreichold@myopera.com>  
Copyright (C) 2010, Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2010, 2018 Albert Astals Cid <aacid@kde.org>  
Albert Astals Cid <aacid@kde.org> (C) 2017, 2018  
Copyright (C) 2013 Julien Nabet <serval2412@yahoo.fr>  
Copyright (C) 2009, 2011, Pino Toscano <pino@kde.org>  
Copyright (c) 2006, Alexander Neundorf, <neundorf@kde.org>  
Copyright 2018 Albert Astals Cid <aacid@kde.org> 2018 License: GPLv2 /  
Copyright (C) 2009 Ilya Gorenbein <igorenbein@finjan.com>  
Copyright (C) 2011 Igalia S.L.  
Copyright (C) 2007 Julien Rebetez <julienr@svn.gnome.org>  
Copyright (C) 2004 by Albert Astals Cid <tsdgeos@terra.es>  
Copyright 2015, 2017 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2015 Adam Reichold <adamreichold@myopera.com>  
Copyright (C) 2014 Till Kamppeter <till.kamppeter@gmail.com>  
Copyright (C) 2008 Hugo Mercier <hmercier31@gmail.com>  
Copyright (C) 2009, 2011-2013 Albert Astals Cid <aacid@kde.org>  
Copyright 2001-2007 Glyph & Cog, LLC  
Copyright (C) 2012, 2017 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2009, 2016 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2007-2010, 2017 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2007-2009, 2011, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2010, 2011, 2014 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2009 Till Kamppeter <till.kamppeter@gmail.com>  
Copyright (C) 2017 Léonard Michelet <leonard.michelet@smile.fr>  
Copyright (C) 2009, 2011, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright 2018 Albert Astals Cid <aacid@kde.org>  
Copyright 1996-2007 Glyph & Cog, LLC  
Copyright (C) 2006-2008, 2011-2013 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2012 Markus Trippelsdorf <markus@trippelsdorf.de>  
Copyright (C) 2006, 2011, 2015, 2017, 2018 by Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2013 Pino Toscano <pino@kde.org>  
Copyright (C) 2005, Stefan Kebekus <stefan.kebekus@math.uni-koeln.de>  
Copyright (C) 2009, 2011, 2012, 2015 William Bader <williambader@hotmail.com>  
Copyright (C) 2010 Mike Slegeir <tehpola@yahoo.com>  
Copyright (C) 2016 Jason Crain <jason@aquaticape.us>  
Copyright (C) 2015 André Guerreiro <aguerreiro1985@gmail.com>  
Copyright (C) 2007 Ed Catmur <ed@catmur.co.uk>  
Copyright (C) 2018, Zsombor Hollay-Horvath <hollay.horvath@gmail.com>  
Copyright 2016 Markus Kilås <digital@markuspage.com>  
Copyright (C) 2016, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2008-2009 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2012 Tobias Koenig <tokoe@kdab.com>  
Copyright (C) 2007-2008, 2010, 2014 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2005 Takashi Iwai <tiwai@suse.de>  
Copyright 2018 Adam Reichold <adam.reichold@t-online.de>  
Copyright (C) 2006, 2010 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright 2013, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2008, Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2005-2015, 2017, Albert Astals Cid <aacid@kde.org>  
Copyright 2016 Jeffrey Morlan <jmmorlan@sonic.net>  
Copyright (C) 2010 Jonathan Liu <net147@gmail.com>  
Copyright (C) 2008 Tomas Are Haavet <tomasare@gmail.com>  
fprintf(stderr, %s, Copyright 1999-2003 Gueorgui Ovtcharov and Rainer Dorsch);  
Copyright (C) 2011 Joshua Richardson <jric@chegg.com>  
Copyright (C) 2013 Dmytro Morgun <lztoad@gmail.com>  
Copyright (C) 2009, 2012, 2013 Albert Astals Cid <aacid@kde.org>  
Copyright 2009 Glyph & Cog, LLC  
Copyright (C) 2005-2013, 2015-2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2011, 2014 William Bader <williambader@hotmail.com>  
Copyright (C) 2006-2008, 2012, 2013 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2009, 2011, 2012 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2012, 2013, 2017 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2008 Timothy Lee <timothy.lee@siriushk.com>  
