rohdeschwarz/aspnet-rsvisa:3.1buster-slim Docker Image Open Source Acknowledgment



© 2021 Rohde & Schwarz GmbH & Co. KG Mühldorfstr. 15, 81671 München, Germany

Phone: +49 89 41 29 - 0
Fax: +49 89 41 29 12 164
Email: info@rohde-schwarz.com
Internet: www.rohde-schwarz.com

Subject to change – Data without tolerance limits is not binding. R&S^{@} is a registered trademark of Rohde & Schwarz GmbH & Co. KG.

Trade names are trademarks of their owners.

rohdeschwarz/aspnet-rsvisa:3.1-buster-slim

# Contents

1	Introduction	5
2	Software packages	6
3	Verbatim license texts	21
4	Copyrights	136

How to obtain the source code

# 1 Introduction

This product uses a number of open source software packages which are listed in the section "Software packages" on page 6.

The open source software is provided free of charge. You are entitled to use the open source software in accordance with the respective license conditions as provided in the following chapters.

Rohde & Schwarz would like to thank the open source community for their valuable contribution to our products.

# 1.1 Disclaimer

The open source software is distributed WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. The respective licenses may contain more details.

# 1.2 How to obtain the source code

The software included in this product may contain copyrighted software that is licensed under a license requiring us to provide the source code of that software, such as the GPL or LGPL. You may obtain the complete corresponding source code for such copyrighted software from us for an unlimited period of time and at no charge. In this case, please contact:

Rohde & Schwarz GmbH & Co. KG

Mühldorfstr. 15, 81671 München, Germany

Phone: +49 89 41 29 - 12345

Email: customersupport@rohde-schwarz.com

Internet: www.customersupport.rohde-schwarz.com

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

# 2 Software packages

➤ The software contained in this product makes use of the following open source software packages.

Package	Version	License
adduser	3.118	GNU General Public License v2.0
apt	1.8.2.1	GNU General Public License v2.0
avahi	1.0.0	GNU Lesser General Public License v2.1
base-files	10.3+deb10u6	GNU General Public License v2.0
base-passwd	3.5.46	GNU General Public License v2.0 AND GNU Free Documentation License v1.3
bash	5.0-4	GNU General Public License v3.0 AND GNU Free Documentation License v1.3
bsdutils	2.33.1-0.1	public-domain AND BSD 2-clause "Simplified" License AND BSD 3-clause "New" or "Revised" License AND BSD 4-clause "Original" or "Old" License AND GNU General Public License v2.0 AND GNU General Public License v2.0 or later AND GNU General Public License v3.0 or later AND GNU Library General Public License v2 AND GNU Library General Public License v2 or later AND GNU Library General Public License v2 or later AND GNU Lesser General Public License v2.1 or later AND GNU Lesser General Public License v3.0 or later AND MIT License
ca-certificates	20200601~deb1 0u1	GNU General Public License v2.0 or later AND Mozilla Public License 2.0
coreutils	8.30-3	GNU General Public License v3.0 or later AND GNU Free Documentation License v1.2 or later
curl	7.64.0-4+deb10u 1	public-domain AND BSD 3-clause "New" or "Revised" License AND BSD 4-clause "Original" or "Old" License AND ISC License AND curl License
dash	0.5.10.2-5	GNU General Public License v2.0 or later

Package	Version	License
dbus	1.12.20-0+deb10 u1	g10-permissive AND BSD 3-clause "New" or "Revised" License AND GNU General Public License v2.0 or later AND GNU General Public License v2.0 or later AND Academic Free License v2.1 AND GNU General Public License v2.0 or later AND Academic Free License v2.1 AND Tcl-BSDish AND MIT License
debconf	1.5.71	BSD 2-clause "Simplified" License
debian-archive- keyring	2019.1	GNU General Public License v2.0 or later
debianutils	4.8.6.1	GNU General Public License v2.0 or later AND Smail General Public License
diffutils	3.7-3	GNU General Public License v3.0 or later AND GNU Free Documentation License v1.3
dpkg	1.19.7	BSD 2-clause "Simplified" License AND GNU General Public License v2.0 AND GNU General Public License v2.0 or later
e2fsprogs	1.44.5-1+deb10u 3	GNU General Public License v2.0 AND GNU Library General Public License v2 AND MIT License
fdisk	2.33.1-0.1	public-domain AND BSD 2-clause "Simplified" License AND BSD 3-clause "New" or "Revised" License AND BSD 4-clause "Original" or "Old" License AND GNU General Public License v2.0 AND GNU General Public License v2.0 or later AND GNU General Public License v3.0 or later AND GNU Library General Public License v2 AND GNU Library General Public License v2 or later AND GNU Library General Public License v2 or later AND GNU Lesser General Public License v2.1 or later AND GNU Lesser General Public License v3.0 or later AND MIT License
findutils	4.6.0+git +20190209-2	GNU General Public License v3.0 or later AND GNU Free Documentation License v1.3 or later

Package	Version	License
gcc-8-base	8.3.0-6	GNU General Public License v3.0 or later AND GNU Free Documentation License v1.2 AND GNU Library General Public License v2 or later AND GNU Lesser General Public License v2.1 or later AND GNU General Public License v2.0 or later AND GNU General Public License v1.0 AND Artistic License 1.0
gpgv	2.2.12-1+deb10u 1	BSD 3-clause "New" or "Revised" License AND Creative Commons Zero v1.0 Universal AND GNU General Public License v3.0 or later AND GNU General Public License v3.0 or later AND BSD 3-clause "New" or "Revised" License AND GNU Lesser General Public License v2.1 or later AND GNU Lesser General Public License v3.0 or later AND MIT License AND RFC Reference
grep	3.3-1	GNU General Public License v3.0 or later
gzip	1.9-3	GNU General Public License v3.0 or later
hostname	3.21	GNU General Public License v2.0
init-system-help- ers	1.56+nmu1	BSD 3-clause "New" or "Revised" License AND GNU General Public License v2.0 or later
libacl1	2.2.53-4	GNU General Public License v2.0 or later AND GNU Library General Public License v2 or later
libapparmor1	2.13.2-10	BSD 3-clause "New" or "Revised" License OR GNU General Public License v2.0 or later AND GNU General Public License v2.0 AND GNU General Public License v2.0 or later AND GNU Lesser General Public License v2.1 or later
libapt-pkg5.0	1.8.2.1	GNU General Public License v2.0 or later
libattr1	2.4.48-4	GNU General Public License v2.0 or later AND GNU Library General Public License v2 or later
libaudit-common	2.8.4-3	GNU General Public License v2.0 AND GNU Lesser General Public License v2.1
libaudit1	2.8.4-3	GNU General Public License v2.0 AND GNU Lesser General Public License v2.1
libavahi-client3	0.7-4+b1	GNU Library General Public License v2 or later AND GNU General Public License v2.0 AND GNU Lesser General Public License v2.1

Package	Version	License
libavahi-com- mon-data	0.7-4+b1	GNU Library General Public License v2 or later AND GNU General Public License v2.0 AND GNU Lesser General Public License v2.1
libavahi-com- mon3	0.7-4+b1	GNU Library General Public License v2 or later AND GNU General Public License v2.0 AND GNU Lesser General Public License v2.1
libblkid1	2.33.1-0.1	public-domain AND BSD 2-clause "Simplified" License AND BSD 3-clause "New" or "Revised" License AND BSD 4-clause "Original" or "Old" License AND GNU General Public License v2.0 AND GNU General Public License v2.0 or later AND GNU General Public License v3.0 or later AND GNU Library General Public License v2 AND GNU Library General Public License v2 or later AND GNU Library General Public License v2 or later AND GNU Lesser General Public License v2.1 or later AND GNU Lesser General Public License v3.0 or later AND MIT License
libbz2-1.0	1.0.6-9.2~deb10 u1	BSD-variant AND GNU General Public License v2.0
libc-bin	2.28-10	GNU Lesser General Public License v2.1 or later AND GNU General Public License v2.0 or later AND The Inner Net License Version 2.00
libc6	2.28-10	GNU Library General Public License v2 or later AND GNU General Public License v2.0 or later AND The Inner Net License Version 2.00
libc6	2.23	GNU Lesser General Public License v2.1
libcap-ng0	0.7.9-2	GNU Lesser General Public License v2.1 or later AND GNU General Public License v2.0 or later
libcom-err2	1.44.5-1+deb10u 3	unknown
libcurl4	7.64.0-4+deb10u 1	public-domain AND BSD 3-clause "New" or "Revised" License AND BSD 4-clause "Original" or "Old" License AND ISC License AND curl License
libdb5.3	5.3.28+dfsg1-0.5	unknown

Package	Version	License
libdbus-1-3	1.12.20-0+deb10 u1	g10-permissive AND BSD 3-clause "New" or "Revised" License AND GNU General Public License v2.0 or later AND GNU General Public License v2.0 or later AND Academic Free License v2.1 AND GNU General Public License v2.0 or later AND Academic Free License v2.1 AND Tcl-BSDish AND MIT License AND Expat
libdebconfclient0	0.249	unknown
libexpat1	2.2.6-2+deb10u1	MIT License
libext2fs2	1.44.5-1+deb10u 3	GNU General Public License v2.0 AND BSD AND MIT License AND GNU Library General Public License v2
libfdisk1	2.33.1-0.1	public-domain AND BSD 2-clause "Simplified" License AND BSD 3-clause "New" or "Revised" License AND BSD 4-clause "Original" or "Old" License AND GNU General Public License v2.0 AND GNU General Public License v2.0 or later AND GNU General Public License v3.0 or later AND GNU Library General Public License v2 AND GNU Library General Public License v2 or later AND GNU Library General Public License v2 or later AND GNU Lesser General Public License v2.1 or later AND GNU Lesser General Public License v3.0 or later AND MIT License
libffi6	8.3.0-6	GNU General Public License v2.0 or later  GNU General Public License v3.0 or later AND  GNU Free Documentation License v1.2 AND  GNU Library General Public License v2 or later AND  GNU Lesser General Public License v2.1 or later AND  GNU General Public License v2.0 or later AND  GNU General Public License v1.0 AND  Artistic License 1.0
libgcrypt20	1.8.4-5	GNU Lesser General Public License v2.1 or later AND BSD 3-clause "New" or "Revised" License AND public-domain AND X-License AND OCB-license-1

Package	Version	License
libgmp10	6.1.2+dfsg-4	GNU General Public License v3.0 or later AND
		GNU General Public License v2.0 or later AND
		GNU Lesser General Public License v3.0 or later
libgnutls30	3.6.7-4+deb10u5	Apache License 2.0 AND
		GNU Lesser General Public License v2.1 or later AND
		GNU General Public License v3.0 or later AND
		GNU Free Documentation License v1.3 or later AND
		Creative Commons Zero v1.0 Universal AND
		MIT License AND
		GNU Affero General Public License v3.0 AND
		GNU Lesser General Public License v3.0 or later AND
		GNU General Public License v2.0 or later
libgpg-error0	1.35-1	g10-permissive AND
		GNU General Public License v3.0 or later AND
		GNU Lesser General Public License v2.1 or later AND
		GNU Lesser General Public License v2.1 or later AND
		BSD 3-clause "New" or "Revised" License
libgssapi-krb5-2	1.17-3	Creative Commons Attribution Share Alike 3.0 AND
		Open LDAP Public License v2.8 AND
		GNU General Public License v2.0
libhogweed4	3.4.1-1	GAP AND
		public-domain AND
		GNU General Public License v2.0 AND
		GNU General Public License v2.0 or later AND
		GNU General Public License v2.0 or later AND
		Autoconf exception AND
		GNU Library General Public License v2 or later AND
		GNU Lesser General Public License v2.1 or later
libicu63	63.1-6+deb10u1	ICU License AND
		Unicode License Agreement - Data Files and Software (2015) AND RFC Reference
libidn2-0	2.0.5-1+deb10u1	Unicode License Agreement - Data Files and Software (2015) AND
	2.0.0 1 400 1001	GNU General Public License v3.0 or later AND
		GNU Lesser General Public License v3.0 or later OR
		GNU General Public License v2.0 or later
		Office Control i abilio Elocitico V2.0 Of latel

Package	Version	License
libk5crypto3	1.17-3	BSD 2-clause "Simplified" License AND
		BSD 3-clause "New" or "Revised" License AND
		MIT License AND
		BSD-3-Clause Variant 2 License AND
		FSF Unlimited License - Retention Variant AND
		Open LDAP Public License v2.8 AND
		CMU License AND
		MIT Mach-CMU License AND
		BSD 4-clause "Original" or "Old" License AND
		ISC License AND
		RSA Message-Digest License AND
		BSD 2-clause "Simplified" License AND
		GNU General Public License v2.0 or later AND
		Creative Commons Attribution Share Alike 3.0 AND
		BSD AES Variant License AND
		OpenVision AND
		RSA-MD4 AND
		RFC-BCP78 AND
		MIT-export AND
		MIT-export-2 AND
		MIT-export-3 AND
		MIT-Var01
libkeyutils1	1.6-6	GNU General Public License v2.0 or later AND
		GNU Library General Public License v2 or later

Package	Version	License
libkrb5-3	1.17-3	BSD 2-clause "Simplified" License AND
		BSD 3-clause "New" or "Revised" License AND
		MIT License AND
		BSD-3-Clause Variant 2 License AND
		FSF Unlimited License - Retention Variant AND
		Open LDAP Public License v2.8 AND
		CMU License AND
		MIT Mach-CMU License AND
		BSD 4-clause "Original" or "Old" License AND
		ISC License AND
		RSA Message-Digest License AND
		BSD 2-clause "Simplified" License AND
		GNU General Public License v2.0 or later AND
		Creative Commons Attribution Share Alike 3.0 AND
		BSD AES Variant License AND
		OpenVision AND
		RSA-MD4 AND
		RFC-BCP78 AND
		MIT-export AND
		MIT-export-2 AND
		MIT-export-3 AND
		MIT-Var01

D
D
)
AND
er AND
)

Package	Version	License
libldap-common	2.4.47+dfsg-3+d eb10u3	Open LDAP Public License v2.8 AND MIT License AND Spencer License 94 AND RFC Reference AND ISC IBM License AND ISC License AND ISC License AND MIT Old Style with legal disclaimer AND BSD Ancestral License AND BSD 4-clause "Original" or "Old" License AND GNU Library General Public License v2 or later AND GNU General Public License v1.0 or later AND GNU General Public License v2.0 AND BSD-2-Var04
liblz4-1	1.8.3-1	BSD 2-clause "Simplified" License AND GNU General Public License v2.0 AND GNU General Public License v2.0 or later
liblzma5	5.2.4-1	FSF All Permissive License AND FSF Unlimited License - Retention Variant AND GNU General Public License v2.0 AND Autoconf exception 2.0 AND GNU General Public License v2.0 AND GNU General Public License v2.0 or later AND GNU Lesser General Public License v2.1 or later AND GNU General Public License v3.0 WITH Autoconf macro exception
libmount1	2.33.1-0.1	public-domain AND BSD 2-clause "Simplified" License AND BSD 3-clause "New" or "Revised" License AND BSD 4-clause "Original" or "Old" License AND GNU General Public License v2.0 AND GNU General Public License v2.0 or later AND GNU General Public License v3.0 or later AND GNU Library General Public License v2 AND GNU Library General Public License v2 or later AND GNU Library General Public License v2 or later AND GNU Lesser General Public License v2.1 or later AND GNU Lesser General Public License v3.0 or later AND MIT License
libncursesw6	6.1+20181013-2 +deb10u2	X11 License AND BSD 3-clause "New" or "Revised" License

Package	Version	License
libnettle6	3.4.1-1	public-domain AND GNU General Public License v2.0 AND GNU General Public License v2.0 or later AND GNU General Public License v2.0 or later AND Autoconf exception 2.0 AND FSF All Permissive License AND GNU Library General Public License v2 or later AND GNU Lesser General Public License v2.1 or later
libnghttp2-14	1.36.0-2+deb10u 1	SIL Open Font License 1.1 AND FSF All Permissive License AND BSD 2-clause "Simplified" License AND GNU General Public License v3.0 or later WITH Autoconf macro exception AND MIT License
libp11-kit0	0.23.15-2	permissive-like-automake-output AND BSD 3-clause "New" or "Revised" License AND ISC License AND ISC IBM License
libpam-modules	1.3.1-5	Dual License BSD and GPL
libpam-modules- bin	1.3.1-5	Dual License BSD and GPL
libpam-runtime	1.3.1-5	Dual License BSD and GPL
libpam0g	1.3.1-5	Dual License BSD and GPL
libpcre3	8.39-12	PCRE License AND BSD 3-clause "New" or "Revised" License
libpsl5	0.20.2-2	BSD 3-clause "New" or "Revised" License AND MIT License
libqt5core5a libqt5gui5 libqt5widgets5	5.5.1	GNU Lesser General Public License v3.0 OR (GNU Lesser General Public License v2.1 WITH Digia QT Exception-1.1-LGPL-2.1)
librtmp1	2.4+20151223.gi tfa8646d.1-2	GNU General Public License v2.0 or later AND GNU Lesser General Public License v2.1 or later
libsasl2-2	2.1.27+dfsg-1+d eb10u1	BSD 4-clause "Original" or "Old" License AND GNU General Public License v3.0 or later
libsasl2-mod- ules-db	2.1.27+dfsg-1+d eb10u1	BSD 4-clause "Original" or "Old" License AND GNU General Public License v3.0 or later
libseccomp2	2.3.3-4	GNU Lesser General Public License v2.1
libselinux1	2.8-1+b1	GNU Lesser General Public License v2.1 or later AND GNU General Public License v2.0

Package	Version	License
libsemanage- common	2.8-2	GNU Lesser General Public License v2.1 or later AND GNU General Public License v2.0
libsemanage1	2.8-2	GNU Lesser General Public License v2.1 or later AND GNU General Public License v2.0
libsepol1	2.8-1	GNU Lesser General Public License v2.1 or later AND GNU General Public License v2.0
libsmartcols1	2.33.1-0.1	BSD 2-clause "Simplified" License AND BSD 3-clause "New" or "Revised" License AND BSD 4-clause "Original" or "Old" License AND GNU General Public License v2.0 AND GNU General Public License v2.0 or later AND GNU General Public License v3.0 or later AND GNU Library General Public License v2 AND GNU Library General Public License v2 or later AND GNU Library General Public License v2 or later AND GNU Lesser General Public License v2.1 or later AND GNU Lesser General Public License v3.0 or later AND MIT License
libss2	1.44.5-1+deb10u 3	MIT Old Style (no advertising without permission) AND BSD-3-Clause Variant 2 License AND GNU Library General Public License v2 AND GNU General Public License v2.0 AND MIT License
libssh2-1	1.8.0-2.1	BSD 3-clause "New" or "Revised" License
libssl1.1	1.1.1d-0+deb10u 3	OpenSSL License
libstdc++6	8.3.0-6	GNU General Public License v3.0 or later WITH GCC Runtime Library exception 3.1
libstdc++6	5.4	GNU General Public License v3.0 WITH GCC Runtime Library exception 3.1
libsystemd0	241-7~deb10u4	public-domain AND Creative Commons Zero v1.0 Universal AND GNU General Public License v2.0 AND GNU General Public License v2.0 or later AND GNU Lesser General Public License v2.1 or later AND MIT License
libtasn1-6	4.13-3	GNU Lesser General Public License v2.1 or later AND GNU General Public License v3.0 or later AND GNU Free Documentation License v1.3
libtinfo6	6.1+20181013-2 +deb10u2	X11 License AND BSD 3-clause "New" or "Revised" License

Package	Version	License
libudev1	241-7~deb10u4	public-domain AND Creative Commons Zero v1.0 Universal AND GNU General Public License v2.0 AND GNU General Public License v2.0 or later AND GNU Lesser General Public License v2.1 or later AND MIT License
libunistring2	0.9.10-1	FSF Unlimited License - Retention Variant AND GNU General Public License v2.0 or later AND GNU General Public License v2.0 or later AND Autoconf exception 2.0 AND GNU General Public License v3.0 or later AND GNU General Public License v3.0 or later AND GNU Free Documentation License v1.2 or later AND GNU Lesser General Public License v3.0 or later OR GNU General Public License v2.0 or later AND MIT License
libusb	1.0.0	GNU Lesser General Public License v2.1
libusb-1.0-0	1.0.22-2	GNU Lesser General Public License v2.1 or later AND GNU General Public License v2.0 or later
libuuid1	2.33.1-0.1	public-domain AND BSD 2-clause "Simplified" License AND BSD 3-clause "New" or "Revised" License AND BSD 4-clause "Original" or "Old" License AND GNU General Public License v2.0 AND GNU General Public License v2.0 or later AND GNU General Public License v3.0 or later AND GNU Library General Public License v2 AND GNU Library General Public License v2 or later AND GNU Library General Public License v2 or later AND GNU Lesser General Public License v2.1 or later AND GNU Lesser General Public License v3.0 or later AND MIT License
libzstd1	1.3.8+dfsg-3	BSD 3-clause "New" or "Revised" License AND GNU General Public License v2.0 AND GNU General Public License v2.0 or later AND MIT License AND zlib License
login	4.5-1.1	BSD 3-clause "New" or "Revised" License AND BSD 2-clause "Simplified" License
mawk	1.3.3-17+b3	GNU General Public License v2.0