Copyright (C) 2014 Ed Porras <ed@moto-research.com>  
Copyright (C) 2008-2010, 2012-2014, 2016-2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2015 Petr Gajdos <pgajdos@suse.cz>  
Copyright 2015, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2010 Srinivas Adicherla <srinivas.adicherla@geodesic.com>  
Copyright (C) 2007-2009, 2011, 2014 by Pino Toscano <pino@kde.org>  
Copyright (C) 2009 Jonathan Kew <jonathankew@sil.org>  
Copyright (c) 2008, Albert Astals Cid, <aacid@kde.org>  
Copyright (C) 2010 Matthias Fauconneau <matthias.fauconneau@gmail.com>  
Copyright (C) 2012 Marek Kasik <mkasik@redhat.com>  
Copyright Krzysztof Kowalczyk 2006-2007 License: GPLv2 /  
Copyright (C) 2009, 2011-2016 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2006 Nickolay V. Shmyrev <nshmyrev@yandex.ru>  
Copyright (C) 2017 Vincent Le Garrec <legarrec.vincent@gmail.com>  
Copyright (C) 2015, 2017 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2007-2008, 2011, Pino Toscano <pino@kde.org>  
Copyright (C) 2006 Dominic Lachowicz <cinamod@hotmail.com>  
Copyright (C) 2012 Luis Parravicini <lparravi@gmail.com>  
Copyright (C) 2006-2011, 2015 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2005-2013, 2015, 2017 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2015 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2015 Marek Kasik <mkasik@redhat.com>  
Copyright 2007, 2008, 2011 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2018 Evangelos Foutras <evangelos@foutrelis.com>  
Copyright (C) 2007-2010, 2012, 2016-2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2013, 2017 Suzuki Toshiya <mpsuzuki@hiroshima-u.ac.jp>  
Copyright (C) 2012, 2013 Fabio DUrso <fabiodurso@hotmail.it>  
Copyright (C) 2009 Nick Jones <nick.jones@network-box.com>  
Copyright (C) 2013 José Aliste <jaliste@src.gnome.org>  
Copyright 2014 Fabio DUrso <fabiodurso@hotmail.it>  
Copyright 2013, 2014 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2006, 2007 Ed Catmur <ed@catmur.co.uk>  
Copyright (C) 2006, 2008, 2017, Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2010, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2017, 2018 Oliver Sander <oliver.sander@tu-dresden.de>  
Copyright (C) 2005 Jeff Muizelaar <jeff@infidigm.net>  
Copyright (c) 2006-2010 Alexander Neundorf, <neundorf@kde.org>  
Copyright (C) 2009, 2011, 2012, 2014, 2015 William Bader <williambader@hotmail.com>  
Copyright (C) 2008 Richard Airlie <richard.airlie@maglabs.net>  
Copyright (C) 2006-2010, 2012-2014, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright 2010 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2013 Christoph Duelli <duelli@melosgmbh.de>  
Copyright (C) 2008 Julien Rebetez <julien@fhtagn.net>  
Copyright (C) 2008 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2011 Sam Liao <phyomh@gmail.com>  
Copyright (C) 2016, Hanno Meyer-Thurow <h.mth@web.de>  
Copyright (C) 2007, 2009, 2018, Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2007, 2009, Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2012, 2013 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2016, 2017 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2006 Kristian Høgsberg <krh@redhat.com>  
Copyright (C) 2005, 2008, 2010 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2011 Tom Gleason <tom@buildadam.com>  
Copyright (C) 2009 Shen Liang <shenzhuxi@gmail.com>  
Copyright (C) 2014 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright 2017 Jan-Erik S <janerik234678@gmail.com>  
Copyright (C) 2012, 2014, 2015 Adam Reichold <adamreichold@myopera.com>  
Copyright (C) 2009-2016 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2006 Pino Toscano <pino@kde.org>  
Copyright (C) 2011 Hib Eris <hib@hiberis.nl>  
Copyright (C) 2005, 2007-2011, 2014, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright 2005 Jeff Muizelaar <jeff@infidigm.net>  
Copyright (C) 2015, 2016 Jason Crain <jason@aquaticape.us>  
Copyright (C) 2010 Pino Toscano <pino@kde.org>  
Copyright (C) 2008, 2014, Pino Toscano <pino@kde.org>  
Copyright 2014 Peter Breitenlohner <peb@mppmu.mpg.de>  
Copyright 2008-2010 Pino Toscano, <pino@kde.org>  
Copyright (C) 2010, Philip Lorenz <lorenzph+freedesktop@gmail.com>  
Copyright (C) 2017 Suzuki Toshiya <mpsuzuki@hiroshima-u.ac.jp>  
Copyright 2009 KDAB via Guillermo Amaral <gamaral@amaral.com.mx>  
Copyright © 2003 USC, Information Sciences Institute  
Copyright (C) 2017 Kay Dohmann <k.dohmann@gmx.net>  
Copyright (C) 2015 Suzuki Toshiya <mpsuzuki@hiroshima-u.ac.jp>  
Copyright (C) 2012 Pino Toscano <pino@kde.org>  
Copyright (C) 2009 Peter Kerzum <kerzum@yandex-team.ru>  
Copyright 2015 Jakub Wilk <jwilk@jwilk.net>  
Copyright (C) 2010, 2014 Hib Eris <hib@hiberis.nl>  
Copyright (C) 2005 Jonathan Blandford <jrb@redhat.com>  
Copyright (C) 2012 Patrick Pfeifer <p2000@mailinator.com>  
Copyright (C) 2017 Fredrik Fornwall <fredrik@fornwall.net>  
Copyright (C) 2015 Tamas Szekeres <szekerest@gmail.com>  
Copyright (C) 2014 Aki Koskinen <freedesktop@akikoskinen.info>  
Copyright (C) 2009 Reece Dunn <msclrhd@gmail.com>  
Copyright (C) 2012 Igor Slepchin <igor.slepchin@gmail.com>  
Copyright (C) 2016, William Bader <williambader@hotmail.com>  
Copyright (C) 2008 Inigo Martinez <inigomartinez@gmail.com>  
Copyright 2015 Adam Reichold <adam.reichold@t-online.de>  
Copyright (C) 2006-2010, 2012-2014, 2016, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2005-2010, 2012, 2013, 2015, 2017, 2018, Albert Astals Cid <aacid@kde.org>  
Copyright 2014, 2016 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2012, 2014, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2009-2011, 2013-2015, 2017 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2012 Horst Prote <prote@fmi.uni-stuttgart.de>  
Copyright (C) 2012, 2013 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2010, 2013 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2006-2010, Pino Toscano <pino@kde.org>  
Copyright (C) 2014, 2015 Hans-Peter Deifel <hpdeifel@gmx.de>  
Copyright (C) 2008-2017 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2006, 2008 Pino Toscano <pino@kde.org>  
Copyright (C) 2014, 2015 Marek Kasik <mkasik@redhat.com>  
Copyright 2008 Mark Kaplan <mkaplan@finjan.com>  
Copyright (C) 2018 Intevation GmbH <intevation@intevation.de>  
Copyright (C) 2005-2013, 2016, 2017 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2013, 2018 Adam Reichold <adamreichold@myopera.com>  
Copyright 2010, 2012 Mark Riedesel <mark@klowner.com>  
Copyright (C) 2011 Edward Jiang <ejiang@google.com>  
Copyright (C) 2017, Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2012, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2009 Eric Toombs <ewtoombs@uwaterloo.ca>  
Copyright 2017 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2009-2011, Pino Toscano <pino@kde.org>  
Albert Astals Cid <aacid@kde.org> (c) 2017, 2018  
Copyright (C) 2010 Marek Kasik <mkasik@redhat.com>  
Copyright 2015, 2016 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2011-2014 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2005, 2008, Brad Hards <bradh@frogmouth.net>  
Copyright 2018 Klarälvdalens Datakonsult AB, a KDAB Group company, <info@kdab.com>. Work sponsored by the LiMux project of the city of Munich  
Copyright (C) 2010, 2012 Hib Eris <hib@hiberis.nl>  
Copyright (C) 2018 Stefan Brüns <stefan.bruens@rwth-aachen.de>  