Package	Version	License
mount	2.33.1-0.1	public-domain AND BSD 2-clause "Simplified" License AND BSD 3-clause "New" or "Revised" License AND BSD 4-clause "Original" or "Old" License AND GNU General Public License v2.0 AND GNU General Public License v2.0 or later AND GNU General Public License v3.0 or later AND GNU Library General Public License v2 AND GNU Library General Public License v2 or later AND GNU Library General Public License v2 or later AND GNU Lesser General Public License v3.0 or later AND GNU Lesser General Public License v3.0 or later AND MIT License
ncurses-base	6.1+20181013-2 +deb10u2	X11 License AND BSD 3-clause "New" or "Revised" License
ncurses-bin	6.1+20181013-2 +deb10u2	X11 License AND BSD 3-clause "New" or "Revised" License
openssl	1.1.1d-0+deb10u 3	OpenSSL License
passwd	4.5-1.1	BSD 3-clause "New" or "Revised" License AND TCP Wrappers License AND GNU General Public License v2.0 or later
perl-base	5.28.1-6+deb10u	Unicode License Agreement - Data Files and Software (2015) AND GNU General Public License v1.0 or later OR Artistic License 1.0 (Perl) AND GNU Lesser General Public License v2.1 AND GNU General Public License v2.0 or later AND Creative Commons Zero v1.0 Universal AND FSF All Permissive License AND BSD 2-Clause FreeBSD License AND BSD 3-clause "New" or "Revised" License AND PCSC-LITE License AND BSD 4-clause "Original" or "Old" License AND MIT License AND GNU General Public License v3.0 or later WITH Bison exception 2.2 AND Spencer License 86 AND Text::Tabs License AND bzip2 and libbzip2 License AND s2p License AND Paul Hsieh derivative license AND Artistic License 2.0

Package	Version	License
protobuf	3.0.0	BSD 3-clause "New" or "Revised" License
sed	4.7-1	GNU General Public License v3.0 or later AND
		GNU Free Documentation License v1.3 or later
sysvinit-utils	2.93-8	GNU General Public License v2.0 or later
tar	1.30+dfsg-6	GNU General Public License v2.0 or later AND
		GNU General Public License v3.0 or later
tzdata	2020a-0+deb10u	public domain
util-linux	2.33.1-0.1	public-domain AND
atii iii ax	2.00.1 0.1	BSD 2-clause "Simplified" License AND
		BSD 3-clause "New" or "Revised" License AND
		BSD 4-clause "Original" or "Old" License AND
		GNU General Public License v2.0 AND
		GNU General Public License v2.0 or later AND
		GNU General Public License v3.0 or later AND
		GNU Library General Public License v2 AND
		GNU Library General Public License v2 or later AND
		GNU Lesser General Public License v2.1 or later AND
		GNU Lesser General Public License v3.0 or later AND
		MIT License
vfprintf.c	1.37	BSD 3-clause "New" or "Revised" License
vfscanf.c	1.21	BSD 3-clause "New" or "Revised" License
zlib1g	1.2.11.dfsg-1	zlib License

This software includes code from XZ Utils http://tukaani.org/xz/

# 3 Verbatim license texts

# 3.1 Academic Free License v2.1

The Academic Free License v.2.1

This Academic Free License (the "License") applies to any original work of authorship (the "Original Work") whose owner (the "Licensor") has placed the following notice immediately following the copyright notice for the Original Work:

Licensed under the Academic Free License version 2.1

- 1) Grant of Copyright License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perpetual, sublicenseable license to do the following:
- a) to reproduce the Original Work in copies;
- b) to prepare derivative works ("Derivative Works") based upon the Original Work;
- c) to distribute copies of the Original Work and Derivative Works to the public;
- d) to perform the Original Work publicly; and
- e) to display the Original Work publicly.
- 2) Grant of Patent License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perpetual, sublicenseable license, under patent claims owned or controlled by the Licensor that are embodied in the Original Work as furnished by the Licensor, to make, use, sell and offer for sale the Original Work and Derivative Works.
- 3) Grant of Source Code License. The term "Source Code" means the preferred form of the Original Work for making modifications to it and all available documentation describing how to modify the Original Work. Licensor hereby agrees to provide a machine-readable copy of the Source Code of the Original Work along with each copy of the Original Work that Licensor distributes. Licensor reserves the right to satisfy this obligation by placing a machine-readable copy of the Source Code in an information repository reasonably calculated to permit inexpensive and convenient access by You for as long as Licensor continues to distribute the Original Work, and by publishing the address of that information repository in a notice immediately following the copyright notice that applies to the Original Work.
- 4) Exclusions From License Grant. Neither the names of Licensor, nor the names of any contributors to the Original Work, nor any of their trademarks or service marks, may be used to endorse or promote products derived from this Original Work without express prior written permission of the Licensor. Nothing in this License shall be deemed to grant any rights to trademarks, copyrights, patents, trade secrets or any other intellectual property of Licensor except as expressly stated herein. No patent license is granted to make, use, sell or offer to sell embodiments of any patent claims other than the licensed claims defined in Section 2. No right is granted to the trademarks of Licensor even if such marks are included in the Original Work. Nothing in this License shall be interpreted to prohibit Licensor from licensing under different terms

Academic Free License v2.1

from this License any Original Work that Licensor otherwise would have a right to license.

- 5) This section intentionally omitted.
- 6) Attribution Rights. You must retain, in the Source Code of any Derivative Works that You create, all copyright, patent or trademark notices from the Source Code of the Original Work, as well as any notices of licensing and any descriptive text identified therein as an "Attribution Notice." You must cause the Source Code for any Derivative Works that You create to carry a prominent Attribution Notice reasonably calculated to inform recipients that You have modified the Original Work.
- 7) Warranty of Provenance and Disclaimer of Warranty. Licensor warrants that the copyright in and to the Original Work and the patent rights granted herein by Licensor are owned by the Licensor or are sublicensed to You under the terms of this License with the permission of the contributor(s) of those copyrights and patent rights. Except as expressly stated in the immediately proceeding sentence, the Original Work is provided under this License on an "AS IS" BASIS and WITHOUT WARRANTY, either express or implied, including, without limitation, the warranties of NON-INFRINGE-MENT, MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY OF THE ORIGINAL WORK IS WITH YOU. This DISCLAIMER OF WARRANTY constitutes an essential part of this License. No license to Original Work is granted hereunder except under this disclaimer.
- 8) Limitation of Liability. Under no circumstances and under no legal theory, whether in tort (including negligence), contract, or otherwise, shall the Licensor be liable to any person for any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or the use of the Original Work including, without limitation, damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses. This limitation of liability shall not apply to liability for death or personal injury resulting from Licensor's negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.
- 9) Acceptance and Termination. If You distribute copies of the Original Work or a Derivative Work, You must make a reasonable effort under the circumstances to obtain the express assent of recipients to the terms of this License. Nothing else but this License (or another written agreement between Licensor and You) grants You permission to create Derivative Works based upon the Original Work or to exercise any of the rights granted in Section 1 herein, and any attempt to do so except under the terms of this License (or another written agreement between Licensor and You) is expressly prohibited by U.S. copyright law, the equivalent laws of other countries, and by international treaty. Therefore, by exercising any of the rights granted to You in Section 1 herein, You indicate Your acceptance of this License and all of its terms and conditions.
- 10) Termination for Patent Action. This License shall terminate automatically and You may no longer exercise any of the rights granted to You by this License as of the date You commence an action, including a cross-claim or counterclaim, against Licensor or any licensee alleging that the Original Work infringes a patent. This termination provision shall not apply for an action alleging patent infringement by combinations of the Original Work with other software or hardware.

- 11) Jurisdiction, Venue and Governing Law. Any action or suit relating to this License may be brought only in the courts of a jurisdiction wherein the Licensor resides or in which Licensor conducts its primary business, and under the laws of that jurisdiction excluding its conflict-of-law provisions. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any use of the Original Work outside the scope of this License or after its termination shall be subject to the requirements and penalties of the U.S. Copyright Act, 17 U.S.C. § 101 et seq., the equivalent laws of other countries, and international treaty. This section shall survive the termination of this License.
- 12) Attorneys Fees. In any action to enforce the terms of this License or seeking damages relating thereto, the prevailing party shall be entitled to recover its costs and expenses, including, without limitation, reasonable attorneys' fees and costs incurred in connection with such action, including any appeal of such action. This section shall survive the termination of this License.
- 13) Miscellaneous. This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable.
- 14) Definition of "You" in This License. "You" throughout this License, whether in upper or lower case, means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with you. For purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.
- 15) Right to Use. You may use the Original Work in all ways not otherwise restricted or conditioned by this License or by law, and Licensor promises not to interfere with or be responsible for such uses by You.

This license is Copyright (C) 2003-2004 Lawrence E. Rosen. All rights reserved. Permission is hereby granted to copy and distribute this license without modification. This license may not be modified without the express written permission of its copyright owner.

# 3.2 GNU Affero General Public License v3.0

GNU AFFERO GENERAL PUBLIC LICENSE

Version 3, 19 November 2007

Copyright (C) 2007 Free Software Foundation, Inc. <https://fsf.org/&gt;

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU Affero General Public License is a free, copyleft license for software and other kinds of works, specifically designed to ensure cooperation with the community in the case of network server software.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, our General Public Licenses are 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.

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.

Developers that use our General Public Licenses protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License which gives you legal permission to copy, distribute and/or modify the software.

A secondary benefit of defending all users' freedom is that improvements made in alternate versions of the program, if they receive widespread use, become available for other developers to incorporate. Many developers of free software are heartened and encouraged by the resulting cooperation. However, in the case of software used on network servers, this result may fail to come about. The GNU General Public License permits making a modified version and letting the public access it on a server without ever releasing its source code to the public.

The GNU Affero General Public License is designed specifically to ensure that, in such cases, the modified source code becomes available to the community. It requires the operator of a network server to provide the source code of the modified version running there to the users of that server. Therefore, public use of a modified version, on a publicly accessible server, gives the public access to the source code of the modified version.

An older license, called the Affero General Public License and published by Affero, was designed to accomplish similar goals. This is a different license, not a version of the Affero GPL, but Affero has released a new version of the Affero GPL which permits relicensing under this license.

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 Affero 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 para-

graph, 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 s ue 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. Remote Network Interaction; Use with the GNU General Public License.

Notwithstanding any other provision of this License, if you modify the Program, your modified version must prominently offer all users interacting with it remotely through a computer network (if your version supports such interaction) an opportunity to receive the Corresponding Source of your version by providing access to the Corresponding Source from a network server at no charge, through some standard or customary means of facilitating copying of software. This Corresponding Source shall include the Corresponding Source for any work covered by version 3 of the GNU General Public License that is incorporated pursuant to the following paragraph.

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 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 work with which it is combined will remain governed by version 3 of the GNU General Public License.

#### 14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU Affero 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 Affero 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 Affero 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 Affero 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 MERCHANT-ABILITY 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.&gt;

Copyright (C) <year&gt; &lt;name of author&gt;

This program is free software: you can redistribute it and/or modify it under the terms of the GNU Affero 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 WAR-RANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Affero General Public License for more details.

You should have received a copy of the GNU Affero General Public License along with this program. If not, see <https://www.gnu.org/licenses/&gt;.

Also add information on how to contact you by electronic and paper mail.

If your software can interact with users remotely through a computer network, you should also make sure that it provides a way for users to get its source. For example, if your program is a web application, its interface could display a "Source" link that leads users to an archive of the code. There are many ways you could offer source, and different solutions will be better for different programs; see section 13 for the specific requirements.

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 AGPL, see <https://www.gnu.org/licenses/&gt;.

# 3.3 Apache License 2.0

Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty

Apache License 2.0

percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

- 2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, nocharge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
- 3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit)

alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

- 4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:
- a. You must give any other recipients of the Work or Derivative Works a copy of this License; and
- b. You must cause any modified files to carry prominent notices stating that You changed the files; and
- c. You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

d.If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

- 5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.
- 6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
- 7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or

redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

- 8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.
- 9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

**END OF TERMS AND CONDITIONS** 

## 3.4 Artistic License 1.0

The Artistic License

#### Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

### Definitions:

"Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.

"Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder.

"Copyright Holder" is whoever is named in the copyright or copyrights for the package.

"You" is you, if you're thinking about copying or distributing this Package.

"Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)

- "Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.
- 1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.
- 2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.
- 3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:
- a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as ftp.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.
- b) use the modified Package only within your corporation or organization.
- c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.
- d) make other distribution arrangements with the Copyright Holder.
- 4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:
- a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.
- b) accompany the distribution with the machine-readable source of the Package with your modifications.
- c) accompany any non-standard executables with their corresponding Standard Version executables, giving the non-standard executables non-standard names, and clearly documenting the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.
- d) make other distribution arrangements with the Copyright Holder.
- 5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own.
- 6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whomever generated them, and may be sold commercially, and may be aggregated with this Package.

Artistic License 1.0 (Perl)

- 7. C or perl subroutines supplied by you and linked into this Package shall not be considered part of this Package.
- 8. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.
- 9. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTIBILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

## 3.5 Artistic License 1.0 (Perl)

The "Artistic License"

#### Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

#### Definitions:

"Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.

"Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder as specified below.

"Copyright Holder" is whoever is named in the copyright or copyrights for the package.

"You" is you, if you're thinking about copying or distributing this Package.

"Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)

"Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

- 1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.
- 2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

Artistic License 1.0 (Perl)

- 3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:
- a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as uunet.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.
- b) use the modified Package only within your corporation or organization.
- c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.
- d) make other distribution arrangements with the Copyright Holder.
- 4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:
- a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.
- b) accompany the distribution with the machine-readable source of the Package with your modifications.
- c) give non-standard executables non-standard names, and clearly document the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.
- d) make other distribution arrangements with the Copyright Holder.
- 5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own. You may embed this Package's interpreter within an executable of yours (by linking); this shall be construed as a mere form of aggregation, provided that the complete Standard Version of the interpreter is so embedded.
- 6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whoever generated them, and may be sold commercially, and may be aggregated with this Package. If such scripts or library files are aggregated with this Package via the so-called "undump" or "unexec" methods of producing a binary executable image, then distribution of such an image shall neither be construed as a distribution of this Package nor shall it fall under the restrictions of Paragraphs 3 and 4, provided that you do not represent such an executable image as a Standard Version of this Package.
- 7. C subroutines (or comparably compiled subroutines in other languages) supplied by you and linked into this Package in order to emulate subroutines and variables of the language defined by this Package shall not be considered part of this Package, but are

the equivalent of input as in Paragraph 6, provided these subroutines do not change the language in any way that would cause it to fail the regression tests for the language.

- 8. Aggregation of this Package with a commercial distribution is always permitted provided that the use of this Package is embedded; that is, when no overt attempt is made to make this Package's interfaces visible to the end user of the commercial distribution. Such use shall not be construed as a distribution of this Package.
- 9. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.
- 10. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTIBILITY AND FITNESS FOR A PARTICULAR PURPOSE.

## 3.6 Artistic License 2.0

The Artistic License 2.0

Copyright (c) 2000-2006, The Perl Foundation.

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

## Preamble

This license establishes the terms under which a given free software Package may be copied, modified, distributed, and/or redistributed. The intent is that the Copyright Holder maintains some artistic control over the development of that Package while still keeping the Package available as open source and free software. You are always permitted to make arrangements wholly outside of this license directly with the Copyright Holder of a given Package. If the terms of this license do not permit the full use that you propose to make of the Package, you should contact the Copyright Holder and seek a different licensing arrangement.

## **Definitions**

"Copyright Holder" means the individual(s) or organization(s) named in the copyright notice for the entire Package.

"Contributor" means any party that has contributed code or other material to the Package, in accordance with the Copyright Holder's procedures.

"You" and "your" means any person who would like to copy, distribute, or modify the Package.

"Package" means the collection of files distributed by the Copyright Holder, and derivatives of that collection and/or of those files. A given Package may consist of either the Standard Version, or a Modified Version.

"Distribute" means providing a copy of the Package or making it accessible to anyone else, or in the case of a company or organization, to others outside of your company or organization.

"Distributor Fee" means any fee that you charge for Distributing this Package or providing support for this Package to another party. It does not mean licensing fees.

"Standard Version" refers to the Package if it has not been modified, or has been modified only in ways explicitly requested by the Copyright Holder.

"Modified Version" means the Package, if it has been changed, and such changes were not explicitly requested by the Copyright Holder.

"Original License" means this Artistic License as Distributed with the Standard Version of the Package, in its current version or as it may be modified by The Perl Foundation in the future.

"Source" form means the source code, documentation source, and configuration files for the Package.

"Compiled" form means the compiled bytecode, object code, binary, or any other form resulting from mechanical transformation or translation of the Source form.

Permission for Use and Modification Without Distribution

(1) You are permitted to use the Standard Version and create and use Modified Versions for any purpose without restriction, provided that you do not Distribute the Modified Version.

Permissions for Redistribution of the Standard Version

- (2) You may Distribute verbatim copies of the Source form of the Standard Version of this Package in any medium without restriction, either gratis or for a Distributor Fee, provided that you duplicate all of the original copyright notices and associated disclaimers. At your discretion, such verbatim copies may or may not include a Compiled form of the Package.
- (3) You may apply any bug fixes, portability changes, and other modifications made available from the Copyright Holder. The resulting Package will still be considered the Standard Version, and as such will be subject to the Original License.

Distribution of Modified Versions of the Package as Source

- (4) You may Distribute your Modified Version as Source (either gratis or for a Distributor Fee, and with or without a Compiled form of the Modified Version) provided that you clearly document how it differs from the Standard Version, including, but not limited to, documenting any non-standard features, executables, or modules, and provided that you do at least ONE of the following:
- (a) make the Modified Version available to the Copyright Holder of the Standard Version, under the Original License, so that the Copyright Holder may include your modifications in the Standard Version.
- (b) ensure that installation of your Modified Version does not prevent the user installing or running the Standard Version. In addition, the Modified Version must bear a name that is different from the name of the Standard Version.
- (c) allow anyone who receives a copy of the Modified Version to make the Source form of the Modified Version available to others under
- (i) the Original License or

(ii) a license that permits the licensee to freely copy, modify and redistribute the Modified Version using the same licensing terms that apply to the copy that the licensee received, and requires that the Source form of the Modified Version, and of any works derived from it, be made freely available in that license fees are prohibited but Distributor Fees are allowed.

Distribution of Compiled Forms of the Standard Version or Modified Versions without the Source

- (5) You may Distribute Compiled forms of the Standard Version without the Source, provided that you include complete instructions on how to get the Source of the Standard Version. Such instructions must be valid at the time of your distribution. If these instructions, at any time while you are carrying out such distribution, become invalid, you must provide new instructions on demand or cease further distribution. If you provide valid instructions or cease distribution within thirty days after you become aware that the instructions are invalid, then you do not forfeit any of your rights under this license.
- (6) You may Distribute a Modified Version in Compiled form without the Source, provided that you comply with Section 4 with respect to the Source of the Modified Version.

#### Aggregating or Linking the Package

- (7) You may aggregate the Package (either the Standard Version or Modified Version) with other packages and Distribute the resulting aggregation provided that you do not charge a licensing fee for the Package. Distributor Fees are permitted, and licensing fees for other components in the aggregation are permitted. The terms of this license apply to the use and Distribution of the Standard or Modified Versions as included in the aggregation.
- (8) You are permitted to link Modified and Standard Versions with other works, to embed the Package in a larger work of your own, or to build stand-alone binary or bytecode versions of applications that include the Package, and Distribute the result without restriction, provided the result does not expose a direct interface to the Package.

Items That are Not Considered Part of a Modified Version

(9) Works (including, but not limited to, modules and scripts) that merely extend or make use of the Package, do not, by themselves, cause the Package to be a Modified Version. In addition, such works are not considered parts of the Package itself, and are not subject to the terms of this license.

#### **General Provisions**

- (10) Any use, modification, and distribution of the Standard or Modified Versions is governed by this Artistic License. By using, modifying or distributing the Package, you accept this license. Do not use, modify, or distribute the Package, if you do not accept this license.
- (11) If your Modified Version has been derived from a Modified Version made by someone other than you, you are nevertheless required to ensure that your Modified Version complies with the requirements of this license.
- (12) This license does not grant you the right to use any trademark, service mark, tradename, or logo of the Copyright Holder.

Autoconf macro exception

(13) This license includes the non-exclusive, worldwide, free-of-charge patent license to make, have made, use, offer to sell, sell, import and otherwise transfer the Package with respect to any patent claims licensable by the Copyright Holder that are necessarily infringed by the Package. If you institute patent litigation (including a cross-claim or counterclaim) against any party alleging that the Package constitutes direct or contributory patent infringement, then this Artistic License to you shall terminate on the date that such litigation is filed.

### (14) Disclaimer of Warranty:

THE PACKAGE IS PROVIDED BY THE COPYRIGHT HOLDER AND CONTRIBUTORS "AS IS' AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES. THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT ARE DISCLAIMED TO THE EXTENT PERMITTED BY YOUR LOCAL LAW. UNLESS REQUIRED BY LAW, NO COPYRIGHT HOLDER OR CONTRIBUTOR WILL BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING IN ANY WAY OUT OF THE USE OF THE PACKAGE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

## 3.7 Autoconf exception 2.0

As a special exception, the Free Software Foundation gives unlimited permission to copy, distribute and modify the configure scripts that are the output of Autoconf. You need not follow the terms of the GNU General Public License when using or distributing such scripts, even though portions of the text of Autoconf appear in them. The GNU General Public License (GPL) does govern all other use of the material that constitutes the Autoconf program. Certain portions of the Autoconf source text are designed to be copied (in certain cases, depending on the input) into the output of Autoconf. We call these the "data" portions. The rest of the Autoconf source text consists of comments plus executable code that decides which of the data portions to output in any given case. We call these comments and executable code the "non-data" portions. Autoconf never copies any of the non-data portions into its output. This special exception to the GPL applies to versions of Autoconf released by the Free Software Foundation. When you make and distribute a modified version of Autoconf, you may extend this special exception to the GPL to apply to your modified version as well, \*unless\* your modified version has the potential to copy into its output some of the text that was the non-data portion of the version that you started with. (In other words, unless your change moves or copies text from the non-data portions to the data portions.) If your modification has such potential, you must delete any notice of this special exception to the GPL from your modified version.

# 3.8 Autoconf macro exception

As a special exception, the respective Autoconf Macro's copyright owner gives unlimited permission to copy, distribute and modify the

BSD 2-Clause FreeBSD License

configure scripts that are the output of Autoconf when processing the Macro. You need not follow the terms of the GNU General Public License when using or distributing such scripts, even though portions of the text of the Macro appear in them. The GNU General Public License (GPL) does govern all other use of the material that constitutes the Autoconf Macro.

This special exception to the GPL applies to versions of the Autoconf Macro released by the Autoconf Macro Archive. When you make and distribute a modified version of the Autoconf Macro, you may extend this special exception to the GPL to apply to your modified version as well.

## 3.9 BSD 2-clause "Simplified" License

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

### 3.10 BSD 2-Clause FreeBSD License

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

BSD 3-clause "New" or "Revised" License

- 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE FREEBSD PROJECT ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The views and conclusions contained in the software and documentation are those of the authors and should not be interpreted as representing official policies, either expressed or implied, of the FreeBSD Project.

## 3.11 BSD 3-clause "New" or "Revised" License

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- 3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHER

BSD 4-clause "Original" or "Old" License

WISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

## 3.12 BSD-3-Clause Variant 2 License

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions

are met:

- 1. Redistributions of source code must retain the above copyright notice, and the entire permission notice in its entirety, including the disclaimer of warranties.
- 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- 3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL OF WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF NOT ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

# 3.13 BSD 4-clause "Original" or "Old" License

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- 3. All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by the the organization .

**BSD Ancestral License** 

4. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY COPYRIGHT HOLDER "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL COPYRIGHT HOLDER BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

## 3.14 BSD AES Variant License

#### LICENSE TERMS

The redistribution and use of this software (with or without changes) is allowed without the payment of fees or royalties provided that:

- 1. source code distributions include the above copyright notice, this list of conditions and the following disclaimer;
- 2. binary distributions include the above copyright notice, this list of conditions and the following disclaimer in their documentation;
- 3. the name of the copyright holder is not used to endorse products built using this software without specific written permission.

#### **DISCLAIMER**

This software is provided "as is" with no explicit or implied warranties in respect of its properties, including, but not limited to, correctness and/or fitness for purpose.

## 3.15 BSD Ancestral License

All rights reserved.

Redistribution and use in source and binary forms are permitted provided that the above copyright notice and this paragraph are duplicated in all such forms and that any documentation, advertising materials, and other materials related to such distribution and use acknowledge that the software was developed by the "organization".

The name of the "organization" may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

## 3.16 Bison exception 2.2

#### **Bison Exception**

As a special exception, you may create a larger work that contains part or all of the Bison parser skeleton and distribute that work under terms of your choice, so long as that work isn't itself a parser generator using the skeleton or a modified version thereof as a parser skeleton. Alternatively, if you modify or redistribute the parser skeleton itself, you may (at your option) remove this special exception, which will cause the skeleton and the resulting Bison output files to be licensed under the GNU General Public License without this special exception. This special exception was added by the Free Software Foundation in version 2.2 of Bison.

## 3.17 Creative Commons Attribution Share Alike 3.0

Creative Commons Attribution-ShareAlike 3.0 Unported

CREATIVE COMMONS CORPORATION IS NOT A LAW FIRM AND DOES NOT PROVIDE LEGAL SERVICES. DISTRIBUTION OF THIS LICENSE DOES NOT CREATE AN ATTORNEY-CLIENT RELATIONSHIP. CREATIVE COMMONS PROVIDES THIS INFORMATION ON AN "AS-IS" BASIS. CREATIVE COMMONS MAKES NO WARRANTIES REGARDING THE INFORMATION PROVIDED, AND DISCLAIMS LIABILITY FOR DAMAGES RESULTING FROM ITS USE.

#### License

THE WORK (AS DEFINED BELOW) IS PROVIDED UNDER THE TERMS OF THIS CREATIVE COMMONS PUBLIC LICENSE ("CCPL" OR "LICENSE"). THE WORK IS PROTECTED BY COPYRIGHT AND/OR OTHER APPLICABLE LAW. ANY USE OF THE WORK OTHER THAN AS AUTHORIZED UNDER THIS LICENSE OR COPYRIGHT LAW IS PROHIBITED.

BY EXERCISING ANY RIGHTS TO THE WORK PROVIDED HERE, YOU ACCEPT AND AGREE TO BE BOUND BY THE TERMS OF THIS LICENSE. TO THE EXTENT THIS LICENSE MAY BE CONSIDERED TO BE A CONTRACT, THE LICENSOR GRANTS YOU THE RIGHTS CONTAINED HERE IN CONSIDERATION OF YOUR ACCEPTANCE OF SUCH TERMS AND CONDITIONS.

#### 1. Definitions

a. "Adaptation" means a work based upon the Work, or upon the Work and other preexisting works, such as a translation, adaptation, derivative work, arrangement of music or other alterations of a literary or artistic work, or phonogram or performance and includes cinematographic adaptations or any other form in which the Work may be recast, transformed, or adapted including in any form recognizably derived from the

original, except that a work that constitutes a Collection will not be considered an Adaptation for the purpose of this License. For the avoidance of doubt, where the Work is a musical work, performance or phonogram, the synchronization of the Work in timed-relation with a moving image ("synching") will be considered an Adaptation for the purpose of this License.

- b. "Collection" means a collection of literary or artistic works, such as encyclopedias and anthologies, or performances, phonograms or broadcasts, or other works or subject matter other than works listed in Section 1(f) below, which, by reason of the selection and arrangement of their contents, constitute intellectual creations, in which the Work is included in its entirety in unmodified form along with one or more other contributions, each constituting separate and independent works in themselves, which together are assembled into a collective whole. A work that constitutes a Collection will not be considered an Adaptation (as defined below) for the purposes of this License.
- c. "Creative Commons Compatible License" means a license that is listed at http://creativecommons.org/compatiblelicenses that has been approved by Creative Commons as being essentially equivalent to this License, including, at a minimum, because that license: (i) contains terms that have the same purpose, meaning and effect as the License Elements of this License; and, (ii) explicitly permits the relicensing of adaptations of works made available under that license under this License or a Creative Commons jurisdiction license with the same License Elements as this License.
- d. "Distribute" means to make available to the public the original and copies of the Work or Adaptation, as appropriate, through sale or other transfer of ownership.
- e. "License Elements" means the following high-level license attributes as selected by Licensor and indicated in the title of this License: Attribution, ShareAlike.
- f. "Licensor" means the individual, individuals, entity or entities that offer(s) the Work under the terms of this License.
- g. "Original Author" means, in the case of a literary or artistic work, the individual, individuals, entity or entities who created the Work or if no individual or entity can be identified, the publisher; and in addition (i) in the case of a performance the actors, singers, musicians, dancers, and other persons who act, sing, deliver, declaim, play in, interpret or otherwise perform literary or artistic works or expressions of folklore; (ii) in the case of a phonogram the producer being the person or legal entity who first fixes the sounds of a performance or other sounds; and, (iii) in the case of broadcasts, the organization that transmits the broadcast.
- h. "Work" means the literary and/or artistic work offered under the terms of this License including without limitation any production in the literary, scientific and artistic domain, whatever may be the mode or form of its expression including digital form, such as a book, pamphlet and other writing; a lecture, address, sermon or other work of the same nature; a dramatic or dramatico-musical work; a choreographic work or entertainment in dumb show; a musical composition with or without words; a cinematographic work to which are assimilated works expressed by a process analogous to cinematography; a work of drawing, painting, architecture, sculpture, engraving or lithography; a photographic work to which are assimilated works expressed by a process analogous to photography; a work of applied art; an illustration, map, plan, sketch or three-dimensional work relative to geography, topography, architecture or science; a performance; a broadcast; a phonogram; a compilation of data to the extent it is protected as a copy-

rightable work; or a work performed by a variety or circus performer to the extent it is not otherwise considered a literary or artistic work.

- i. "You" means an individual or entity exercising rights under this License who has not previously violated the terms of this License with respect to the Work, or who has received express permission from the Licensor to exercise rights under this License despite a previous violation.
- j. "Publicly Perform" means to perform public recitations of the Work and to communicate to the public those public recitations, by any means or process, including by wire or wireless means or public digital performances; to make available to the public Works in such a way that members of the public may access these Works from a place and at a place individually chosen by them; to perform the Work to the public by any means or process and the communication to the public of the performances of the Work, including by public digital performance; to broadcast and rebroadcast the Work by any means including signs, sounds or images.
- k. "Reproduce" means to make copies of the Work by any means including without limitation by sound or visual recordings and the right of fixation and reproducing fixations of the Work, including storage of a protected performance or phonogram in digital form or other electronic medium.
- 2. Fair Dealing Rights. Nothing in this License is intended to reduce, limit, or restrict any uses free from copyright or rights arising from limitations or exceptions that are provided for in connection with the copyright protection under copyright law or other applicable laws.
- 3. License Grant. Subject to the terms and conditions of this License, Licensor hereby grants You a worldwide, royalty-free, non-exclusive, perpetual (for the duration of the applicable copyright) license to exercise the rights in the Work as stated below:
- a. to Reproduce the Work, to incorporate the Work into one or more Collections, and to Reproduce the Work as incorporated in the Collections;
- b. to create and Reproduce Adaptations provided that any such Adaptation, including any translation in any medium, takes reasonable steps to clearly label, demarcate or otherwise identify that changes were made to the original Work. For example, a translation could be marked "The original work was translated from English to Spanish," or a modification could indicate "The original work has been modified.";
- c. to Distribute and Publicly Perform the Work including as incorporated in Collections; and
- d. to Distribute and Publicly Perform Adaptations.
- e. For the avoidance of doubt:
- i. Non-waivable Compulsory License Schemes. In those jurisdictions in which the right to collect royalties through any statutory or compulsory licensing scheme cannot be waived, the Licensor reserves the exclusive right to collect such royalties for any exercise by You of the rights granted under this License;
- ii. Waivable Compulsory License Schemes. In those jurisdictions in which the right to collect royalties through any statutory or compulsory licensing scheme can be waived, the Licensor waives the exclusive right to collect such royalties for any exercise by You of the rights granted under this License; and,

iii. Voluntary License Schemes. The Licensor waives the right to collect royalties, whether individually or, in the event that the Licensor is a member of a collecting society that administers voluntary licensing schemes, via that society, from any exercise by You of the rights granted under this License.

The above rights may be exercised in all media and formats whether now known or hereafter devised. The above rights include the right to make such modifications as are technically necessary to exercise the rights in other media and formats. Subject to Section 8(f), all rights not expressly granted by Licensor are hereby reserved.

- 4. Restrictions. The license granted in Section 3 above is expressly made subject to and limited by the following restrictions:
- a. You may Distribute or Publicly Perform the Work only under the terms of this License. You must include a copy of, or the Uniform Resource Identifier (URI) for, this License with every copy of the Work You Distribute or Publicly Perform. You may not offer or impose any terms on the Work that restrict the terms of this License or the ability of the recipient of the Work to exercise the rights granted to that recipient under the terms of the License. You may not sublicense the Work. You must keep intact all notices that refer to this License and to the disclaimer of warranties with every copy of the Work You Distribute or Publicly Perform. When You Distribute or Publicly Perform the Work, You may not impose any effective technological measures on the Work that restrict the ability of a recipient of the Work from You to exercise the rights granted to that recipient under the terms of the License. This Section 4(a) applies to the Work as incorporated in a Collection, but this does not require the Collection apart from the Work itself to be made subject to the terms of this License. If You create a Collection, upon notice from any Licensor You must, to the extent practicable, remove from the Collection any credit as required by Section 4(c), as requested. If You create an Adaptation, upon notice from any Licensor You must, to the extent practicable, remove from the Adaptation any credit as required by Section 4(c), as requested.
- b. You may Distribute or Publicly Perform an Adaptation only under the terms of: (i) this License: (ii) a later version of this License with the same License Elements as this License; (iii) a Creative Commons jurisdiction license (either this or a later license version) that contains the same License Elements as this License (e.g., Attribution-ShareAlike 3.0 US)); (iv) a Creative Commons Compatible License. If you license the Adaptation under one of the licenses mentioned in (iv), you must comply with the terms of that license. If you license the Adaptation under the terms of any of the licenses mentioned in (i), (ii) or (iii) (the "Applicable License"), you must comply with the terms of the Applicable License generally and the following provisions: (I) You must include a copy of, or the URI for, the Applicable License with every copy of each Adaptation You Distribute or Publicly Perform; (II) You may not offer or impose any terms on the Adaptation that restrict the terms of the Applicable License or the ability of the recipient of the Adaptation to exercise the rights granted to that recipient under the terms of the Applicable License; (III) You must keep intact all notices that refer to the Applicable License and to the disclaimer of warranties with every copy of the Work as included in the Adaptation You Distribute or Publicly Perform; (IV) when You Distribute or Publicly Perform the Adaptation, You may not impose any effective technological measures on the Adaptation that restrict the ability of a recipient of the Adaptation from You to exercise the rights granted to that recipient under the terms of the Applicable License. This Section 4(b) applies to the Adaptation as incorporated in a Collection, but this does not

require the Collection apart from the Adaptation itself to be made subject to the terms of the Applicable License.

c. If You Distribute, or Publicly Perform the Work or any Adaptations or Collections, You must, unless a request has been made pursuant to Section 4(a), keep intact all copyright notices for the Work and provide, reasonable to the medium or means You are utilizing: (i) the name of the Original Author (or pseudonym, if applicable) if supplied, and/or if the Original Author and/or Licensor designate another party or parties (e.g., a sponsor institute, publishing entity, journal) for attribution ("Attribution Parties") in Licensor's copyright notice, terms of service or by other reasonable means, the name of such party or parties; (ii) the title of the Work if supplied; (iii) to the extent reasonably practicable, the URI, if any, that Licensor specifies to be associated with the Work, unless such URI does not refer to the copyright notice or licensing information for the Work; and (iv), consistent with Section 3(b), in the case of an Adaptation, a credit identifying the use of the Work in the Adaptation (e.g., "French translation of the Work by Original Author," or "Screenplay based on original Work by Original Author"). The credit required by this Section 4(c) may be implemented in any reasonable manner; provided, however, that in the case of a Adaptation or Collection, at a minimum such credit will appear, if a credit for all contributing authors of the Adaptation or Collection appears, then as part of these credits and in a manner at least as prominent as the credits for the other contributing authors. For the avoidance of doubt, You may only use the credit required by this Section for the purpose of attribution in the manner set out above and, by exercising Your rights under this License, You may not implicitly or explicitly assert or imply any connection with, sponsorship or endorsement by the Original Author, Licensor and/or Attribution Parties, as appropriate, of You or Your use of the Work, without the separate, express prior written permission of the Original Author, Licensor and/or Attribution Parties.

d. Except as otherwise agreed in writing by the Licensor or as may be otherwise permitted by applicable law, if You Reproduce, Distribute or Publicly Perform the Work either by itself or as part of any Adaptations or Collections, You must not distort, mutilate, modify or take other derogatory action in relation to the Work which would be prejudicial to the Original Author's honor or reputation. Licensor agrees that in those jurisdictions (e.g. Japan), in which any exercise of the right granted in Section 3(b) of this License (the right to make Adaptations) would be deemed to be a distortion, mutilation, modification or other derogatory action prejudicial to the Original Author's honor and reputation, the Licensor will waive or not assert, as appropriate, this Section, to the fullest extent permitted by the applicable national law, to enable You to reasonably exercise Your right under Section 3(b) of this License (right to make Adaptations) but not otherwise.

#### 5. Representations, Warranties and Disclaimer

UNLESS OTHERWISE MUTUALLY AGREED TO BY THE PARTIES IN WRITING, LICENSOR OFFERS THE WORK AS-IS AND MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND CONCERNING THE WORK, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF TITLE, MERCHANTIBILITY, FITNESS FOR A PARTICULAR PURPOSE, NONINFRINGEMENT, OR THE ABSENCE OF LATENT OR OTHER DEFECTS, ACCURACY, OR THE PRESENCE OF ABSENCE OF ERRORS, WHETHER OR NOT DISCOVERABLE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, SO SUCH EXCLUSION MAY NOT APPLY TO YOU.

6. Limitation on Liability. EXCEPT TO THE EXTENT REQUIRED BY APPLICABLE LAW, IN NO EVENT WILL LICENSOR BE LIABLE TO YOU ON ANY LEGAL THEORY FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES ARISING OUT OF THIS LICENSE OR THE USE OF THE WORK, EVEN IF LICENSOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

#### 7. Termination

- a. This License and the rights granted hereunder will terminate automatically upon any breach by You of the terms of this License. Individuals or entities who have received Adaptations or Collections from You under this License, however, will not have their licenses terminated provided such individuals or entities remain in full compliance with those licenses. Sections 1, 2, 5, 6, 7, and 8 will survive any termination of this License.
- b. Subject to the above terms and conditions, the license granted here is perpetual (for the duration of the applicable copyright in the Work). Notwithstanding the above, Licensor reserves the right to release the Work under different license terms or to stop distributing the Work at any time; provided, however that any such election will not serve to withdraw this License (or any other license that has been, or is required to be, granted under the terms of this License), and this License will continue in full force and effect unless terminated as stated above.

#### 8. Miscellaneous

- a. Each time You Distribute or Publicly Perform the Work or a Collection, the Licensor offers to the recipient a license to the Work on the same terms and conditions as the license granted to You under this License.
- b. Each time You Distribute or Publicly Perform an Adaptation, Licensor offers to the recipient a license to the original Work on the same terms and conditions as the license granted to You under this License.
- c. If any provision of this License is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this License, and without further action by the parties to this agreement, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.
- d. No term or provision of this License shall be deemed waived and no breach consented to unless such waiver or consent shall be in writing and signed by the party to be charged with such waiver or consent.
- e. This License constitutes the entire agreement between the parties with respect to the Work licensed here. There are no understandings, agreements or representations with respect to the Work not specified here. Licensor shall not be bound by any additional provisions that may appear in any communication from You. This License may not be modified without the mutual written agreement of the Licensor and You.
- f. The rights granted under, and the subject matter referenced, in this License were drafted utilizing the terminology of the Berne Convention for the Protection of Literary and Artistic Works (as amended on September 28, 1979), the Rome Convention of 1961, the WIPO Copyright Treaty of 1996, the WIPO Performances and Phonograms Treaty of 1996 and the Universal Copyright Convention (as revised on July 24, 1971). These rights and subject matter take effect in the relevant jurisdiction in which the License terms are sought to be enforced according to the corresponding provisions of

Creative Commons Zero v1.0 Universal

the implementation of those treaty provisions in the applicable national law. If the standard suite of rights granted under applicable copyright law includes additional rights not granted under this License, such additional rights are deemed to be included in the License; this License is not intended to restrict the license of any rights under applicable law.

#### Creative Commons Notice

Creative Commons is not a party to this License, and makes no warranty whatsoever in connection with the Work. Creative Commons will not be liable to You or any party on any legal theory for any damages whatsoever, including without limitation any general, special, incidental or consequential damages arising in connection to this license. Notwithstanding the foregoing two (2) sentences, if Creative Commons has expressly identified itself as the Licensor hereunder, it shall have all rights and obligations of Licensor.

Except for the limited purpose of indicating to the public that the Work is licensed under the CCPL, Creative Commons does not authorize the use by either party of the trademark "Creative Commons" or any related trademark or logo of Creative Commons without the prior written consent of Creative Commons. Any permitted use will be in compliance with Creative Commons' then-current trademark usage guidelines, as may be published on its website or otherwise made available upon request from time to time. For the avoidance of doubt, this trademark restriction does not form part of the License.