Copyright (C) 2005, 2007-2010, 2012, 2015, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2012 Oliver Sander <sander@mi.fu-berlin.de>  
Copyright (C) 2008, 2012, 2014, 2016, 2017 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2008 Hugo Mercier <hmercier31[@]gmail.com>  
Copyright (C) 2012 Even Rouault <even.rouault@mines-paris.org>  
Copyright (C) 2009, 2012, 2014, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2005, 2008, 2009, 2012, 2013, 2018, Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2008, 2010, 2014 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2006-2007, Pino Toscano <pino@kde.org>  
Copyright © 2009 Mozilla Corporation  
Copyright (C) 2017 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2012, Adam Reichold <adamreichold@myopera.com>  
Copyright (C) 2017 Christoph Cullmann <cullmann@kde.org>  
Copyright (C) 2013, 2014 Fabio DUrso <fabiodurso@hotmail.it>  
Copyright (C) 2008, 2010, 2011, 2014 by Pino Toscano <pino@kde.org>  
Copyright 1997-2002 Glyph & Cog, LLC  
Copyright 2013 Adrian Johnson <ajohnson@redneon.com>  
Copyright 1999-2003 Glyph & Cog, LLC  
Copyright (C) 2006, 2008-2010, 2012 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2007, 2009 Jonathan Kew <jonathankew@sil.org>  
Copyright 2007-2012, 2015-2017 Albert Astals Cid <aacid@kde.org>  
Copyright 2010, 2013, 2016, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2007-2008, Pino Toscano <pino@kde.org>  
Copyright (C) 2007-2008 Julien Rebetez <julienr@svn.gnome.org>  
Copyright (C) 2009, 2011 Axel Struebing <axel.struebing@freenet.de>  
Copyright 2008-2010, 2012, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2005, Red Hat, Inc.  
Copyright (C) 2009 Matthias Franz <matthias@ktug.or.kr>  
Copyright (C) 2016 Takahiro Hashimoto <kenya888.en@gmail.com>  
Copyright (C) 2005, 2008, 2015, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2018 Andreas Gruenbacher <agruenba@redhat.com>  
Copyright (C) 2004, Red Hat, Inc.  
Copyright (C) 2005-2006 Kristian Høgsberg <krh@redhat.com>  
Copyright (C) 2013, 2017 Adrian Johnson <ajohnson@redneon.com>  
Copyright 2002-2003 Glyph & Cog, LLC  
Copyright 2018 Andre Heinecke <aheinecke@intevation.de>  
Copyright 2008 Michael Vrable <mvrable@cs.ucsd.edu>  
Copyright (C) 2010, Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2018, Albert Astals Cid <aacid@kde.org>  
Copyright 2014 Bogdan Cristea <cristeab@gmail.com>  
Copyright (C) 2016 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright 2007 Iñigo Martínez <inigomartinez@gmail.com>  
Copyright (C) 2006, 2009, 201, 2010, 2013, 2014, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2010 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2008 Pino Toscano <pino@kde.org>  
Copyright (C) 2006-2011, Pino Toscano <pino@kde.org>  
Copyright (C) 2012 Igor Slepchin <igor.redhat@gmail.com>  
Copyright (C) 2008, 2010 Hib Eris <hib@hiberis.nl>  
Copyright (C) 2013-2016, 2018 Jason Crain <jason@aquaticape.us>  
Copyright (C) 2008 Michael Vrable <mvrable@cs.ucsd.edu>  
Copyright (C) 2016 Khaled Hosny <khaledhosny@eglug.org>  
Copyright (C) 2012, 2013, 2016 Thomas Freitag <Thomas.Freitag@kabelmail.de>  
Copyright (C) 2008, Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2016 Marek Kasik <mkasik@redhat.com>  
Copyright 1996-2011 Glyph & Cog, LLC  
Copyright (C) 2013 Adam Reichold <adamreichold@myopera.com>  
Copyright (C) 2008 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2012, 2015 Tobias Koenig <tokoe@kdab.com>  
Copyright (C) 2005, Brad Hards <bradh@frogmouth.net>  
Copyright 2011 Daiki Ueno <ueno@unixuser.org>  
Copyright (C) 2007, 2010, 2012, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2007 Koji Otani <sho@bbr.jp>  
Copyright (C) 2009, Pino Toscano <pino@kde.org>  
Copyright (C) 2015 Kenji Uno <ku@digitaldolphins.jp>  