Creative Commons may be contacted at http://creativecommons.org/.

## 3.18 Creative Commons Zero v1.0 Universal

Creative Commons Legal Code

CC0 1.0 Universal

CREATIVE COMMONS CORPORATION IS NOT A LAW FIRM AND DOES NOT PROVIDE LEGAL SERVICES. DISTRIBUTION OF THIS DOCUMENT DOES NOT CREATE AN ATTORNEY-CLIENT RELATIONSHIP. CREATIVE COMMONS PROVIDES THIS INFORMATION ON AN "AS-IS" BASIS. CREATIVE COMMONS MAKES NO WARRANTIES REGARDING THE USE OF THIS DOCUMENT OR THE INFORMATION OR WORKS PROVIDED HEREUNDER, AND DISCLAIMS LIABILITY FOR DAMAGES RESULTING FROM THE USE OF THIS DOCUMENT OR THE INFORMATION OR WORKS PROVIDED HEREUNDER.

#### Statement of Purpose

The laws of most jurisdictions throughout the world automatically confer exclusive Copyright and Related Rights (defined below) upon the creator and subsequent owner(s) (each and all, an "owner") of an original work of authorship and/or a database (each, a "Work").

Certain owners wish to permanently relinquish those rights to a Work for the purpose of contributing to a commons of creative, cultural and scientific works ("Commons") that the public can reliably and without fear of later claims of infringement build upon,

#### Creative Commons Zero v1.0 Universal

modify, incorporate in other works, reuse and redistribute as freely as possible in any form whatsoever and for any purposes, including without limitation commercial purposes. These owners may contribute to the Commons to promote the ideal of a free culture and the further production of creative, cultural and scientific works, or to gain reputation or greater distribution for their Work in part through the use and efforts of others. For these and/or other purposes and motivations, and without any expectation of additional consideration or compensation, the person associating CC0 with a Work (the "Affirmer"), to the extent that he or she is an owner of Copyright and Related Rights in the Work, voluntarily elects to apply CC0 to the Work and publicly distribute the Work under its terms, with knowledge of his or her Copyright and Related Rights in the Work and the meaning and intended legal effect of CC0 on those rights.

- 1. Copyright and Related Rights. A Work made available under CC0 may be protected by copyright and related or neighboring rights ("Copyright and Related Rights"). Copyright and Related Rights include, but are not limited to, the following:
- i. the right to reproduce, adapt, distribute, perform, display, communicate, and translate a Work;
- ii. moral rights retained by the original author(s) and/or performer(s);
- iii. publicity and privacy rights pertaining to a person's image or likeness depicted in a Work;
- iv. rights protecting against unfair competition in regards to a Work, subject to the limitations in paragraph 4(a), below;
- v. rights protecting the extraction, dissemination, use and reuse of data in a Work;
- vi. database rights (such as those arising under Directive 96/9/EC of the European Parliament and of the Council of 11 March 1996 on the legal protection of databases, and under any national implementation thereof, including any amended or successor version of such directive); and
- vii. other similar, equivalent or corresponding rights throughout the world based on applicable law or treaty, and any national implementations thereof.
- 2. Waiver. To the greatest extent permitted by, but not in contravention of, applicable law, Affirmer hereby overtly, fully, permanently, irrevocably and unconditionally waives, abandons, and surrenders all of Affirmer's Copyright and Related Rights and associated claims and causes of action, whether now known or unknown (including existing as well as future claims and causes of action), in the Work (i) in all territories worldwide, (ii) for the maximum duration provided by applicable law or treaty (including future time extensions), (iii) in any current or future medium and for any number of copies, and (iv) for any purpose whatsoever, including without limitation commercial, advertising or promotional purposes (the "Waiver"). Affirmer makes the Waiver for the benefit of each member of the public at large and to the detriment of Affirmer's heirs and successors, fully intending that such Waiver shall not be subject to revocation, rescission, cancellation, termination, or any other legal or equitable action to disrupt the quiet enjoyment of the Work by the public as contemplated by Affirmer's express Statement of Purpose.
- 3. Public License Fallback. Should any part of the Waiver for any reason be judged legally invalid or ineffective under applicable law, then the Waiver shall be preserved to the maximum extent permitted taking into account Affirmer's express Statement of Pur-

Digia QT Exception-1.1-LGPL-2.1

pose. In addition, to the extent the Waiver is so judged Affirmer hereby grants to each affected person a royalty-free, non transferable, non sublicensable, non exclusive, irrevocable and unconditional license to exercise Affirmer's Copyright and Related Rights in the Work (i) in all territories worldwide, (ii) for the maximum duration provided by applicable law or treaty (including future time extensions), (iii) in any current or future medium and for any number of copies, and (iv) for any purpose whatsoever, including without limitation commercial, advertising or promotional purposes (the "License"). The License shall be deemed effective as of the date CC0 was applied by Affirmer to the Work. Should any part of the License for any reason be judged legally invalid or ineffective under applicable law, such partial invalidity or ineffectiveness shall not invalidate the remainder of the License, and in such case Affirmer hereby affirms that he or she will not (i) exercise any of his or her remaining Copyright and Related Rights in the Work or (ii) assert any associated claims and causes of action with respect to the Work, in either case contrary to Affirmer's express Statement of Purpose.

- 4. Limitations and Disclaimers.
- a. No trademark or patent rights held by Affirmer are waived, abandoned, surrendered, licensed or otherwise affected by this document.
- b. Affirmer offers the Work as-is and makes no representations or warranties of any kind concerning the Work, express, implied, statutory or otherwise, including without limitation warranties of title, merchantability, fitness for a particular purpose, non infringement, or the absence of latent or other defects, accuracy, or the present or absence of errors, whether or not discoverable, all to the greatest extent permissible under applicable law.
- c. Affirmer disclaims responsibility for clearing rights of other persons that may apply to the Work or any use thereof, including without limitation any person's Copyright and Related Rights in the Work. Further, Affirmer disclaims responsibility for obtaining any necessary consents, permissions or other rights required for any use of the Work.
- d. Affirmer understands and acknowledges that Creative Commons is not a party to this document and has no duty or obligation with respect to this CC0 or use of the Work.

# 3.19 Digia QT Exception-1.1-LGPL-2.1

Digia Qt LGPL Exception version 1.1

As an additional permission to the GNU Lesser General Public License version 2.1, the object code form of a "work that uses the Library" may incorporate material from a header file that is part of the Library. You may distribute such object code under terms of your choice, provided that:

- (i) the header files of the Library have not been modified; and
- (ii) the incorporated material is limited to numerical parameters, data structure layouts, accessors, macros, inline functions and templates; and

Dual License BSD and GPL

(iii) you comply with the terms of Section 6 of the GNU Lesser General Public License version 2.1.

Moreover, you may apply this exception to a modified version of the Library, provided that such modification does not involve copying material from the Library into the modified Library's header files unless such material is limited to (i) numerical parameters; (ii) data structure layouts; (iii) accessors; and

(iv) small macros, templates and inline functions of five lines or less in length. Furthermore, you are not required to apply this additional permission to a modified version of the Library.

## 3.20 Dual License BSD and GPL

Redistribution and use in source and binary forms of this software, with or without modification, are permitted provided that the following

conditions are met:

- 1. Redistributions of source code must retain any existing copyright notice, and this entire permission notice in its entirety, including the disclaimer of warranties.
- 2. Redistributions in binary form must reproduce all prior and current copyright notices, this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution.
- 3. The name of any author may not be used to endorse or promote products derived from this software without their specific prior written permission.

ALTERNATIVELY, this product may be distributed under the terms of the GNU General Public License  $\nu 2.0$ , in which case the

provisions of the GNU GPL are required INSTEAD OF the above restrictions. (This clause is necessary due to a potential conflict

between the GNU GPL and the restrictions contained in a BSD-style copyright.)

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE FOR ANY DIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

GCC Runtime Library exception 3.1

## 3.21 FSF All Permissive License

Copying and distribution of this file, with or without modification, are permitted in any medium without royalty provided the copyright notice and this notice are preserved. This file is offered as-is, without any warranty.

## 3.22 FSF Unlimited License - Retention Variant

This file is free software; the copyright holder gives unlimited permission to copy and/or distribute it, with or without modifications, as long as this notice is preserved.

## 3.23 GCC Runtime Library exception 3.1

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

General information: http://www.gnu.org/licenses/gcc-exception.html

Copyright (C) 2009 Free Software Foundation, Inc. "http://fsf.org/"

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This GCC Runtime Library Exception ("Exception") is an additional permission under section 7 of the GNU General Public License, version 3 ("GPLv3"). It applies to a given file (the "Runtime Library") that bears a notice placed by the copyright holder of the file stating that the file is governed by GPLv3 along with this Exception.

When you use GCC to compile a program, GCC may combine portions of certain GCC header files and runtime libraries with the compiled program. The purpose of this Exception is to allow compilation of non-GPL (including proprietary) programs to use, in this way, the header files and runtime libraries covered by this Exception.

## 0. Definitions.

A file is an "Independent Module" if it either requires the Runtime Library for execution after a Compilation Process, or makes use of an interface provided by the Runtime Library, but is not otherwise based on the Runtime Library.

"GCC" means a version of the GNU Compiler Collection, with or without modifications, governed by version 3 (or a specified later version) of the GNU General Public License (GPL) with the option of using any subsequent versions published by the FSF.

"GPL-compatible Software" is software whose conditions of propagation, modification and use would permit combination with GCC in accord with the license of GCC.

"Target Code" refers to output from any compiler for a real or virtual target processor architecture, in executable form or suitable for input to an assembler, loader, linker and/or execution phase. Notwithstanding that, Target Code does not include data in

any format that is used as a compiler intermediate representation, or used for producing a compiler intermediate representation.

The "Compilation Process" transforms code entirely represented in non-intermediate languages designed for human-written code, and/or in Java Virtual Machine byte code, into Target Code. Thus, for example, use of source code generators and preprocessors need not be considered part of the Compilation Process, since the Compilation Process can be understood as starting with the output of the generators or preprocessors.

A Compilation Process is "Eligible" if it is done using GCC, alone or with other GPL-compatible software, or if it is done without using any work based on GCC. For example, using non-GPL-compatible Software to optimize any GCC intermediate representations would not qualify as an Eligible Compilation Process.

#### 1. Grant of Additional Permission.

You have permission to propagate a work of Target Code formed by combining the Runtime Library with Independent Modules, even if such propagation would otherwise violate the terms of GPLv3, provided that all Target Code was generated by Eligible Compilation Processes. You may then convey such a combination under terms of your choice, consistent with the licensing of the Independent Modules.

#### 2. No Weakening of GCC Copyleft.

The availability of this Exception does not imply any general presumption that thirdparty software is unaffected by the copyleft requirements of the license of GCC.

## 3.24 GNU Free Documentation License v1.2

**GNU Free Documentation License** 

Version 1.2, November 2002

Copyright (C) 2000,2001,2002 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.

## 0. PREAMBLE

The purpose of this License is to make a manual, textbook, or other functional and useful document "free" in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or non-commercially. Secondarily, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others. This License is a kind of "copyleft", which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject

matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

#### 1. APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The "Document", below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as "you". You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A "Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, LaTeX input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML, PostScript or PDF designed for human modification. Examples of transparent image formats include PNG, XCF and JPG. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools

are not generally available, and the machine-generated HTML, PostScript or PDF produced by some word processors for output purposes only.

The "Title Page" means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, "Title Page" means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

A section "Entitled XYZ" means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as "Acknowledgements", "Dedications", "Endorsements", or "History".) To "Preserve the Title" of such a section when you modify the Document means that it remains a section "Entitled XYZ" according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties: any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

#### 2. VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or non-commercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

### 3. COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects. If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the

general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public. It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

#### 4. MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

A. Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.

- B. List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.
- C. State on the Title page the name of the publisher of the Modified Version, as the publisher.
- D. Preserve all the copyright notices of the Document.
- E. Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.
- F. Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.
- G. Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.
- H. Include an unaltered copy of this License.
- I. Preserve the section Entitled "History", Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled "History" in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.
- J. Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the "History" section. You may omit a network location for a work that was published at least four

years before the Document itself, or if the original publisher of the version it refers to gives permission.

- K. For any section Entitled "Acknowledgements" or "Dedications", Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.
- L. Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.
- M. Delete any section Entitled "Endorsements". Such a section may not be included in the Modified Version.
- N. Do not retitle any existing section to be Entitled "Endorsements" or to conflict in title with any Invariant Section.
- O. Preserve any Warranty Disclaimers.

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties

for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

### 5. COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or

publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled "History" in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements".

#### 6. COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

#### 7. AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

#### 8. TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements", "Dedications", or "History", the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

#### 9. TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided for under this License. Any other attempt to copy, modify, sublicense or distribute the Document 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.

#### 10. FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation 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. See http://www.gnu.org/copyleft/.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License "or any later version" applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation.

ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

Copyright (c) YEAR YOUR NAME. Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.2 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled "GNU Free Documentation License".

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the "with...Texts." line with this:

with the Invariant Sections being LIST THEIR TITLES, with the Front-Cover Texts being LIST, and with the Back-Cover Texts being LIST.

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

## 3.25 GNU Free Documentation License v1.3

**GNU Free Documentation License** 

Version 1.3, 3 November 2008

Copyright (C) 2000, 2001, 2002, 2007, 2008 Free Software Foundation, Inc. http://fsf.org/

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

### 0. PREAMBLE

The purpose of this License is to make a manual, textbook, or other functional and useful document "free" in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or non-commercially. Secondarily, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of "copyleft", which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

#### 1. APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The "Document", below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as "you". You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A "Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, LaTeX input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML, PostScript or PDF designed for human modification. Examples of transparent image formats include PNG, XCF and JPG. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are not generally available, and the machine-generated HTML, PostScript or PDF produced by some word processors for output purposes only.

The "Title Page" means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, "Title Page" means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

The "publisher" means any person or entity that distributes copies of the Document to the public.

A section "Entitled XYZ" means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as "Acknowledgements", "Dedications", "Endorsements", or "History".) To "Preserve the Title" of such a section when you modify the Document means that it remains a section "Entitled XYZ" according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties: any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

## 2. VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or non-commercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make

or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

#### 3. COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

#### 4. MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

A. Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.

B. List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.

- C. State on the Title page the name of the publisher of the Modified Version, as the publisher.
- D. Preserve all the copyright notices of the Document.
- E. Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.
- F. Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.
- G. Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice. H. Include an unaltered copy of this License.
- I. Preserve the section Entitled "History", Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled "History" in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.
- J. Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the "History" section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.
- K. For any section Entitled "Acknowledgements" or "Dedications", Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.
- L. Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.
- M. Delete any section Entitled "Endorsements". Such a section may not be included in the Modified Version.
- N. Do not retitle any existing section to be Entitled "Endorsements" or to conflict in title with any Invariant Section.
- O. Preserve any Warranty Disclaimers.

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties

for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

#### 5. COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled "History" in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements".

#### 6. COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

## 7. AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

#### 8. TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements", "Dedications", or "History", the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

#### 9. TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and will automatically terminate your rights under this License.

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, receipt of a copy of some or all of the same material does not give you any rights to use it.

### 10. FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation 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. See http://www.gnu.org/copyleft/.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License "or any later version" applies to it, you have the option of following the terms and conditions either of that

#### GNU Free Documentation License v1.3

specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

#### 11. RELICENSING

"Massive Multiauthor Collaboration Site" (or "MMC Site") means any World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A "Massive Multiauthor Collaboration" (or "MMC") contained in the site means any set of copyrightable works thus published on the MMC site.

"CC-BY-SA" means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

"Incorporate" means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is "eligible for relicensing" if it is licensed under this License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.

ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

Copyright (c) YEAR YOUR NAME. Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled "GNU Free Documentation License".

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the "with...Texts." line with this:

with the Invariant Sections being LIST THEIR TITLES, with the Front-Cover Texts being LIST, and with the Back-Cover Texts being LIST.

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

# 3.26 GNU General Public License v1.0

**GNU GENERAL PUBLIC LICENSE** 

Version 1, February 1989

Copyright (C) 1989 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.

#### Preamble

The license agreements of most software companies try to keep users at the mercy of those companies. By contrast, our 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. The General Public License applies to the Free Software Foundation's software and to any other program whose authors commit to using it. You can use it for your programs, too.

When we speak of free software, we are referring to freedom, not price. Specifically, the General Public License is designed to make sure that you have the freedom to give away or sell copies of free software, 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 a 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 tell them 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.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement 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 work containing the Program or a portion of it, either verbatim or with modifications. Each licensee is addressed as "you".

- 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 General Public License and to the absence of any warranty; and give any other recipients of the Program a copy of this General Public License along with the Program. You may charge a fee for the physical act of transferring a copy.
- 2. You may modify your copy or copies of the Program or any portion of it, and copy and distribute such modifications under the terms of Paragraph 1 above, provided that you also do the following:
- a) cause the modified files to carry prominent notices stating that you changed the files and the date of any change; and
- b) cause the whole of any work that you distribute or publish, that in whole or in part contains the Program or any part thereof, either with or without modifications, to be licensed at no charge to all third parties under the terms of this General Public License (except that you may choose to grant warranty protection to some or all third parties, at your option).
- c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the simplest and most usual 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 General Public License.
- d) 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.

Mere aggregation of another independent work with the Program (or its derivative) on a volume of a storage or distribution medium does not bring the other work under the scope of these terms.

- 3. You may copy and distribute the Program (or a portion or derivative of it, under Paragraph 2) in object code or executable form under the terms of Paragraphs 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 Paragraphs 1 and 2 above; or,
- b) accompany it with a written offer, valid for at least three years, to give any third party free (except for a nominal charge for the cost of distribution) a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Paragraphs 1 and 2 above; or,
- c) accompany it with the information you received as to where the corresponding source code may be obtained. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form alone.)

Source code for a work means the preferred form of the work for making modifications to it. For an executable file, complete source code means all the source code for all modules it contains; but, as a special exception, it need not include source code for modules which are standard libraries that accompany the operating system on which

the executable file runs, or for standard header files or definitions files that accompany that operating system.

- 4. You may not copy, modify, sublicense, distribute or transfer the Program except as expressly provided under this General Public License. Any attempt otherwise to copy, modify, sublicense, distribute or transfer the Program is void, and will automatically terminate your rights to use the Program under this License. However, parties who have received copies, or rights to use copies, from you under this General Public License will not have their licenses terminated so long as such parties remain in full compliance.
- 5. By copying, distributing or modifying 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.
- 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.
- 7. 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 the 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 the license, you may choose any version ever published by the Free Software Foundation.

8. 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

- 9. 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.
- 10. 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**

Appendix: 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 humanity, 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 a brief idea of what it does.&gt; Copyright (C) 19yy &lt;name of author&gt;

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 1, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WAR-RANTY; 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., 675 Mass Ave, Cambridge, MA 02139, 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) 19xx 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 a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program 'Gnomovision' (a program to direct compilers to make passes at assemblers) written by James Hacker.

<signature of Ty Coon&gt;, 1 April 1989 Ty Coon, President of Vice That's all there is to it!

# 3.27 GNU General Public License v2.0

**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 WAR-RANTY; 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.

# 3.28 GNU General Public License v3.0

#### **GNU GENERAL PUBLIC LICENSE**

Copyright © 2007 Free Software Foundation, Inc. http://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 Corre-

sponding 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 MERCHANT-ABILITY 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) \( \text{ year } \) \( \text{ name of author } \)

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 WAR-RANTY; 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 long with this program. If not, see http://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:  $\langle \ \langle \ \text{program} \ \rangle \ \text{Copyright (C)} \ \langle \ \text{year} \ \rangle \ \langle \ \text{name of author} \ \rangle$ 

**ICU License** 

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 http://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 http://www.gnu.org/philosophy/why-not-lgpl.html

# 3.29 Paul Hsieh derivative license

The derivative content includes raw computer source code, ideas, opinions, and excerpts whose original source is covered under another license and transformations of such derivatives. Note that mere excerpts by themselves (with the exception of raw source code) are not considered derivative works under this license. Use and redistribution is limited to the following conditions:

One may not create a derivative work which, in any way, violates the Paul Hsieh exposition license described above on the original content.

One may not apply a license to a derivative work that precludes anyone else from using and redistributing derivative content.

One may not attribute any derivative content to authors not involved in the creation of the content, though an attribution to the author is not necessary.

# 3.30 ICU License

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, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, provided that the above copyright notice(s) and this permission notice appear in all copies of the Software and that both the above copyright notice(s) and this permission notice appear in supporting documentation.

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 OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT

ISC IBM License

HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

# 3.31 ISC License

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND ISC DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

# 3.32 ISC IBM License

International Business Machines, Inc. (hereinafter called IBM) grants permission under its copyrights to use, copy, modify, and distribute this Software with or without fee, provided that the above copyright notice and all paragraphs of this notice appear in all copies, and that the name of IBM not be used in connection with the marketing of any product incorporating the Software or modifications thereof, without specific, written prior permission. To the extent it has a right to do so, IBM grants an immunity from suit under its patents, if any, for the use, sale or manufacture of products to the extent that such products are used for performing Domain Name System dynamic updates in TCP/IP networks by means of the Software. No immunity is granted for any product per se or for any other function of any product.

THE SOFTWARE IS PROVIDED "AS IS", AND THE COPYRIGHT HOLDER DISCLAIMS ALL WARRANTIES, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE, EVEN IF IBM IS APPRISED OF THE POSSIBILITY OF SUCH DAMAGES.

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 deriva-

tive 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 WAR-RANTY; 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!

### 3.34 GNU Lesser General Public License v2.1

GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

Copyright (C) 1991, 1999 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.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

#### 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 Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, 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 and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these 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 other code 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.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

#### TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser 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 mod-

ules 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 combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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

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

GNU Lesser General Public License v2.1

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 with 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.

GNU Lesser General Public License v2.1

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 Lesser 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** 

GNU Lesser General Public License v3.0

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 Lesser General Public License as published by the Free Software Foundation; either version 2.1 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 WAR-RANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; 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.

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!

## 3.35 GNU Lesser General Public License v3.0

GNU LESSER GENERAL PUBLIC LICENSE

Version 3, 29 June 2007

Copyright © 2007 Free Software Foundation, Inc. http://fsf.org/

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

GNU Lesser General Public License v3.0

This version of the GNU Lesser General Public License incorporates the terms and conditions of version 3 of the GNU General Public License, supplemented by the additional permissions listed below.

#### 0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of the GNU General Public License.

"The Library" refers to a covered work governed by this License, other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library. Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

- a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or
- b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.
- 3. Object Code Incorporating Material from Library Header Files.

The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

GNU Lesser General Public License v3.0

- a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.
- b) Accompany the object code with a copy of the GNU GPL and this license document.
- 4. Combined Works.

You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

- a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.
- b) Accompany the Combined Work with a copy of the GNU GPL and this license document.
- c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.
- d) Do one of the following: •0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.
- 1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.
- e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)

#### 5. Combined Libraries.

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 that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

- a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.
- b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.
- 6. Revised Versions of the GNU Lesser General Public License.

**CMU License** 

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser 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 as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

## 3.36 MIT License

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 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.

## 3.37 CMU License

Permission to use, copy, modify and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appears in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of the copyright holder not be used in advertising or publicity pertaining to distribution of the software without specific written permission.

MIT Old Style with legal disclaimer

THE COPYRIGHT HOLDERS DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM THE LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

## 3.38 MIT Mach-CMU License

All Rights Reserved.

Permission to use, copy, modify and distribute this software and its documentation is hereby granted, provided that both the copyright notice and this permission notice appear in all copies of the software, derivative works or modified versions, and any portions thereof, and that both notices appear in supporting documentation.

COPYRIGHT HOLDER ALLOWS FREE USE OF THIS SOFTWARE IN ITS ``AS IS' CONDITION. COPYRIGHT HOLDER DISCLAIMS ANY LIABILITY OF ANY KIND FOR ANY DAMAGES WHATSOEVER RESULTING FROM THE USE OF THIS SOFTWARE.

# 3.39 MIT Old Style (no advertising without permission)

Permission to use, copy, modify, distribute and sell this program for any purpose and without fee is hereby granted, provided that this copyright and permission notice appear on all copies and supporting documentation, the name of the copyrightholder not be used in advertising or publicity pertaining to distribution of the program without specific prior permission, and notice be given in supporting documentation that copying and distribution is by permission of the copyrightholder. The copyrightholde makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

# 3.40 MIT Old Style with legal disclaimer

Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of the Copyrightholder not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. The copyright holder makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

THE COPYRIGHT HOLDER DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL COPYRIGHT HOLDER BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

## 3.41 Mozilla Public License 2.0

Mozilla Public License

Version 2.0

- 1. Definitions
- 1.1. "Contributor"

means each individual or legal entity that creates, contributes to the creation of, or owns Covered Software.

1.2. "Contributor Version"

means the combination of the Contributions of others (if any) used by a Contributor and that particular Contributor's Contribution.

1.3. "Contribution"

means Covered Software of a particular Contributor.

1.4. "Covered Software"

means Source Code Form to which the initial Contributor has attached the notice in Exhibit A, the Executable Form of such Source Code Form, and Modifications of such Source Code Form, in each case including portions thereof.

1.5. "Incompatible With Secondary Licenses"

means

- (a) that the initial Contributor has attached the notice described in Exhibit B to the Covered Software; or
- (b) that the Covered Software was made available under the terms of version 1.1 or earlier of the License, but not also under the terms of a Secondary License.
- 1.6. "Executable Form"

means any form of the work other than Source Code Form.

1.7. "Larger Work"

means a work that combines Covered Software with other material, in a separate file or files, that is not Covered Software.

1.8. "License"

means this document.

#### 1.9. "Licensable"

means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently, any and all of the rights conveyed by this License.

#### 1.10. "Modifications"

means any of the following:

- (a) any file in Source Code Form that results from an addition to, deletion from, or modification of the contents of Covered Software; or
- (b) any new file in Source Code Form that contains any Covered Software.

#### 1.11. "Patent Claims" of a Contributor

means any patent claim(s), including without limitation, method, process, and apparatus claims, in any patent Licensable by such Contributor that would be infringed, but for the grant of the License, by the making, using, selling, offering for sale, having made, import, or transfer of either its Contributions or its Contributor Version.

#### 1.12. "Secondary License"

means either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Version 2.1, the GNU Affero General Public License, Version 3.0, or any later versions of those licenses.

#### 1.13. "Source Code Form"

means the form of the work preferred for making modifications.

#### 1.14. "You" (or "Your")

means an individual or a legal entity exercising rights under this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

#### 2. License Grants and Conditions

#### 2.1. Grants

Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

- (a) under intellectual property rights (other than patent or trademark) Licensable by such Contributor to use, reproduce, make available, modify, display, perform, distribute, and otherwise exploit its Contributions, either on an unmodified basis, with Modifications, or as part of a Larger Work; and
- (b) under Patent Claims of such Contributor to make, use, sell, offer for sale, have made, import, and otherwise transfer either its Contributions or its Contributor Version.

#### 2.2. Effective Date

The licenses granted in Section 2.1 with respect to any Contribution become effective for each Contribution on the date the Contributor first distributes such Contribution.

#### 2.3. Limitations on Grant Scope

The licenses granted in this Section 2 are the only rights granted under this License. No additional rights or licenses will be implied from the distribution or licensing of Covered Software under this License. Notwithstanding Section 2.1 (b) above, no patent license is granted by a Contributor:

- (a) for any code that a Contributor has removed from Covered Software; or
- (b) for infringements caused by: (i) Your and any other third party's modifications of Covered Software, or (ii) the combination of its Contributions with other software (except as part of its Contributor Version); or
- (c) under Patent Claims infringed by Covered Software in the absence of its Contributions.

This License does not grant any rights in the trademarks, service marks, or logos of any Contributor (except as may be necessary to comply with the notice requirements in Section 3.4).

#### 2.4. Subsequent Licenses

No Contributor makes additional grants as a result of Your choice to distribute the Covered Software under a subsequent version of this License (see Section 10.2) or under the terms of a Secondary License (if permitted under the terms of Section 3.3).

#### 2.5. Representation

Each Contributor represents that the Contributor believes its Contributions are its original creation(s) or it has sufficient rights to grant the rights to its Contributions conveyed by this License.

#### 2.6. Fair Use

This License is not intended to limit any rights You have under applicable copyright doctrines of fair use, fair dealing, or other equivalents.

#### 2.7. Conditions

Sections 3.1, 3.2, 3.3, and 3.4 are conditions of the licenses granted in Section 2.1.

#### 3. Responsibilities

#### 3.1. Distribution of Source Form

All distribution of Covered Software in Source Code Form, including any Modifications that You create or to which You contribute, must be under the terms of this License. You must inform recipients that the Source Code Form of the Covered Software is governed by the terms of this License, and how they can obtain a copy of this License. You may not attempt to alter or restrict the recipients' rights in the Source Code Form.

#### 3.2. Distribution of Executable Form

If You distribute Covered Software in Executable Form then:

(a) such Covered Software must also be made available in Source Code Form, as described in Section 3.1, and You must inform recipients of the Executable Form how they can obtain a copy of such Source Code Form by reasonable means in a timely manner, at a charge no more than the cost of distribution to the recipient; and

(b) You may distribute such Executable Form under the terms of this License, or sublicense it under different terms, provided that the license for the Executable Form does not attempt to limit or alter the recipients' rights in the Source Code Form under this License.

#### 3.3. Distribution of a Larger Work

You may create and distribute a Larger Work under terms of Your choice, provided that You also comply with the requirements of this License for the Covered Software. If the Larger Work is a combination of Covered Software with a work governed by one or more Secondary Licenses, and the Covered Software is not Incompatible With Secondary Licenses, this License permits You to additionally distribute such Covered Software under the terms of such Secondary License(s), so that the recipient of the Larger Work may, at their option, further distribute the Covered Software under the terms of either this License or such Secondary License(s).

#### 3.4. Notices

You may not remove or alter the substance of any license notices (including copyright notices, patent notices, disclaimers of warranty, or limitations of liability) contained within the Source Code Form of the Covered Software, except that You may alter any license notices to the extent required to remedy known factual inaccuracies.

#### 3.5. Application of Additional Terms

You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, You may do so only on Your own behalf, and not on behalf of any Contributor. You must make it absolutely clear that any such warranty, support, indemnity, or liability obligation is offered by You alone, and You hereby agree to indemnify every Contributor for any liability incurred by such Contributor as a result of warranty, support, indemnity or liability terms You offer. You may include additional disclaimers of warranty and limitations of liability specific to any jurisdiction.

#### 4. Inability to Comply Due to Statute or Regulation

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Software due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be placed in a text file included with all distributions of the Covered Software under this License. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

#### 5. Termination

5.1. The rights granted under this License will terminate automatically if You fail to comply with any of its terms. However, if You become compliant, then the rights granted under this License from a particular Contributor are reinstated (a) provisionally, unless and until such Contributor explicitly and finally terminates Your grants, and (b) on an ongoing basis, if such Contributor fails to notify You of the non-compliance by some reasonable means prior to 60 days after You have come back into compliance. Moreover, Your grants from a particular Contributor are reinstated on an ongoing basis if such Contributor notifies You of the non-compliance by some reasonable means, this is the first time You have received notice of non-compliance with this License from

such Contributor, and You become compliant prior to 30 days after Your receipt of the notice.

- 5.2. If You initiate litigation against any entity by asserting a patent infringement claim (excluding declaratory judgment actions, counter-claims, and cross-claims) alleging that a Contributor Version directly or indirectly infringes any patent, then the rights granted to You by any and all Contributors for the Covered Software under Section 2.1 of this License shall terminate.
- 5.3. In the event of termination under Sections 5.1 or 5.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or Your distributors under this License prior to termination shall survive termination.

#### 6. Disclaimer of Warranty

Covered Software is provided under this License on an "as is" basis, without warranty of any kind, either expressed, implied, or statutory, including, without limitation, warranties that the Covered Software is free of defects, merchantable, fit for a particular purpose or non-infringing. The entire risk as to the quality and performance of the Covered Software is with You. Should any Covered Software prove defective in any respect, You (not any Contributor) assume the cost of any necessary servicing, repair, or correction. This disclaimer of warranty constitutes an essential part of this License. No use of any Covered Software is authorized under this License except under this disclaimer.

#### 7. Limitation of Liability

Under no circumstances and under no legal theory, whether tort (including negligence), contract, or otherwise, shall any Contributor, or anyone who distributes Covered Software as permitted above, be liable to You for any direct, indirect, special, incidental, or consequential damages of any character including, without limitation, damages for lost profits, loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses, even if such party shall have been informed of the possibility of such damages. This limitation of liability shall not apply to liability for death or personal injury resulting from such party's negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.

#### 8. Litigation

Any litigation relating to this License may be brought only in the courts of a jurisdiction where the defendant maintains its principal place of business and such litigation shall be governed by laws of that jurisdiction, without reference to its conflict-of-law provisions. Nothing in this Section shall prevent a party's ability to bring cross-claims or counter-claims.

#### Miscellaneous

This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not be used to construe this License against a Contributor.

SIL Open Font License 1.1

#### 10. Versions of the License

#### 10.1. New Versions

Mozilla Foundation is the license steward. Except as provided in Section 10.3, no one other than the license steward has the right to modify or publish new versions of this License. Each version will be given a distinguishing version number.

#### 10.2. Effect of New Versions

You may distribute the Covered Software under the terms of the version of the License under which You originally received the Covered Software, or under the terms of any subsequent version published by the license steward.

#### 10.3. Modified Versions

If you create software not governed by this License, and you want to create a new license for such software, you may create and use a modified version of this License if you rename the license and remove any references to the name of the license steward (except to note that such modified license differs from this License).

10.4. Distributing Source Code Form that is Incompatible With Secondary Licenses

If You choose to distribute Source Code Form that is Incompatible With Secondary Licenses under the terms of this version of the License, the notice described in Exhibit B of this License must be attached.

Exhibit A - Source Code Form License Notice

This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at https://mozilla.org/MPL/2.0/.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.

Exhibit B - "Incompatible With Secondary Licenses" Notice

This Source Code Form is "Incompatible With Secondary Licenses", as defined by the Mozilla Public License, v. 2.0.

# 3.42 SIL Open Font License 1.1

SIL OPEN FONT LICENSE Version 1.1 - 26 February 2007

#### **PREAMBLE**

The goals of the Open Font License (OFL) are to stimulate worldwide development of collaborative font projects, to support the font creation efforts of academic and linguistic communities, and to provide a free and open framework in which fonts may be shared and improved in partnership with others.

SIL Open Font License 1.1

The OFL allows the licensed fonts to be used, studied, modified and redistributed freely as long as they are not sold by themselves. The fonts, including any derivative works, can be bundled, embedded, redistributed and/or sold with any software provided that any reserved names are not used by derivative works. The fonts and derivatives, however, cannot be released under any other type of license. The requirement for fonts to remain under this license does not apply to any document created using the fonts or their derivatives.

#### **DEFINITIONS**

"Font Software" refers to the set of files released by the Copyright Holder(s) under this license and clearly marked as such. This may include source files, build scripts and documentation.

"Reserved Font Name" refers to any names specified as such after the copyright statement(s).

"Original Version" refers to the collection of Font Software components as distributed by the Copyright Holder(s).

"Modified Version" refers to any derivative made by adding to, deleting, or substituting — in part or in whole — any of the components of the Original Version, by changing formats or by porting the Font Software to a new environment.

"Author" refers to any designer, engineer, programmer, technical writer or other person who contributed to the Font Software.

#### PERMISSION & CONDITIONS

Permission is hereby granted, free of charge, to any person obtaining a copy of the Font Software, to use, study, copy, merge, embed, modify, redistribute, and sell modified and unmodified copies of the Font Software, subject to the following conditions:

- 1) Neither the Font Software nor any of its individual components, in Original or Modified Versions, may be sold by itself.
- 2) Original or Modified Versions of the Font Software may be bundled, redistributed and/or sold with any software, provided that each copy contains the above copyright notice and this license. These can be included either as stand-alone text files, human-readable headers or in the appropriate machine-readable metadata fields within text or binary files as long as those fields can be easily viewed by the user.
- 3) No Modified Version of the Font Software may use the Reserved Font Name(s) unless explicit written permission is granted by the corresponding Copyright Holder. This restriction only applies to the primary font name as presented to the users.
- 4) The name(s) of the Copyright Holder(s) or the Author(s) of the Font Software shall not be used to promote, endorse or advertise any Modified Version, except to acknowledge the contribution(s) of the Copyright Holder(s) and the Author(s) or with their explicit written permission.
- 5) The Font Software, modified or unmodified, in part or in whole, must be distributed entirely under this license, and must not be distributed under any other license. The requirement for fonts to remain under this license does not apply to any document created using the Font Software.

#### **TERMINATION**

Open LDAP Public License v2.8

This license becomes null and void if any of the above conditions are not met.

#### **DISCLAIMER**

THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT OF COPYRIGHT, PATENT, TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, INCLUDING ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF THE USE OR INABILITY TO USE THE FONT SOFTWARE OR FROM OTHER DEALINGS IN THE FONT SOFTWARE.

# 3.43 Open LDAP Public License v2.8

The OpenLDAP Public License Version 2.8, 17 August 2003

Redistribution and use of this software and associated documentation ("Software"), with or without modification, are permitted provided that the following conditions are met:

- 1. Redistributions in source form must retain copyright statements and notices,
- 2. Redistributions in binary form must reproduce applicable copyright statements and notices, this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution, and
- 3. Redistributions must contain a verbatim copy of this document.

The OpenLDAP Foundation may revise this license from time to time. Each revision is distinguished by a version number. You may use this Software under terms of this license revision or under the terms of any subsequent revision of the license.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The names of the authors and copyright holders must not be used in advertising or otherwise to promote the sale, use or other dealing in this Software without specific, written prior permission. Title to copyright in this Software shall at all times remain with copyright holders.

OpenLDAP is a registered trademark of the OpenLDAP Foundation.

Copyright 1999-2003 The OpenLDAP Foundation, Redwood City, California, USA. All Rights Reserved. Permission to copy and distribute verbatim copies of this document is granted.

# 3.44 OpenSSL License

OpenSSL License

Copyright (c) 1998-2008 The OpenSSL Project. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- 3. All advertising materials mentioning features or use of this software must display the following acknowledgment: "This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (http://www.openssl.org/)"
- 4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact openssl-core@openssl.org.
- 5. Products derived from this software may not be called "OpenSSL" nor may "OpenSSL" appear in their names without prior written permission of the OpenSSL Project.
- 6. Redistributions of any form whatsoever must retain the following acknowledgment: "This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/)"

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This product includes cryptographic software written by Eric Young (eay@crypt-soft.com). This product includes software written by Tim Hudson (tjh@cryptsoft.com).

Original SSLeay License

Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com) All rights reserved.

This package is an SSL implementation written by Eric Young (eay@cryptsoft.com). The implementation was written so as to conform with Netscapes SSL.

This library is free for commercial and non-commercial use as long as the following conditions are aheared to. The following conditions apply to all code found in this distribution, be it the RC4, RSA, lhash, DES, etc., code; not just the SSL code. The SSL documentation included with this distribution is covered by the same copyright terms except that the holder is Tim Hudson (tjh@cryptsoft.com).

Copyright remains Eric Young's, and as such any Copyright notices in the code are not to be removed. If this package is used in a product, Eric Young should be given attribution as the author of the parts of the library used. This can be in the form of a textual message at program startup or in documentation (online or textual) provided with the package.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- 1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.
- 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- 3. All advertising materials mentioning features or use of this software must display the following acknowledgement:

"This product includes cryptographic software written by Eric Young (eay@crypt-soft.com)"

The word 'cryptographic' can be left out if the rouines from the library being used are not cryptographic related :-).

4. If you include any Windows specific code (or a derivative thereof) from the apps directory (application code) you must include an acknowledgement: "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The licence and distribution terms for any publically available version or derivative of this code cannot be changed. i.e. this code cannot simply be copied and put under another distribution licence [including the GNU Public Licence.]

## 3.45 PCRE License

Permission is granted to anyone to use this software for any purpose on any computer system, and to redistribute it freely, subject to the following restrictions:

- 1. This software 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.
- 2. The origin of this software must not be misrepresented, either by explicit claim or by omission. In practice, this means that if you use PCRE in software which you distribute to others, commercially or otherwise, you must put a sentence like this

Regular expression support is provided by the PCRE library package, which is open source software, written by Philip Hazel, and copyright

by the University of Cambridge, England.

somewhere reasonably visible in your documentation and in any relevant files or online help data or similar. A reference to the ftp site for

the source, that is, to ftp://ftp.csx.cam.ac.uk/pub/software/programming/pcre/ should also be given in the documentation.

- 3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software.
- 4. If PCRE is embedded in any software that is released under the GNU General Purpose Licence (GPL), or Lesser General Purpose Licence (LGPL), then the terms of that licence shall supersede any condition above with which it is incompatible.

The documentation for PCRE, supplied in the "doc" directory, is distributed under the same terms as the software itself.

End

### 3.46 PCSC-LITE License

Copyright (c) 1999-2003 David Corcoran (corcoran@linuxnet.com)

Copyright (c) 2001-2011 Ludovic Rousseau \( \text{ ludovic.rousseau@free.fr} \)

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1.Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

**RSA Message-Digest License** 

- 2.Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- 3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

Changes to this license can be made only by the copyright author with explicit written consent.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

## 3.47 RFC Reference

This document and translations of it may be copied and furnished to others, and derivative works that comment on or otherwise explain it or assist in its implementation may be prepared, copied, published and distributed, in whole or in part, without restriction of any kind, provided that the above copyright notice and this paragraph are included on all such copies and derivative works. However, this document itself may not be modified in any way, such as by removing the copyright notice or references to the Internet Society or other Internet organizations, except as needed for the purpose of developing Internet standards in which case the procedures for copyrights defined in the Internet Standards process must be followed, or as required to translate it into languages other than English.