Copyright (C) 2005, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2005 Kristian Høgsberg <krh@redhat.com>  
Copyright 1996-2003 Glyph & Cog, LLC  
Copyright (C) 2008, 2009, Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2014 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2009 Michael K. Johnson <a1237@danlj.org>  
Copyright (C) 2007, 2009, 2010, 2015, Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2006, 2008, 2011 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2009-2010, Pino Toscano <pino@kde.org>  
Copyright (C) 2013 Dominik Haumann <dhaumann@kde.org>  
Copyright (C) 2005, 2009, 2014, 2015, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Pino Toscano <pino@kde.org> (c) 2008  
Copyright (C) 2005, 2006 Kristian Høgsberg <krh@redhat.com>  
Copyright (C) 2008 Ilya Gorenbein <igorenbein@finjan.com>  
Copyright 2004 Red Hat, Inc  
Copyright (C) 2010, 2011 Hib Eris <hib@hiberis.nl>  
Copyright (C) 2005-2008, 2010, 2011, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2012 Alexey Pavlov <alexpux@gmail.com>  
Copyright (C) 2010 Jürg Billeter <j@bitron.ch>  
Copyright 2015 Jason Crain <jason@aquaticape.us>  
Copyright (C) 2016 Arseniy Lartsev <arseniy@alumni.chalmers.se>  
Copyright (C) 2012 Matthias Kramm <kramm@quiss.org>  
Copyright 2013, 2014 Igalia S.L.  
Copyright (C) 2013 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2009, 2010, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2008 Ed Avis <eda@waniasset.com>  
Copyright Krzysztof Kowalczyk 2006-2007  
Copyright (C) 2005, 2007-2009, 2011-2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2013 Peter Breitenlohner <peb@mppmu.mpg.de>  
Copyright (C) 2007, 2010, Pino Toscano, <pino@kde.org>  
Copyright (C) 2017 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2005, 2009, 2012, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2014 Fabio DUrso <fabiodurso@hotmail.it>  
Copyright 2012 Fabio DUrso <fabiodurso@hotmail.it>  
Copyright 2010, 2013 Pino Toscano <pino@kde.org>  
Copyright (C) 2012, Tobias Koenig <tokoe@kdab.com>  
Copyright (C) 2005 Jeff Muizelaar <jrmuizel@nit.ca>  
Copyright (C) 2010 Paweł Wiejacha <pawel.wiejacha@gmail.com>  
Copyright (C) 2006, 2009, 2012-2015, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2006, 2008, 2010 Pino Toscano <pino@kde.org>  
Copyright (C) 2012-2014, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright 2000-2003 Glyph & Cog, LLC  
Copyright (C) 2012 Fabio DUrso <fabiodurso@hotmail.it>  
Copyright (C) 2011 Jim Meyering <jim@meyering.net>  
Copyright 2007-2008, 2011 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2009, 2010 David Benjamin <davidben@mit.edu>  
Copyright (C) 2010, 2012, Guillermo Amaral <gamaral@kdab.com>  
Copyright (C) 2014, 2017 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2012, Tobias Koenig <tobias.koenig@kdab.com>  
Copyright (C) 2013, 2014, 2017 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2010, Hib Eris <hib@hiberis.nl>  
Copyright (C) 2013 Hib Eris <hib@hiberis.nl>  
Copyright (C) 2006-2008 Pino Toscano <pino@kde.org>  
Copyright (C) 2008 Iñigo Martínez <inigomartinez@gmail.com>  
Tobias Koenig <tobias.koenig@kdab.com> (c) 2012  
Copyright (C) 2008 Hib Eris <hib@hiberis.nl>  
Copyright (C) 2018 Adam Reichold <adam.reichold@t-online.de>  
Copyright (C) 2008 Kees Cook <kees@outflux.net>  
Copyright (C) 2006, 2007, 2009, 2012, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2011, 2012 Igor Slepchin <igor.slepchin@gmail.com>  
Copyright (C) 2016 Jakub Alba <jakubalba@gmail.com>  
Copyright (C) 2018, Adam Reichold <adam.reichold@t-online.de>  
Copyright (C) 2013 Igalia S.L.  
Copyright (C) 2009 Shawn Rutledge <shawn.t.rutledge@gmail.com>  
Copyright 2015 Dmytro Morgun <lztoad@gmail.com>  