The limited permissions granted above are perpetual and will not be revoked by the Internet Society or its successors or assigns.

# 3.48 RSA Message-Digest License

All rights reserved.

License to copy and use this software is granted provided that it is identified as the "RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing this software or this function.

License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing the derived work.

Smail General Public License

RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

These notices must be retained in any copies of any part of this documentation and/or software.

# 3.49 Smail General Public License

SMAIL GENERAL PUBLIC LICENSE (Clarified 11 Feb 1988)

Copyright (C) 1988 Landon Curt Noll & Ronald S. Karr

Copyright (C) 1992 Ronald S. Karr

Copyleft (GNU) 1988 Landon Curt Noll & Ronald S. Karr

Everyone is permitted to copy and distribute verbatim copies of this license, but changing it is not allowed. You can also use this wording to make the terms for other programs.

The license agreements of most software companies keep you at the mercy of those companies. By contrast, our general public license is

intended to give everyone the right to share SMAIL. To make sure that you get the rights we want you to have, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. Hence this license agreement.

Specifically, we want to make sure that you have the right to give away copies of SMAIL, that you receive source code or else can get it

if you want it, that you can change SMAIL or use pieces of it in new free programs, and that you know you can do these things.

To make sure that everyone has such rights, we have to forbid you to deprive anyone else of these rights. For example, if you distribute

copies of SMAIL, 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 tell them their rights.

Also, for our own protection, we must make certain that everyone finds out that there is no warranty for SMAIL. If SMAIL is modified by

someone else and passed on, we want its recipients to know that what they have is not what we distributed, so that any problems introduced by others will not reflect on our reputation. Therefore we (Landon Curt Noll and Ronald S. Karr) make the following terms which say what you must do to be allowed to distribute or change

SMAIL.

#### **COPYING POLICIES**

1. You may copy and distribute verbatim copies of SMAIL source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each

Smail General Public License

copy a valid copyright notice "Copyright (C) 1988 Landon Curt Noll & Ronald S. Karr" (or with whatever year is appropriate); keep intact the notices on all files that refer to this License Agreement and to the absence of any warranty; and give any other recipients of the SMAIL program a copy of this License Agreement along with the program. You may charge a distribution fee

for the physical act of transferring a copy.

2. You may modify your copy or copies of SMAIL or any portion of it, and copy and distribute such modifications under the terms of

Paragraph 1 above, provided that you also do the following:

- a) cause the modified files to carry prominent notices stating that you changed the files and the date of any change; and
- b) cause the whole of any work that you distribute or publish, that in whole or in part contains or is a derivative of SMAIL or any part thereof, to be licensed at no charge to all third parties on terms identical to those contained in this License Agreement (except that you may choose to grant more extensive warranty protection to some or all third parties, at your option).
- c) You may charge a distribution fee for the physical act of transferring a copy, and you may at your option offer warranty

protection in exchange for a fee.

Mere aggregation of another unrelated program with this program (or its derivative) on a volume of a storage or distribution medium does not bring the other program under the scope of these terms.

- 3. You may copy and distribute SMAIL (or a portion or derivative of it, under Paragraph 2) in object code or executable form under the terms of Paragraphs 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 Paragraphs 1 and 2 above; or,
- b) accompany it with a written offer, valid for at least three years, to give any third party free (except for a nominal shipping charge) a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Paragraphs 1 and 2 above; or,
- c) accompany it with the information you received as to where the corresponding source code may be obtained. (This alternative is

allowed only for non-commercial distribution and only if you received the program in object code or executable form alone.)

For an executable file, complete source code means all the source code for all modules it contains; but, as a special exception, it need not include source code for modules which are standard libraries that accompany theo perating system on which the executable file runs.

4. You may not copy, sublicense, distribute or transfer SMAIL except as expressly provided under this License Agreement. Any attempt otherwise to copy, sublicense, dis-

Smail General Public License

tribute or transfer SMAIL is void and your rights to use the program under this License agreement shall be

automatically terminated. However, parties who have received computer software programs from you with this License Agreement will not have their licenses terminated so long as such parties remain in full compliance.

5. If you wish to incorporate parts of SMAIL into other free programs whose distribution conditions are different, write to Landon

Curt Noll & Ronald S. Karr via the Free Software Foundation at 51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA. We have not yet

worked out a simple rule that can be stated here, but we will often permit this. We 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.

Your comments and suggestions about our licensing policies and our software are welcome! This contract was based on the contract made by the Free Software Foundation. Please contact the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301,

USA, or call (617) 542-5942 for details on copylefted material in general.

#### NO WARRANTY

BECAUSE SMAIL IS LICENSED FREE OF CHARGE, WE PROVIDE ABSOLUTELY NO WARRANTY, TO THE EXTENT PERMITTED BY APPLICABLE STATE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING, THE COPYRIGHT HOLDERS PROVIDE SMAIL "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 SMAIL IS WITH YOU. SHOULD SMAIL PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW WILL THE COPYRIGHT HOLDERS AND/OR ANY OTHER PARTY WHO MAY MODIFY AND REDISTRIBUTESMAIL AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANYLOST PROFITS, LOST MONIES, OR OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE(INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY THIRD PARTIES OR A FAILURE OF THE

PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS) SMAIL, EVEN IF YOU HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, OR FOR ANY CLAIM BY ANY OTHER PARTY.

# 3.50 Spencer License 86

Permission is granted to anyone to use this software for any purpose on any computer system, and to redistribute it freely, subject to the following restrictions:

- 1. The author is not responsible for the consequences of use of this software, no matter how awful, even if they arise from defects in it.
- 2. The origin of this software must not be misrepresented, either by explicit claim or by omission.
- 3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software.

# 3.51 Spencer License 94

This software is not subject to any license of the American Telephone and Telegraph Company or of the Regents of the University of California.

Permission is granted to anyone to use this software for any purpose on any computer system, and to alter it and redistribute it, subject to the following restrictions:

- 1. The author is not responsible for the consequences of use of this software, no matter how awful, even if they arise from flaws in it.
- 2. The origin of this software must not be misrepresented, either by explicit claim or by omission. Since few users ever read sources, credits must appear in the documentation
- 3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software. Since few users ever read sources, credits must appear in the documentation.
- 4. This notice may not be removed or altered.

# 3.52 TCP Wrappers License

Copyright 1995 by Wietse Venema. All rights reserved. Some individual files may be covered by other copyrights.

This material was originally written and compiled by Wietse Venema at Eindhoven University of Technology, The Netherlands, in 1990, 1991, 1992, 1993, 1994 and 1995.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that this entire copyright notice is duplicated in all such copies.

This software is provided "as is" and without any expressed or implied warranties, including, without limitation, the implied warranties of merchantibility and fitness for any particular purpose.

Unicode License Agreement - Data Files and Software (2015)

## 3.53 Text::Tabs License

This module may be modified, used, copied, and redistributed at your own risk. Although allowed by the preceding license, please do not publicly redistribute modified versions of this code with the name "Text::Tabs" unless it passes the unmodified Text::Tabs test suite.

# 3.54 Unicode License Agreement - Data Files and Software (2015)

UNICODE, INC. LICENSE AGREEMENT - DATA FILES AND SOFTWARE

Unicode Data Files include all data files under the directories http://www.unicode.org/Public/, http://www.unicode.org/reports/, and http://www.unicode.org/cldr/data/. Unicode Data Files do not include PDF online code charts under the directory http://www.unicode.org/Public/. Software includes any source code published in the Unicode Standard or under the directories http://www.unicode.org/Public/, http://www.unicode.org/reports/, and http://www.unicode.org/cldr/data/.

NOTICE TO USER: Carefully read the following legal agreement. BY DOWNLOAD-ING, INSTALLING, COPYING OR OTHERWISE USING UNICODE INC.'S DATA FILES ("DATA FILES"), AND/OR SOFTWARE ("SOFTWARE"), YOU UNEQUIVO-CALLY ACCEPT, AND AGREE TO BE BOUND BY, ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT. IF YOU DO NOT AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE THE DATA FILES OR SOFTWARE.

#### COPYRIGHT AND PERMISSION NOTICE

Copyright © 1991-2015 Unicode, Inc. All rights reserved. Distributed under the Terms of Use in http://www.unicode.org/copyright.html.

Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that

- (a) this copyright and permission notice appear with all copies of the Data Files or Software.
- (b) this copyright and permission notice appear in associated documentation, and
- (c) there is clear notice in each modified Data File or in the Software as well as in the documentation associated with the Data File(s) or Software that the data or software has been modified.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WAR-RANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PUR-

POSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder

## 3.55 X11 License

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 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 NONIN-FRINGEMENT. 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.

Except as contained in this notice, the name of the copyright holders shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the copyright holders.

## 3.56 zlib License

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.

- 2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
- 3. This notice may not be removed or altered from any source distribution.

# 3.57 bzip2 and libbzip2 License

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- 2. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
- 3. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
- 4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

### 3.58 curl License

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies. 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 OF THIRD PARTY RIGHTS. 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. Except as contained in this notice, the name of a copyright holder shall not be used in

advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

## 3.59 The Inner Net License Version 2.00

The author(s) grant permission for redistribution and use in source and binary forms, with or without modification, of the software and documentation provided that the following conditions are met:

- 0. If you receive a version of the software that is specifically labelled as not being for redistribution (check the version message and/or README), you are not permitted to redistribute that version of the software in any way or form.
- 1. All terms of the all other applicable copyrights and licenses must be followed.
- 2. Redistributions of source code must retain the authors' copyright notice(s), this list of conditions, and the following disclaimer.
- 3. Redistributions in binary form must reproduce the authors' copyright notice(s), this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution.
- 4. [The copyright holder has authorized the removal of this clause.]
- 5. Neither the name(s) of the author(s) nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY ITS AUTHORS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHORS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS

SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

If these license terms cause you a real problem, contact the author.

# 3.60 s2p License

This program is free and open software. You may use, modify, distribute, and sell this program (and any modified variants) in any way you wish, provided you do not restrict others from doing the same.

# 4 Copyrights

The following table lists copyright notices for open source software packages (or parts of such software packages).

Package	Version	Copyright
adduser	3.118	Copyright © 2000 Roland Bauerschmidt <rb@debian.org> Copyright © 1997, 1998, 1999 Guy Maor <maor@debian.org> Copyright © 1995 Ted Hajek <tedhajek@boombox.micro.umn.edu> Copyright © 1994 Debian Association, Inc.</tedhajek@boombox.micro.umn.edu></maor@debian.org></rb@debian.org>
apt	1.8.2.1	Copyright <sup>©</sup> 1997, 1998, 1999 Jason Gunthorpe and others
avahi	1.0.0	Lennart Poettering <lennart (at)="" (dot)="" de="" poettering=""> Trent Lloyd <lathiat@bur.st> Sebastien Estienne <sebastien.estienne@gmail.com> Jakub Stachowski James Willcox <snorp@snorp.net> Collabora Ltd.</snorp@snorp.net></sebastien.estienne@gmail.com></lathiat@bur.st></lennart>
base-files	10.3+deb10u6	Copyright <sup>©</sup> 1995-2011 Software in the Public Interest
base-passwd	3.5.46	Copyright © 1999-2002 Wichert Akkerman <wichert@deephack-mode.org> Copyright © 2001, 2002 Joey Hess Copyright © 2002, 2003, 2004 Colin Watson <cjwatson@debian.org> Copyright © 2002, 2003, 2004, 2005, 2007 Colin Watson Copyright © 2007 David Mandelberg</cjwatson@debian.org></wichert@deephack-mode.org>
bash	5.0-4	Copyright © 1987-2014 Free Software Foundation, Inc. Copyright © 1995-2005 by Chester Ramey Copyright © 1983, 1990, 1993 The Regents of the University of California. Copyright © 1993 by Digital Equipment Corporation

Package	Version	Copyright
bsdutils	2.33.1-0.1	Copyright ® *unknown*
		Copyright © 1980, 1987, 1988 The Regents of the University of Cali fornia.
		Copyright © 1986 Gary S. Brown
		Copyright © 1987 Regents of the University of California
		Copyright © 1990 Gordon Irlam <gordoni@cs.ua.oz.au></gordoni@cs.ua.oz.au>
		Copyright © 1991, 1992 Linus Torvalds
		Copyright <sup>©</sup> 1991-2004 Miquel van Smoorenburg
		Copyright <sup>©</sup> 1992 A. V. Le Blanc <leblanc@mcc.ac.uk></leblanc@mcc.ac.uk>
		Copyright © 1992-1997 Michael K. Johnson, johnsonm@redhat.com
		Copyright © 1994 Kevin E. Martin <martin@cs.unc.edu></martin@cs.unc.edu>
		Copyright © 1994 Martin Schulze <joey@infodrom.north.de></joey@infodrom.north.de>
		Copyright © 1994 Salvatore Valente <svalente@mit.edu></svalente@mit.edu>
		Copyright © 1994,1996 Alessandro Rubini <rubini@ipvvis.unipv.it></rubini@ipvvis.unipv.it>
		Copyright © 1994-2005 Jeff Tranter <tranter@pobox.com></tranter@pobox.com>
		Copyright <sup>©</sup> 1995, 1999, 2000 Andries E. Brouwer <aeb@cwi.nl></aeb@cwi.nl>
		Copyright <sup>©</sup> 1996, 1997, 1998, 1999, 2007 Theodore Ts'o.
		Copyright <sup>©</sup> 1996, 2003 Rickard E. Faith <faith@acm.org></faith@acm.org>
		Copyright <sup>©</sup> 1997-2005 Frodo Looijaard <frodo@frodo.looijaard.name></frodo@frodo.looijaard.name>
		Copyright <sup>©</sup> 1998 Danek Duvall <duvall@alumni.princeton.edu></duvall@alumni.princeton.edu>
		Copyright <sup>©</sup> 1999 Andreas Dilger
		Copyright <sup>©</sup> 1999 Andreas Dilger <adilger@enel.ucalgary.ca></adilger@enel.ucalgary.ca>
		Copyright <sup>©</sup> 1999, 2000, 2002-2009, 2010, 2011, 2012, 2014 Red Hat, Inc.
		Copyright <sup>©</sup> 1999, 2000, Red Hat Software
		Copyright © 1999, 2001 Andries Brouwer
		Copyright © 1999-2002 Transmeta Corporation
		Copyright <sup>©</sup> 1999-2008 by Theodore Ts'o
		Copyright © 2000 Werner Almesberger
		Copyright © 2000-2001 Gunnar Ritter
		Copyright © 2001 Andreas Dilger
		Copyright © 2003, 2004, 2005 Thorsten Kukuk
		Copyright © 2003, 2004, 2005, 2008 Theodore Ts'o <tytso@mit.edu></tytso@mit.edu>
		Copyright © 2003-2005 H. Peter Anvin
		Copyright © 2004 Robert Love <rml@tech9.net></rml@tech9.net>
		Copyright © 2004-2006 Michael Holzt, kju -at- fqdn.org
		Copyright © 2005 Adrian Bunk
		Copyright © 2005 Jens Axboe <jens@axboe.dk></jens@axboe.dk>
		Copyright © 2007, 2011 SuSE LINUX Products GmbH
		Copyright <sup>©</sup> 2007-2013 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2007-2014 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright <sup>©</sup> 2008 Cai Qian <qcai@redhat.com></qcai@redhat.com>

Package	Version	Copyright
		Copyright © 2008 Hayden A. James <hayden.james@gmail.com></hayden.james@gmail.com>
		Copyright © 2008 James Youngman <jay@gnu.org></jay@gnu.org>
		Copyright <sup>©</sup> 2008 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright <sup>©</sup> 2008 Roy Peled, the roy peled -at- gmail.com
		Copyright © 2008-2009, 2010, 2011, 2012 Karel Zak <kzak@red-hat.com></kzak@red-hat.com>
		Copyright © 2008-2012 Karel Zak <kzak@redhat.com></kzak@redhat.com>
1		Copyright © 2009 Mikhail Gusarov <dottedmag@dottedmag.net></dottedmag@dottedmag.net>
		Copyright © 2009-2014 Karel Zak <kzak@redhat.com></kzak@redhat.com>
1		Copyright <sup>©</sup> 2010 Hajime Taira <htaira@redhat.com></htaira@redhat.com>
1		Copyright <sup>©</sup> 2010 Jason Borden <jborden@bluehost.com>A</jborden@bluehost.com>
1		Copyright <sup>©</sup> 2010 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2010 Lennart Poettering
		Copyright <sup>©</sup> 2010 Masatake Yamato <yamato@redhat.com></yamato@redhat.com>
		Copyright <sup>©</sup> 2010, 2011 Davidlohr Bueso <dave@gnu.org></dave@gnu.org>
		Copyright © 2010, 2011, 2012 Davidlohr Bueso <dave@gnu.org></dave@gnu.org>
		Copyright <sup>©</sup> 2010-2013 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2011 IBM Corp.
		Copyright <sup>©</sup> 2011 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright <sup>©</sup> 2012 Andy Lutomirski <luto@amacapital.net></luto@amacapital.net>
		Copyright © 2012 Cody Maloney <cmaloney@theoretical-chaos.com></cmaloney@theoretical-chaos.com>
		Copyright © 2012 Davidlohr Bueso <dave@gnu.org></dave@gnu.org>
		Copyright © 2012 Lennart Poettering
		Copyright <sup>©</sup> 2012 Ondrej Oprala <ooprala@redhat.com></ooprala@redhat.com>
		Copyright <sup>©</sup> 2012 Sami Kerola <kerolasa@iki.fi></kerolasa@iki.fi>
		Copyright © 2012 Werner Fink <werner@suse.de></werner@suse.de>
		Copyright © 2012-2013 Eric Biederman <ebiederm@xmission.com></ebiederm@xmission.com>
		Copyright <sup>©</sup> 2012-2014 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2013, Red Hat, Inc.
		Copyright © 2013,2014 Ondrej Oprala <ooprala@redhat.com></ooprala@redhat.com>
		Copyright <sup>©</sup> 2014 Ondrej Oprala <ooprala@redhat.com></ooprala@redhat.com>
		Copyright © Guy Maor <maor@debian.org></maor@debian.org>
		Copyright <sup>©</sup> Michal Luscon <mluscon@redhat.com></mluscon@redhat.com>
		Copyright <sup>©</sup> n/a
ca-certificates	20200601~deb1	Copyright © 2003 Fumitoshi UKAI <ukai@debian.or.jp></ukai@debian.or.jp>
	0u1	Copyright © 2009 Philipp Kern <pkern@debian.org></pkern@debian.org>
		Copyright © 2011 Michael Shuler <michael@pbandjelly.org></michael@pbandjelly.org>
		Copyright <sup>©</sup> Mozilla Contributors

Package	Version	Copyright
coreutils	8.30-3	Copyright <sup>©</sup> 1984-2008 Free Software Foundation, Inc.
		Copyright <sup>©</sup> 1989, 1990, 1993, 1994 The Regents of the University of California
		Copyright © 1997, 1998, 1999 Colin Plumb
		Copyright <sup>©</sup> 1996-1999 by Internet Software Consortium
		Copyright <sup>©</sup> 1984 David M. Ihnat
		Copyright <sup>©</sup> 1994, 1995, 1997, 1998, 1999, 2000 H. Peter Anvin
curl	7.64.0-4+deb10u	Copyright <sup>©</sup> 1983 Regents of the University of California
	1	Copyright <sup>©</sup> 1995-1999 Kungliga Tekniska Högskolan
		Copyright <sup>©</sup> 1996-2001 Internet Software Consortium
		Copyright <sup>©</sup> 1996-2015, Daniel Stenberg <daniel@haxx.se></daniel@haxx.se>
		Copyright © 2000-2009, EdelWeb for EdelKey and OpenEvidence
		Copyright <sup>©</sup> 2000-2010, Domenico Andreoli <cavok@debian.org></cavok@debian.org>
ı		Copyright <sup>©</sup> 2001, Eric Lavigne
		Copyright © 2001, Solar Designer <solar@openwall.com></solar@openwall.com>
		Copyright © 2003, Simtec Electronics
		Copyright © 2003, The OpenEvidence Project
ı		Copyright © 2004-2015 Daniel Stenberg
		Copyright © 2009, 2011, Markus Moeller, <markus_moeller@compuserve.com></markus_moeller@compuserve.com>
		Copyright <sup>©</sup> 2010, Howard Chu <hyc@highlandsun.com></hyc@highlandsun.com>
		Copyright <sup>©</sup> 2010, Howard Chu <hyc@openidap.org></hyc@openidap.org>
		Copyright <sup>©</sup> 2010, Mandy Wu <mandy.wu@intel.com></mandy.wu@intel.com>
		Copyright <sup>©</sup> 2010-2011, Hoi-Ho Chan <hoiho.chan@gmail.com></hoiho.chan@gmail.com>
		Copyright <sup>©</sup> 2010-2011, Ramakrishnan Muthukrishnan