Copyright (C) 2008, 2010, 2013, 2014, 2017 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2007 Jeff Muizelaar <jeff@infidigm.net>  
Copyright (C) 2008, 2016-2018 Albert Astals Cid <aacid@kde.org>  
Copyright 2011 Tomas Hoger <thoger@redhat.com>  
Copyright 2017 Sebastian Rasmussen <sebras@gmail.com>  
Copyright (C) 2011, 2012, 2017 Adrian Johnson <ajohnson@redneon.com>  
Copyright (C) 2007, 2008 Julien Rebetez <julienr@svn.gnome.org>  
Copyright (C) 2011, 2013 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2007-2008, 2010, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2011, 2012 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2006, 2010, 2013, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2006, 2009 Albert Astals Cid <aacid@kde.org>  
Copyright 2015 André Guerreiro, <aguerreiro1985@gmail.com>  
Copyright (C) 2008, 2010, 2011 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2012-2014 Fabio DUrso <fabiodurso@hotmail.it>  
Copyright (C) 2009 Petr Gajdos <pgajdos@novell.com>  
Copyright 1997 Derek B. Noonburg  
Copyright (C) 2006, 2007, 2010, 2013, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright 2004 Red Hat, INC  
Copyright (C) 2005 Marco Pesenti Gritti <mpg@redhat.com>  
Copyright (C) 2013 Li Junling <lijunling@sina.com>  
Copyright (C) 2006-2008, Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2012 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 1991,93,96,97,99,2000,2002 Free Software Foundation, Inc.  
Copyright © 2004 Red Hat, Inc.  
Copyright (C) 1989, 1991 Free Software Foundation, Inc.  
Copyright 2003 Glyph & Cog, LLC  
Copyright 2005 Martin Kretzschmar <martink@gnome.org>  
Copyright (C) 2009 Pino Toscano <pino@kde.org>  
Copyright (C) 2006, 2007, 2013 Ed Catmur <ed@catmur.co.uk>  
Copyright (C) 2012 Yi Yang <ahyangyi@gmail.com>  
Copyright (C) 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2013 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2009 Darren Kenny <darren.kenny@sun.com>  
Copyright (c) 2006,2007 Laurent Montel, <montel@kde.org>  
Copyright (C) 2006, 2007, 2010, 2011 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2007, Brad Hards <bradh@frogmouth.net>  
Copyright (C) 2007 Ilmari Heikkinen <ilmari.heikkinen@gmail.com>  
Copyright 2017 Roland Hieber <r.hieber@pengutronix.de>  
Copyright (C) 2007-2008, 2010, 2011, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2007 Iñigo Martínez <inigomartinez@gmail.com>  
Copyright (C) 2007 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2008, 2017 Adrian Johnson <ajohnson@redneon.com>  
Copyright 2010 Hib Eris <hib@hiberis.nl>  
Copyright (C) 2006, 2010 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2013, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2005, 2007, 2009-2011, 2013, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2010 Christian Feuersänger <cfeuersaenger@googlemail.com>  
Copyright (C) 2011 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2007, 2010, 2011 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright 2014, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2011 Stephen Reichling <sreichling@chegg.com>  
Copyright (C) 2009 Warren Toomey <wkt@tuhs.org>  
Copyright 1997-2003 Glyph & Cog, LLC  
Copyright (C) 2010, 2013 Hib Eris <hib@hiberis.nl>  
Copyright (C) 2009, 2010, 2017, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2007 Brad Hards <bradh@kde.org>  
Copyright (C) 2014 Bogdan Cristea <cristeab@gmail.com>  
Copyright (C) 2010, 2013 Thomas Freitag <Thomas.Freitag@alfa.de>  
Copyright (C) 2012 Ihar Filipau <thephilips@gmail.com>  
Copyright (C) 2010 Carlos Garcia Campos <carlosgc@gnome.org>  
Copyright (C) 2008, 2018 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2009 Albert Astals Cid <aacid@kde.org>  
Copyright (C) 2007, 2008, 2011, 2013 Carlos Garcia Campos <carlosgc@gnome.org>