Package	Version	Copyright
debconf	1.5.71	Copyright © 1999-2010 Joey Hess <joeyh@debian.org></joeyh@debian.org>
		Copyright © 2000 Randolph Chung <tausq@debian.org></tausq@debian.org>
		Copyright © 2000-2010 Joey Hess <joeyh@debian.org></joeyh@debian.org>
		Copyright © 2001-2010 Joey Hess <joeyh@debian.org></joeyh@debian.org>
		Copyright © 2002 Moshe Zadka <m@moshez.org></m@moshez.org>
		Copyright © 2003 Peter Rockai <mornfall@logisys.dyndns.org></mornfall@logisys.dyndns.org>
		Copyright © 2003 Petter Reinholdtsen <per@hungry.com></per@hungry.com>
		Copyright © 2003 Sylvain Ferriol <sylvain.ferriol@imag.fr></sylvain.ferriol@imag.fr>
		Copyright © 2003 Tomohiro KUBOTA <kubota@debian.org></kubota@debian.org>
		Copyright © 2003-2010 Colin Watson <cjwatson@debian.org></cjwatson@debian.org>
		Copyright © 2004-2010 Colin Watson <cjwatson@debian.org></cjwatson@debian.org>
		Copyright © 2005 Canonical Ltd.
		Copyright © 2005 Sylvain Ferriol <sylvain.ferriol@imag.fr></sylvain.ferriol@imag.fr>
		Copyright © 2005-2010 Colin Watson <cjwatson@debian.org></cjwatson@debian.org>
		Copyright © 2005-2010 Joey Hess <joeyh@debian.org></joeyh@debian.org>
		Copyright © 2010 Sune Vuorela <sune@debian.org></sune@debian.org>
		Copyright © 2011 Modestas Vainius <modax@debian.org></modax@debian.org>
		Copyright <sup>©</sup> Eric Gillespie <epg@debian.org></epg@debian.org>
		Copyright <sup>®</sup> Matthew Palmer <mjp16@ieee.uow.edu.au></mjp16@ieee.uow.edu.au>
debian-archive- keyring	2019.1	Copyright © 2006 Michael Vogt <mvo@debian.org></mvo@debian.org>
debianutils	4.8.6.1	Copyright <sup>©</sup> 1988 Landon Curt Noll & Ronald S. Karr
		Copyright © 1992 Ronald S. Karr
diffutils	3.7-3	Copyright <sup>©</sup> 1988-1996, 1998, 2001-2002, 2004, 2006-2007, 2009-2013, 2015-2018 Free Software Foundation, Inc.
		Copyright <sup>©</sup> 1992-1994, 1998, 2001-2002, 2004, 2006, 2009-2018 Free Software Foundation, Inc. <>

Package	Version	Copyright
dpkg	1.19.7	Copyright <sup>©</sup> 1994 Ian Murdock <imurdock@debian.org></imurdock@debian.org>
		Copyright <sup>©</sup> 1994 Matt Welsh <mdw@sunsite.unc.edu></mdw@sunsite.unc.edu>
		Copyright <sup>©</sup> 1994 Carl Streeter <streeter@cae.wisc.edu></streeter@cae.wisc.edu>
		Copyright © 1994-1999, 2008 Ian Jackson <ijackson@chiark.greenend.org.uk></ijackson@chiark.greenend.org.uk>
		Copyright <sup>©</sup> 1995 Bruce Perens <bruce@pixar.com></bruce@pixar.com>
		Copyright © 1995-1996 Erick Branderhorst branderhorst@heel.fgg.eur.nl>
		Copyright <sup>©</sup> 1996 Michael Shields <shields@crosslink.net></shields@crosslink.net>
		Copyright <sup>©</sup> 1996 Klee Dienes <klee@debian.org></klee@debian.org>
		Copyright <sup>©</sup> 1996 Kim-Minh Kaplan <kkaplan@cdfhp3.in2p3.fr></kkaplan@cdfhp3.in2p3.fr>
		Copyright $^{\odot}$ 1996-1998 Miquel van Smoorenburg <miquels@cistron.nl></miquels@cistron.nl>
		Copyright <sup>©</sup> 1997-1998 Charles Briscoe-Smith <cpbs@debian.org></cpbs@debian.org>
		Copyright <sup>©</sup> 1997-1998 Juho Vuori <javuori@cc.helsinki.fi></javuori@cc.helsinki.fi>
		Copyright <sup>©</sup> 1998 Koichi Sekido <sekido@mbox.kyoto-inet.or.jp></sekido@mbox.kyoto-inet.or.jp>
		Copyright <sup>©</sup> 1998 Jim Van Zandt <jrv@vanzandt.mv.com></jrv@vanzandt.mv.com>
		Copyright <sup>©</sup> 1998 Juan Cespedes <cespedes@debian.org></cespedes@debian.org>
		Copyright <sup>©</sup> 1998 Nils Rennebarth <nils@debian.org></nils@debian.org>
		Copyright <sup>©</sup> 1998 Heiko Schlittermann <hs@schlittermann.de></hs@schlittermann.de>
		Copyright <sup>©</sup> 1998-1999, 2001, 2003, 2006 Martin Schulze <joey@infodrom.org></joey@infodrom.org>
		Copyright <sup>©</sup> 1999 Roderick Shertler <roderick@argon.org></roderick@argon.org>
		Copyright <sup>©</sup> 1999 Ben Collins  bcollins@debian.org>
		Copyright <sup>©</sup> 1999 Richard Kettlewell <rjk@sfere.greenend.org.uk></rjk@sfere.greenend.org.uk>
		Copyright <sup>©</sup> 1999-2001 Marcus Brinkmann brinkmd@debian.org>
		Copyright © 1999-2002 Wichert Akkerman <wak-kerma@debian.org></wak-kerma@debian.org>
		Copyright © 2001, 2007, 2010 Joey Hess <joeyh@debian.org></joeyh@debian.org>
		Copyright © 2004-2005, 2007-2008, 2010 Canonical Ltd.
		Copyright © 2004-2005 Scott James Remnant <scott@netsplit.com></scott@netsplit.com>
		Copyright <sup>©</sup> 2006-2008 Frank Lichtenheld <djpig@debian.org></djpig@debian.org>
		Copyright © 2006-2015 Guillem Jover <guillem@debian.org></guillem@debian.org>
		Copyright <sup>©</sup> 1999-2001, 2005-2006, 2007-2012 Raphaël Hertzog <a href="hertzog@debian.org">hertzog@debian.org</a>
		Copyright © 2007 Nicolas François <nicolas.francois@centraliens.net></nicolas.francois@centraliens.net>
		Copyright © 2007 Don Armstrong <don@donarmstrong.com></don@donarmstrong.com>
		Copyright <sup>©</sup> 2007 Colin Watson <cjwatson@debian.org></cjwatson@debian.org>
		Copyright © 2007, 2008 Tollef Fog Heen <tfheen@err.no></tfheen@err.no>
		Copyright © 2008 Zack Weinberg <zackw@panix.com></zackw@panix.com>
		Copyright © 2008 Pierre Habouzit <madcoder@debian.org></madcoder@debian.org>
		Copyright © 2009 Romain Francoise <rfrancoise@debian.org></rfrancoise@debian.org>
		Copyright © 2009-2010 Modestas Vainius <modax@debian.org></modax@debian.org>
		Copyright © 2009-2011 Kees Cook <kees@debian.org></kees@debian.org>

Package	Version	Copyright
		Copyright <sup>©</sup> 1996 Andy Guy <awpguy@acs.ucalgary.ca></awpguy@acs.ucalgary.ca>
		Copyright © 2000 Joey Hess <joeyh@debian.org></joeyh@debian.org>
		Copyright © 2007, 2009-2010, 2012-2015 Guillem Jover <guillem@debian.org></guillem@debian.org>
		Copyright <sup>©</sup> 1999 Marek Michalkiewicz <mar- ekm@i17linuxb.ists.pwr.wroc.pl&gt;</mar- 
		Copyright <sup>©</sup> 1999 Christian Schwarz <schwarz@monet.m.isar.de></schwarz@monet.m.isar.de>
		Copyright <sup>©</sup> 1999 Klee Dienes <klee@debian.org></klee@debian.org>
		Copyright <sup>©</sup> 1999 Ben Collins <bcollins@debian.org></bcollins@debian.org>
		Copyright <sup>©</sup> 1999-2002 Wichert Akkerman <wak-kerma@debian.org></wak-kerma@debian.org>
		Copyright © 2000-2003 Adam Heath <doogie@debian.org></doogie@debian.org>
		Copyright © 2001 Sontri Tomo Huynh <huynh.29@osu.edu></huynh.29@osu.edu>
		Copyright <sup>©</sup> 2001 Andreas Schuldei <andreas@schuldei.org></andreas@schuldei.org>
		Copyright © 2001 Ian Jackson <ijackson@chiark.greenend.org.uk></ijackson@chiark.greenend.org.uk>
		Copyright © 2004-2005 Scott James Remnant <key-buk@debian.org></key-buk@debian.org>
		Copyright © 2006-2014 Guillem Jover <guillem@debian.org></guillem@debian.org>
		Copyright © 2008 Samuel Thibault <samuel.thibault@ens-lyon.org></samuel.thibault@ens-lyon.org>
		Copyright © 2008 Andreas Påhlsson <andreas.pahlsson@xcerion.com></andreas.pahlsson@xcerion.com>
		Copyright © 2009 Chris Coulson <chrisccoulson@googlemail.com></chrisccoulson@googlemail.com>
		Copyright <sup>©</sup> 2012 Carsten Hey <carsten@debian.org></carsten@debian.org>
		Copyright <sup>©</sup> 2014 Nir Soffer <nirs@hyperms.com></nirs@hyperms.com>
		Copyright <sup>©</sup> 1993 Colin Plumb
e2fsprogs	1.44.5-1+deb10u	Copyright © 2003-2007 Theodore Ts'o <tytso@mit.edu></tytso@mit.edu>
	3	Copyright <sup>©</sup> 1997-2003 Yann Dirson <dirson@debian.org></dirson@debian.org>
		Copyright © 2001 Alcove <a href="http://www.alcove.com/">http://www.alcove.com/&gt;</a>
		Copyright © 1997 Klee Dienes
		Copyright © 1995-1996 Michael Nonweiler <mrn20@cam.ac.uk></mrn20@cam.ac.uk>
		Copyright <sup>©</sup> 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008 by Theodore Ts'o
		Copyright <sup>©</sup> 1987 by the Student Information Processing Board of the Massachusetts Institute of Technology

Package	Version	Copyright
fdisk	2.33.1-0.1	Copyright <sup>©</sup> 1980, 1987, 1988 The Regents of the University of California.
		Copyright <sup>©</sup> 1986 Gary S. Brown
		Copyright © 1987 Regents of the University of California
		Copyright © 1990 Gordon Irlam <gordoni@cs.ua.oz.au></gordoni@cs.ua.oz.au>
		Copyright © 1991, 1992 Linus Torvalds
		Copyright © 1991-2004 Miquel van Smoorenburg
		Copyright <sup>©</sup> 1992 A. V. Le Blanc <leblanc@mcc.ac.uk></leblanc@mcc.ac.uk>
		Copyright <sup>©</sup> 1992-1997 Michael K. Johnson, johnsonm@redhat.com
		Copyright © 1994 Kevin E. Martin <martin@cs.unc.edu></martin@cs.unc.edu>
		Copyright © 1994 Martin Schulze <joey@infodrom.north.de></joey@infodrom.north.de>
		Copyright © 1994 Salvatore Valente <svalente@mit.edu></svalente@mit.edu>
		Copyright © 1994,1996 Alessandro Rubini <rubini@ipvvis.unipv.it></rubini@ipvvis.unipv.it>
		Copyright © 1994-2005 Jeff Tranter <tranter@pobox.com></tranter@pobox.com>
		Copyright © 1995, 1999, 2000 Andries E. Brouwer <aeb@cwi.nl></aeb@cwi.nl>
		Copyright <sup>©</sup> 1996, 1997, 1998, 1999, 2007 Theodore Ts'o.
		Copyright © 1996, 2003 Rickard E. Faith <faith@acm.org></faith@acm.org>
		Copyright <sup>©</sup> 1997-2005 Frodo Looijaard <frodo@frodo.looijaard.name></frodo@frodo.looijaard.name>
		Copyright © 1998 Danek Duvall <duvall@alumni.princeton.edu></duvall@alumni.princeton.edu>
		Copyright © 1999 Andreas Dilger
		Copyright © 1999 Andreas Dilger <adilger@enel.ucalgary.ca></adilger@enel.ucalgary.ca>
		Copyright <sup>©</sup> 1999, 2000, 2002-2009, 2010, 2011, 2012, 2014 Red Hat, Inc.
		Copyright © 1999, 2000, Red Hat Software
		Copyright © 1999, 2001 Andries Brouwer
		Copyright © 1999-2002 Transmeta Corporation
		Copyright © 1999-2008 by Theodore Ts'o
		Copyright © 2000 Werner Almesberger
		Copyright © 2000-2001 Gunnar Ritter
		Copyright © 2001 Andreas Dilger
		Copyright © 2003, 2004, 2005 Thorsten Kukuk
		Copyright © 2003, 2004, 2005, 2008 Theodore Ts'o <tytso@mit.edu></tytso@mit.edu>
		Copyright © 2003-2005 H. Peter Anvin
		Copyright © 2004 Robert Love <rml@tech9.net></rml@tech9.net>
		Copyright © 2004-2006 Michael Holzt, kju -at- fqdn.org
		Copyright © 2005 Adrian Bunk
		Copyright © 2005 Jens Axboe <jens@axboe.dk></jens@axboe.dk>
		Copyright © 2007, 2011 SuSE LINUX Products GmbH
		Copyright © 2007-2013 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2007-2014 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2008 Cai Qian <qcai@redhat.com></qcai@redhat.com>
		Copyright © 2008 Hayden A. James <hayden.james@gmail.com></hayden.james@gmail.com>

Package	Version	Copyright
		Copyright © 2008 James Youngman <jay@gnu.org></jay@gnu.org>
		Copyright © 2008 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright <sup>©</sup> 2008 Roy Peled, the.roy.peled -at- gmail.com
		Copyright <sup>©</sup> 2008-2009, 2010, 2011, 2012 Karel Zak <kzak@red-hat.com></kzak@red-hat.com>
		Copyright © 2008-2012 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2009 Mikhail Gusarov <dottedmag@dottedmag.net></dottedmag@dottedmag.net>
		Copyright © 2009-2014 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2010 Hajime Taira <htaira@redhat.com></htaira@redhat.com>
		Copyright © 2010 Jason Borden <jborden@bluehost.com>A</jborden@bluehost.com>
		Copyright © 2010 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright <sup>©</sup> 2010 Lennart Poettering
		Copyright © 2010 Masatake Yamato <yamato@redhat.com></yamato@redhat.com>
		Copyright © 2010, 2011 Davidlohr Bueso <dave@gnu.org></dave@gnu.org>
		Copyright © 2010, 2011, 2012 Davidlohr Bueso <dave@gnu.org></dave@gnu.org>
		Copyright © 2010-2013 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2011 IBM Corp.
		Copyright © 2011 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2012 Andy Lutomirski <luto@amacapital.net></luto@amacapital.net>
		Copyright © 2012 Cody Maloney <cmaloney@theoretical-chaos.com></cmaloney@theoretical-chaos.com>
		Copyright © 2012 Davidlohr Bueso <dave@gnu.org></dave@gnu.org>
		Copyright © 2012 Lennart Poettering
		Copyright © 2012 Ondrej Oprala <ooprala@redhat.com></ooprala@redhat.com>
		Copyright © 2012 Sami Kerola <kerolasa@iki.fi></kerolasa@iki.fi>
		Copyright © 2012 Werner Fink <werner@suse.de></werner@suse.de>
		Copyright © 2012-2013 Eric Biederman <ebiederm@xmission.com></ebiederm@xmission.com>
		Copyright © 2012-2014 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright <sup>©</sup> 2013, Red Hat, Inc.
		Copyright © 2013,2014 Ondrej Oprala <ooprala@redhat.com></ooprala@redhat.com>
		Copyright © 2014 Ondrej Oprala <ooprala@redhat.com></ooprala@redhat.com>
		Copyright <sup>©</sup> Guy Maor <maor@debian.org></maor@debian.org>
		Copyright <sup>©</sup> Michal Luscon <mluscon@redhat.com></mluscon@redhat.com>
		Copyright <sup>©</sup> n/a
findutils	4.6.0+git +20190209-2	Copyright <sup>©</sup> 1990-2019 Free Software Foundation, Inc.

Package	Version	Copyright
gcc-8-base	8.3.0-6	Copyright <sup>©</sup> 1986-2014 Free Software Foundation, Inc.
		Copyright © 2009-2014 by the LLVM contributors
		Copyright <sup>©</sup> 1996-2003 Red Hat, Inc.
		Copyright © 1984, 1991, 2001 by Stephen L. Moshier <moshier@na-net.ornl.gov></moshier@na-net.ornl.gov>
		Copyright <sup>©</sup> 1993 by Sun Microsystems, Inc.
		Copyright © 2009 The Go Authors
		Copyright © 2009-2014, Intel Corporation
		Copyright © 2004-2007 David Friedman
		Copyright <sup>©</sup> 1999-2010 by Digital Mars
		Copyright <sup>©</sup> 1995-2004 Jean-loup Gailly and Mark Adler
		Copyright © 2004-2005 by Digital Mars, www.digitalmars.com
		Copyright <sup>©</sup> 1981, 1982, 1983, 1986, 1988, 1989, 1991, 1992, 1993, 1994, 1990 The Regents of the University of California
		Copyright <sup>©</sup> 1991 by AT&T
		Copyright <sup>©</sup> 1989, 1990 Advanced Micro Devices, Inc.
		Copyright <sup>©</sup> 1993 C.W. Sandmann
		Copyright <sup>©</sup> 1992 Eric Backus
		Copyright © 1986 HEWLETT-PACKARD COMPANY
		Copyright © 2001 Hans-Peter Nilsson <>
		Copyright $^{\circledcirc}$ 1999, 2000, 2001, 2002 Stephane Carrez (stcarrez@nerim.fr)
		Copyright <sup>©</sup> 2001 Christopher G. Demetriou
		Copyright © 2002 SuperH, Inc.
		Copyright <sup>©</sup> 1999 Kungliga Tekniska Hgskolan
		Copyright <sup>©</sup> 2000, 2001 Alexey Zelkin <phantom@freebsd.org></phantom@freebsd.org>
		Copyright <sup>©</sup> 1997 by Andrey A. Chernov, Moscow, Russia
		Copyright <sup>©</sup> 1997-2002 FreeBSD Project
		Copyright <sup>©</sup> 1984,2000 S.L. Moshier
		Copyright <sup>©</sup> 1999 Citrus Project
		Copyright <sup>©</sup> 1998 Todd C. Miller <todd.miller@courtesan.com></todd.miller@courtesan.com>
		Copyright <sup>©</sup> 1991 DJ Delorie
		Copyright <sup>©</sup> 1996 Xavier Leroy (Xavier.Leroy@inria.fr)
		Copyright <sup>©</sup> 1993 Intel Corporation
		Copyright © 1986 HEWLETT-PACKARD COMPANY
		Copyright © 1992, 1993, 1994 Henry Spencer
		Copyright © 2001 Mike Barcroft <mike@freebsd.org></mike@freebsd.org>
		Copyright © 1999, 2000 Konstantin Chuguev <>
		Copyright © 2003, Artem B. Bityuckiy, SoftMine Corporation
		Copyright $^{\circledcirc}$ 1994, 1997, 2001, 2002, 2003, 2004 Red Hat Incorporated