**License:** (GPLv2 or GPLv3) and GPLv2+ and LGPLv2+ and MIT

GNU GENERAL PUBLIC LICENSE  
Version 2, June 1991  
  
Copyright (C) 1989, 1991 Free Software Foundation, Inc.  
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA  
  
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.  
  
Preamble  
  
The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.  
  
When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.  
  
To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.  
  
For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.  
  
We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.  
  
Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.  
  
Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.  
  
The precise terms and conditions for copying, distribution and modification follow.  
  
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION  
  
0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".  
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.  
  
1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.  
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.  
  
2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:  
a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.  
b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.  
c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)  
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, 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 Program, 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.  
  
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.  
  
In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.  
  
3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:  
a) 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; or,  
b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,  
c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)  
The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. 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.  
  
If distribution of executable or 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 counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.  
  
4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.  
5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.  
6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.  
7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.  
If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.  
  
It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.  
  
This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.  
  
8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.  
9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.  
Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.  
  
10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.  
NO WARRANTY  
  
11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.  
12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.  
END OF TERMS AND CONDITIONS  
  
How to Apply These Terms to Your New Programs  
  
If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.  
  
To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.  
  
<one line to give the program's name and an idea of what it does.>   
Copyright (C) <yyyy> <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 2 of the License, or (at your option) any later version.  
  
This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.  
  
You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.  
  
Also add information on how to contact you by electronic and paper mail.  
  
If the program is interactive, make it output a short notice like this when it starts in an interactive mode:  
  
Gnomovision version 69, Copyright (C) year name of author Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.  
  
The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.  
  
You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:  
  
Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.  
  
<signature of Ty Coon>, 1 April 1989 Ty Coon, President of Vice  
  
This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.  
  
GNU GENERAL PUBLIC LICENSE  
Version 3, 29 June 2007  
  
Copyright © 2007 Free Software Foundation, Inc. <<https://fsf.org/>>  
  
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.  
  
Preamble  
  
The GNU General Public License is a free, copyleft license for software and other kinds of works.  
  
The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.  
  
When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.  
  
To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.  
  
For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.  
  
Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.  
  
For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.  
  
Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.  
  
Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.  
  
The precise terms and conditions for copying, distribution and modification follow.  
  
TERMS AND CONDITIONS  
  
0. Definitions.  
"This License" refers to version 3 of the GNU General Public License.  
  
"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.  
  
"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.  
  
To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.  
  
A "covered work" means either the unmodified Program or a work based on the Program.  
  
To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.  
  
To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.  
  
An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.  
  
1. Source Code.  
The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.  
A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.  
  
The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.  
  
The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.  
  
The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.  
  
The Corresponding Source for a work in source code form is that same work.  
  
2. Basic Permissions.  
All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.  
You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.  
  
Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.  
  
3. Protecting Users' Legal Rights From Anti-Circumvention Law.  
No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.  
When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.  
  
4. Conveying Verbatim Copies.  
You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.  
You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.  
  
5. Conveying Modified Source Versions.  
You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:  
a) The work must carry prominent notices stating that you modified it, and giving a relevant date.  
b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".  
c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.  
d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.  
A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.  
  
6. Conveying Non-Source Forms.  
You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:  
a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.  
b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.  
c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.  
d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.  
e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.  
A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.  
  
A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.  
  
"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.  
  
If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).  
  
The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.  
  
Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.  
  
7. Additional Terms.  
"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.  
When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.  
  
Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:  
  
a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or  
b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or  
c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or  
d) Limiting the use for publicity purposes of names of licensors or authors of the material; or  
e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or  
f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.  
All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.  
  
If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.  
  
Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.  
  
8. Termination.  
You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).  
However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.  
  
Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.  
  
Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.  
  
9. Acceptance Not Required for Having Copies.  
You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.  
10. Automatic Licensing of Downstream Recipients.  
Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.  
An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.  
  
You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.  
  
11. Patents.  
A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".  
A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.  
  
Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.  
  
In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.  
  
If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.  
  
If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.  
  
A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.  
  
Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.  
  
12. No Surrender of Others' Freedom.  
If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.  
13. Use with the GNU Affero General Public License.  
Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.  
14. Revised Versions of this License.  
The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.  
Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.  
  
If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.  
  
Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.  
  
15. Disclaimer of Warranty.  
THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.  
16. Limitation of Liability.  
IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.  
17. Interpretation of Sections 15 and 16.  
If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.  
  
END OF TERMS AND CONDITIONS  
  
How to Apply These Terms to Your New Programs  
  
If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.  
  
To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.  
  
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>  
  
This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.  
  
This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.  
  
You should have received a copy of the GNU General Public License along with this program. If not, see <<https://www.gnu.org/licenses/>>.  
  
Also add information on how to contact you by electronic and paper mail.  
  
If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:  
  
<program> Copyright (C) <year> <name of author>  
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.  
  
The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".  
  
You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <<https://www.gnu.org/licenses/>>.  
  
The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <<https://www.gnu.org/licenses/why-not-lgpl.html>>.  
  
GNU GENERAL PUBLIC LICENSE  
Version 2, June 1991  
  
Copyright (C) 1989, 1991 Free Software Foundation, Inc.  
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA  
  
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.  
  
Preamble  
  
The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.  
  
When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.  
  
To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.  
  
For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.  
  
We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.  
  
Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.  
  
Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.  
  
The precise terms and conditions for copying, distribution and modification follow.  
  
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION  
  
0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".  
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.  
  
1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.  
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.  
  
2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:  
a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.  
b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.  
c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)  
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, 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 Program, 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.  
  
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.  
  
In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.  
  
3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:  
a) 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; or,  
b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,  
c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)  
The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. 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.  
  
If distribution of executable or 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 counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.  
  
4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.  
5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.  
6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.  
7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.  
If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.  
  
It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.  
  
This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.  
  
8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.  
9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.  
Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.  
  
10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.  
NO WARRANTY  
  
11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.  
12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.  
END OF TERMS AND CONDITIONS  
  
How to Apply These Terms to Your New Programs  
  
If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.  
  
To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.  
  
<one line to give the program's name and an idea of what it does.>  
Copyright (C) <yyyy> <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 2 of the License, or (at your option) any later version.  
  
This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.  
  
You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.  
  
Also add information on how to contact you by electronic and paper mail.  
  
If the program is interactive, make it output a short notice like this when it starts in an interactive mode:  
  
Gnomovision version 69, Copyright (C) year name of author Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.  
  
The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.  
  
You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:  
  
Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.  
  
<signature of Ty Coon>, 1 April 1989 Ty Coon, President of Vice  
  
This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.  
  
GNU LIBRARY GENERAL PUBLIC LICENSE  
  
Version 2, June 1991  
  
Copyright (C) 1991 Free Software Foundation, Inc.  
51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA  
  
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.  
  
[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]  
  
Preamble  
  
The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.  
  
This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.  
  
When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.  
  
To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.  
  
For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.  
  
Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.  
  
Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.  
  
Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.  
  
Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.  
  
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.  
  
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION  
  
0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".  
A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.  
  
The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)  
  
"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.  
  
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.  
  
1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.  
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.  
  
2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:  
a) The modified work must itself be a software library.  
b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.  
c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.  
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.)  
  
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.  
  
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.  
  
In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.  
  
3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.  
Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.  
  
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.  
You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:  
  
a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)  
b) 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.  
  
It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.  
  
7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:  
a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.  
b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.  
8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.  
9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.  
10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.  
11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.  
If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.  
  
It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.  
  
This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.  
  
12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.  
13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.  
Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.  
  
14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.  
NO WARRANTY  
  
15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.  
16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.  
END OF TERMS AND CONDITIONS  
  
How to Apply These Terms to Your New Libraries  
  
If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).  
  
To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.  
  
one line to give the library's name and an idea of what it does.  
Copyright (C) year name of author  
  
This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.  
  
This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.  
  
You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA.  
  
Also add information on how to contact you by electronic and paper mail.  
  
You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:  
  
Yoyodyne, Inc., hereby disclaims all copyright interest in  
the library `Frob' (a library for tweaking knobs) written  
by James Random Hacker.  
  
signature of Ty Coon, 1 April 1990  
Ty Coon, President of Vice  
  
That's all there is to it!  
  
MIT License  
  
Copyright (c) <year> <copyright holders>  
  
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:  
  
The above copyright notice and this permission notice (including the next paragraph) shall be included in all copies or substantial portions of the Software.  
  
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

**Written Offer**

This product contains software whose rights holders license it on the terms of the GNU General Public License, version 2 (GPLv2) and/or other open source software licenses. We will provide you and any third party with the source code of the software licensed under an open source software license if you send us a written request by mail or email to the following addresses:

foss@huawei.com

detailing the name of the product and the firmware version for which you need the source code and indicating how we can contact you.

Please note you need to make a payment before you obtain the complete Corresponding Source Code from us. For how much you will pay and how we will deliver the complete Corresponding Source Code to you, we will further discuss it by mail or email.

This offer is valid to anyone in receipt of this information.

**This offer is valid for three years from the moment we distributed the product or firmware .**