Package	Version	Copyright
gpgv	2.2.12-1+deb10u	Copyright © 1997, 1998, 2013 Werner Koch
	1	Copyright © 1998 The Internet Society
		Copyright <sup>©</sup> 1998-2018 Debian GnuPG packagers, including
		Copyright © 1999-2000, Werner Koch, Duesseldorf
		Copyright © 2000, Dimitrios Souflis
		Copyright © 2003, g10 Code GmbH
		Copyright © 2003-2004, g10 Code GmbH
		Copyright © 2004, 2005, g10 Code GmbH
		Copyright © 2007, g10 Code GmbH
		Copyright © 2008-2010, 2012-2016 William Ahern
		Copyright <sup>©</sup> 2013, Werner Koch
		Copyright <sup>©</sup> 2016, Justus Winter, Werner Koch
		Copyright <sup>©</sup> 2017 Daniel Kahn Gillmor <dkg@fifthhorseman.net></dkg@fifthhorseman.net>
grep	3.3-1	Copyright <sup>©</sup> 1996-2000 Wichert Akkerman <wak- kerma@debian.org&gt;</wak- 
		Copyright © 2001 Robert van der Meulen <rvdm@debian.org></rvdm@debian.org>
		Copyright © 2003, Clint Adams <schizo@debian.org> Mon, 10 Mar 2003 02:10:32 -0500</schizo@debian.org>
		Copyright © 2003, Jeff Bailey <jbailey@nisa.net></jbailey@nisa.net>
		Copyright © 2003-2004 Ryan M. Golbeck <rmgolbeck@debian.org></rmgolbeck@debian.org>
		Copyright © 2004, Stepan Kasal <kasal@ucw.cz></kasal@ucw.cz>
		Copyright <sup>©</sup> 2005-2013 Anibal Monsalve Salazar <ani- bal@debian.org&gt; and Santiago Ruano Rincón <san- tiago@debian.org&gt;</san- </ani- 
		Copyright © 2007, Tony Abou-Assaleh <taa@acm.org></taa@acm.org>
		Copyright © 2009-2012, Jim Meyering <jim@meyering.net> and Paolo Bonzini <box> <pre> </pre></box></jim@meyering.net>
gzip	1.9-3	Copyright © 1999, 2001-2002, 2006-2007, 2009-2010 Free Software Foundation, Inc.
		Copyright <sup>©</sup> 1992-1993 Jean-loup Gailly
hostname	3.21	Copyright © 2009 Michael Meskes <meskes@debian.org>&gt;</meskes@debian.org>
		Copyright © 2004-2005 Graham Wilson <graham@debian.org></graham@debian.org>
		Copyright © 1997 Bernd Eckenfels
		Copyright © 1997 Peter Tobias <tobias@et-inf.fho-emden.de></tobias@et-inf.fho-emden.de>
		Copyright © 1996 Free Software Foundation, Inc.
init-system-help- ers	1.56+nmu1	Copyright ® 1997-2005 Miquel van Smoorenburg <miquels@cistron.nl></miquels@cistron.nl>
- <del>-</del>		Copyright © 2000,2001 Henrique de Moraes Holschuh <a href="mailto:hmh@debian.org">hmh@debian.org</a>
		Copyright © 2006 Red Hat, Inc
		Copyright © 2008 Canonical Ltd
		Copyright © 2013 Michael Stapelberg
		Copyright © 2013 Michael Stapelberg <stapelberg@debian.org></stapelberg@debian.org>
		1,7,0,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,

Package	Version	Copyright
libacl1	2.2.53-4	Copyright © 2000-2008 Silicon Graphics, Inc.
		Copyright <sup>©</sup> 1999-2003,2007-2009, 2011 Andreas Gruenbacher
libapparmor1	2.13.2-10	Copyright © 1998-2010 Novell/SuSE/Immunix
		Copyright <sup>©</sup> 1999-2008 Novell
		Copyright <sup>©</sup> 2002, 2003, 2004 SuSE GmbH Nuernberg, Germany
		Copyright © 2002-2005 Novell/SUSE
		Copyright © 2002-2006 Novell/SUSE
		Copyright © 2002-2006 Novell/SuSE
		Copyright © 2004-2006 Novell
		Copyright <sup>©</sup> 2006 Christian Boltz
		Copyright © 2006 SUSE Linux Products GmbH, Nuemberg, Germany
		Copyright © 2006 Volker Kuhlmann
		Copyright © 2006-2009 Novell/SUSE
		Copyright <sup>©</sup> 2007-2011 Canonical Ltd.
		Copyright © 2008-2014 Canonical Ltd.
		Copyright © 2009 Dulmandakh Sukhbaatar <dulman-dakh@gmail.com></dulman-dakh@gmail.com>
		Copyright © 2009 John Dong <jdong@ubuntu.com></jdong@ubuntu.com>
		Copyright © 2009-2010 Canonical Ltd.
		Copyright © 2009-2011 Canonical Ltd.
		Copyright © 2009-2013 Canonical Ltd.
		Copyright © 2009-2014 Canonical Ltd.
		Copyright <sup>©</sup> 2010 Canonical Ltd.
		Copyright <sup>©</sup> 2011-2013 Christian Boltz
		Copyright <sup>©</sup> 2013 Christian Boltz
		Copyright <sup>©</sup> 2014 Canonical Ltd.
		Copyright <sup>©</sup> 2014 Christian Wittmer
libapt-pkg5.0	1.8.2.1	Copyright <sup>©</sup> 1997, 1998, 1999 Jason Gunthorpe and others
libattr1	2.4.48-4	Copyright © 2000-2007 Silicon Graphics, Inc.
		Copyright © 2001-2003,2006-2007,2009 Andreas Gruenbacher
libaudit-common	2.8.4-3	Copyright © 2005-2008 Steve Grubb <sgrubb@redhat.com></sgrubb@redhat.com>
		Copyright <sup>©</sup> 2006-2012 Rik Faith
		Copyright © 2007-2009 Marc Alexamder Lehmann
		Copyright © 2007-2011 Philipp Matthias Hahn <pmhahn@debian.org></pmhahn@debian.org>
		Copyright © 2012-2016 Laurent Bigonville <bigon@debian.org></bigon@debian.org>
		Copyright © 2012-2016 Steve Grubb <sgrubb@redhat.com></sgrubb@redhat.com>

Package	Version	Copyright
libaudit1	2.8.4-3	Copyright © 2005-2008 Steve Grubb <sgrubb@redhat.com></sgrubb@redhat.com>
		Copyright © 2006-2012 Rik Faith
		Copyright © 2007-2009 Marc Alexamder Lehmann
		Copyright © 2007-2011 Philipp Matthias Hahn <pre><pre><pre><pre><pre><pre><pre>pmhahn@debian.org&gt;</pre></pre></pre></pre></pre></pre></pre>
		Copyright © 2012-2016 Laurent Bigonville sigon@debian.org>
		Copyright © 2012-2016 Steve Grubb <sgrubb@redhat.com></sgrubb@redhat.com>
libavahi-client3	0.7-4+b1	Copyright <sup>©</sup> Sandino Flores Moreno
		Copyright <sup>©</sup> Steven G. Johnson <stevenj@alum.mit.edu></stevenj@alum.mit.edu>
		Copyright © 2004 Oren Ben-Kiki
		Copyright © 2003, 2004 Porchdog Software
		Copyright © 2003-2004, Apple Computer, Inc.
libavahi-com- mon-data	0.7-4+b1	Copyright <sup>©</sup> Sandino Flores Moreno
		Copyright <sup>©</sup> Steven G. Johnson <stevenj@alum.mit.edu></stevenj@alum.mit.edu>
		Copyright © 2004 Oren Ben-Kiki
		Copyright © 2003, 2004 Porchdog Software
		Copyright © 2003-2004, Apple Computer, Inc.
libavahi-com-	0.7-4+b1	Copyright <sup>©</sup> Sandino Flores Moreno
mon3		Copyright <sup>©</sup> Steven G. Johnson <stevenj@alum.mit.edu></stevenj@alum.mit.edu>
		Copyright <sup>©</sup> 2004 Oren Ben-Kiki
		Copyright © 2003, 2004 Porchdog Software
		Copyright © 2003-2004, Apple Computer, Inc.

Package	Version	Copyright
libblkid1	2.33.1-0.1	Copyright © *unknown*
		Copyright © 1980, 1987, 1988 The Regents of the University of Cal fornia.
		Copyright © 1986 Gary S. Brown
		Copyright © 1987 Regents of the University of California
		Copyright © 1990 Gordon Irlam <gordoni@cs.ua.oz.au></gordoni@cs.ua.oz.au>
		Copyright © 1991, 1992 Linus Torvalds
		Copyright <sup>©</sup> 1991-2004 Miquel van Smoorenburg
		Copyright © 1992 A. V. Le Blanc <leblanc@mcc.ac.uk></leblanc@mcc.ac.uk>
		Copyright © 1992-1997 Michael K. Johnson, johnsonm@redhat.com
		Copyright © 1994 Kevin E. Martin <martin@cs.unc.edu></martin@cs.unc.edu>
		Copyright <sup>©</sup> 1994 Martin Schulze <joey@infodrom.north.de></joey@infodrom.north.de>
		Copyright © 1994 Salvatore Valente <svalente@mit.edu></svalente@mit.edu>
		Copyright © 1994,1996 Alessandro Rubini <rubini@ipvvis.unipv.it></rubini@ipvvis.unipv.it>
		Copyright © 1994-2005 Jeff Tranter <tranter@pobox.com></tranter@pobox.com>
		Copyright © 1995, 1999, 2000 Andries E. Brouwer <aeb@cwi.nl></aeb@cwi.nl>
		Copyright <sup>©</sup> 1996, 1997, 1998, 1999, 2007 Theodore Ts'o.
		Copyright ® 1996, 2003 Rickard E. Faith <faith@acm.org></faith@acm.org>
		Copyright <sup>©</sup> 1997-2005 Frodo Looijaard <frodo@frodo.looijaard.name></frodo@frodo.looijaard.name>
		Copyright © 1998 Danek Duvall <duvall@alumni.princeton.edu></duvall@alumni.princeton.edu>
		Copyright <sup>©</sup> 1999 Andreas Dilger
		Copyright © 1999 Andreas Dilger <adilger@enel.ucalgary.ca></adilger@enel.ucalgary.ca>
		Copyright <sup>©</sup> 1999, 2000, 2002-2009, 2010, 2011, 2012, 2014 Red Hat, Inc.
		Copyright <sup>©</sup> 1999, 2000, Red Hat Software
		Copyright © 1999, 2001 Andries Brouwer
		Copyright © 1999-2002 Transmeta Corporation
		Copyright © 1999-2008 by Theodore Ts'o
		Copyright © 2000 Werner Almesberger
		Copyright © 2000-2001 Gunnar Ritter
		Copyright © 2001 Andreas Dilger
		Copyright © 2003, 2004, 2005 Thorsten Kukuk
		Copyright <sup>©</sup> 2003, 2004, 2005, 2008 Theodore Ts'o <tytso@mit.edu></tytso@mit.edu>
		Copyright © 2003-2005 H. Peter Anvin
		Copyright © 2004 Robert Love <rml@tech9.net></rml@tech9.net>
		Copyright <sup>©</sup> 2004-2006 Michael Holzt, kju -at- fqdn.org
		Copyright <sup>©</sup> 2005 Adrian Bunk
		Copyright © 2005 Jens Axboe <jens@axboe.dk></jens@axboe.dk>
		Copyright © 2007, 2011 SuSE LINUX Products GmbH
		Copyright © 2007-2013 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2007-2014 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2008 Cai Qian <qcai@redhat.com></qcai@redhat.com>

Package	Version	Copyright
		Copyright © 2008 Hayden A. James <hayden.james@gmail.com></hayden.james@gmail.com>
		Copyright © 2008 James Youngman <jay@gnu.org></jay@gnu.org>
		Copyright <sup>©</sup> 2008 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2008 Roy Peled, the.roy.peled -at- gmail.com
		Copyright © 2008-2009, 2010, 2011, 2012 Karel Zak <kzak@red-hat.com></kzak@red-hat.com>
		Copyright <sup>©</sup> 2008-2012 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2009 Mikhail Gusarov <dottedmag@dottedmag.net></dottedmag@dottedmag.net>
		Copyright © 2009-2014 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2010 Hajime Taira <htaira@redhat.com></htaira@redhat.com>
		Copyright © 2010 Jason Borden <jborden@bluehost.com>A</jborden@bluehost.com>
		Copyright <sup>©</sup> 2010 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2010 Lennart Poettering
		Copyright © 2010 Masatake Yamato <yamato@redhat.com></yamato@redhat.com>
		Copyright © 2010, 2011 Davidlohr Bueso <dave@gnu.org></dave@gnu.org>
		Copyright © 2010, 2011, 2012 Davidlohr Bueso <dave@gnu.org></dave@gnu.org>
		Copyright © 2010-2013 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2011 IBM Corp.
		Copyright <sup>©</sup> 2011 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2012 Andy Lutomirski <luto@amacapital.net></luto@amacapital.net>
		Copyright © 2012 Cody Maloney <cmaloney@theoretical-chaos.com></cmaloney@theoretical-chaos.com>
		Copyright © 2012 Davidlohr Bueso <dave@gnu.org></dave@gnu.org>
		Copyright © 2012 Lennart Poettering
		Copyright © 2012 Ondrej Oprala <ooprala@redhat.com></ooprala@redhat.com>
		Copyright <sup>©</sup> 2012 Sami Kerola <kerolasa@iki.fi></kerolasa@iki.fi>
		Copyright © 2012 Werner Fink <werner@suse.de></werner@suse.de>
		Copyright © 2012-2013 Eric Biederman <ebiederm@xmission.com></ebiederm@xmission.com>
		Copyright © 2012-2014 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2013, Red Hat, Inc.
		Copyright © 2013,2014 Ondrej Oprala <ooprala@redhat.com></ooprala@redhat.com>
		Copyright © 2014 Ondrej Oprala <ooprala@redhat.com></ooprala@redhat.com>
		Copyright © Guy Maor <maor@debian.org></maor@debian.org>
		Copyright © Michal Luscon <mluscon@redhat.com></mluscon@redhat.com>
		Copyright <sup>©</sup> n/a

Package	Version	Copyright
libbz2-1.0	1.0.6-9.2~deb10	Copyright © 1996-2010 Julian R Seward <jseward@bzip.org></jseward@bzip.org>
	u1	Copyright <sup>©</sup> 1997-1999 Anthony Fok <foka@debian.org></foka@debian.org>
		Copyright © 1999-2002 Philippe Troin <phil@fifi.org></phil@fifi.org>
		Copyright © 2004-2011 Anibal Monsalve Salazar <anibal@debian.org></anibal@debian.org>
		Copyright © 2012-2015 Santiago Ruano Rincón <santiago@debian.org></santiago@debian.org>
		Copyright © 2014 Canonical Ltd.
		Copyright © 2018 Nicolas Boulenguez <nicolas.boulenguez@free.fr></nicolas.boulenguez@free.fr>
libc-bin	2.28-10	Copyright <sup>©</sup> 1991-2015 Free Software Foundation, Inc.
		Copyright <sup>©</sup> 1991 Regents of the University of California
		Copyright <sup>©</sup> 1993 by Digital Equipment Corporation
		Copyright <sup>©</sup> 1996-1999 by Internet Software Consortium
		Copyright <sup>©</sup> 2010, Oracle America, Inc.
		Copyright <sup>©</sup> 1991,1990,1989 Carnegie Mellon University
		Copyright © 2000, Intel Corporation
		Copyright <sup>©</sup> Craig Metz
		Copyright <sup>©</sup> 1992 Eric Young
		Copyright © 2002, 2003, 2004, 2011 Simon Josefsson
		Copyright © 1999, 2000 Tom Tromey
		Copyright © 2000 Red Hat, Inc.
		Copyright <sup>©</sup> The Internet Society (2003)
		Copyright © 1998 WIDE Project
		Copyright © 1995 by Tom Lord
		Copyright <sup>©</sup> 1992, 1993, 1994, 1997 Henry Spencer
		Copyright <sup>©</sup> 1997-2003 University of Cambridge
		Copyright © 1993 by Sun Microsystems, Inc.
		Copyright © C E Chew
		Copyright © 2001 by Stephen L. Moshier <moshier@na-net.ornl.gov></moshier@na-net.ornl.gov>
		Copyright © <>

Package	Version	Copyright
libc6	2.28-10	Copyright <sup>©</sup> 1991-2015 Free Software Foundation, Inc.
		Copyright <sup>©</sup> 1991 Regents of the University of California
		Copyright <sup>©</sup> 1993 by Digital Equipment Corporation
		Copyright <sup>©</sup> 1996-1999 by Internet Software Consortium
		Copyright <sup>©</sup> 2010, Oracle America, Inc.
		Copyright <sup>©</sup> 1991,1990,1989 Carnegie Mellon University
		Copyright © 2000, Intel Corporation
		Copyright <sup>©</sup> Craig Metz
		Copyright <sup>©</sup> 1992 Eric Young
		Copyright <sup>©</sup> 2002, 2003, 2004, 2011 Simon Josefsson
		Copyright <sup>©</sup> 1999, 2000 Tom Tromey
		Copyright <sup>©</sup> 2000 Red Hat, Inc.
		Copyright <sup>©</sup> The Internet Society (2003)
		Copyright <sup>©</sup> 1998 WIDE Project
		Copyright <sup>©</sup> 1995 by Tom Lord
		Copyright <sup>©</sup> 1992, 1993, 1994, 1997 Henry Spencer
		Copyright <sup>©</sup> 1997-2003 University of Cambridge
		Copyright <sup>©</sup> 1993 by Sun Microsystems, Inc.
		Copyright © C E Chew
		Copyright © 2001 by Stephen L. Moshier <moshier@na-net.ornl.gov></moshier@na-net.ornl.gov>
libc6	2.23	Copyright (C) 1991-2015 Free Software Foundation, Inc.
libcap-ng0	0.7.9-2	Copyright © 2009 Red Hat Inc.
		Copyright <sup>©</sup> 2009 Pierre Chifflier <pollux@debian.org></pollux@debian.org>
libcom-err2	1.44.5-1+deb10u 3	Copyright <sup>©</sup> 1987, 1988 by the Student Information Processing Board of the Massachusetts Institute of Technology

Package	Version	Copyright
libcurl4	7.64.0-4+deb10u	Copyright © 1983 Regents of the University of California
	1	Copyright <sup>©</sup> 1995-1999 Kungliga Tekniska Högskolan
		Copyright <sup>©</sup> 1996-2001 Internet Software Consortium
		Copyright © 1996-2015, Daniel Stenberg <daniel@haxx.se></daniel@haxx.se>
		Copyright © 2000-2009, EdelWeb for EdelKey and OpenEvidence
		Copyright © 2000-2010, Domenico Andreoli <cavok@debian.org></cavok@debian.org>
		Copyright © 2001, Eric Lavigne
		Copyright © 2001, Solar Designer <solar@openwall.com></solar@openwall.com>
		Copyright © 2003, Simtec Electronics
		Copyright © 2003, The OpenEvidence Project
		Copyright <sup>©</sup> 2004-2015 Daniel Stenberg
		Copyright © 2009, 2011, Markus Moeller, <markus_moeller@compuserve.com></markus_moeller@compuserve.com>
		Copyright <sup>©</sup> 2010, Howard Chu <hyc@highlandsun.com></hyc@highlandsun.com>
		Copyright <sup>©</sup> 2010, Howard Chu <hyc@openidap.org></hyc@openidap.org>
		Copyright <sup>©</sup> 2010, Mandy Wu <mandy.wu@intel.com></mandy.wu@intel.com>
		Copyright <sup>©</sup> 2010-2011, Hoi-Ho Chan <hoiho.chan@gmail.com></hoiho.chan@gmail.com>
		Copyright <sup>©</sup> 2010-2011, Ramakrishnan Muthukrishnan <rkrishnan@debian.org></rkrishnan@debian.org>
		Copyright <sup>©</sup> 2011, Alessandro Ghedini <ghedo@debian.org></ghedo@debian.org>
		Copyright <sup>©</sup> 2011, Jim Hollinger
		Copyright © 2011-2013, Daniel Stenberg <daniel@haxx.se></daniel@haxx.se>
		Copyright © 2011-2015, Daniel Stenberg <daniel@haxx.se></daniel@haxx.se>
		Copyright <sup>©</sup> 2012, Mark Salisbury <mark.salisbury@hp.com></mark.salisbury@hp.com>
		Copyright © 2012-2014, Marc Hoersken <info@marc-hoersken.de></info@marc-hoersken.de>
		Copyright <sup>©</sup> 2012-2014, Nick Zitzmann <nickzman@gmail.com></nickzman@gmail.com>
		Copyright © 2012-2015, Daniel Stenberg <daniel@haxx.se></daniel@haxx.se>
		Copyright <sup>©</sup> 2012-2015, Daniel Stenberg, <daniel@haxx.se></daniel@haxx.se>
libdb5.3	5.3.28+dfsg1-0.5	Copyright <sup>©</sup> 1990, 2010 Oracle and/or its affiliates
		Copyright <sup>©</sup> 1990, 1993, 1994, 1995 The Regents of the University of California
		Copyright © 1995, 1996 The President and Fellows of Harvard University
		Copyright © 2000-2005 INRIA, France Telecom

Package	Version	Copyright
libdbus-1-3	1.12.20-0+deb10	Copyright © 1991-1993 The Regents of the University of California
	u1	Copyright © 2005 g10 Code GmbH
		Copyright © 1994 A.M. Kuchling
		Copyright © 2002-2008 Red Hat, Inc
		Copyright © 2002-2003 CodeFactory AB
		Copyright <sup>©</sup> 2002 Michael Meeks
		Copyright © 2004 Imendio HB
		Copyright © 2005 Lennart Poettering
		Copyright © 2005 Novell, Inc
		Copyright © 2005 David A. Wheeler
		Copyright <sup>©</sup> 2006-2013 Ralf Habacker
		Copyright © 2006 Mandriva
		Copyright © 2006 Peter Kümmel
		Copyright © 2006 Christian Ehrlicher
		Copyright <sup>©</sup> 2006 Thiago Macieira
		Copyright © 2008 Colin Walters
		Copyright © 2009 Klaralvdalens Datakonsult AB, a KDAB Group company
		Copyright © 2011-2012 Nokia Corporation
		Copyright © 2012-2018 Collabora Ltd.
		Copyright © 2013 Intel Corporation
		Copyright © 2017 Laurent Bigonville
		Copyright © 2018 KPIT Technologies Ltd.
		Copyright © 2018 Manish Narang
		Copyright © 2002 Michael Meeks
		Copyright © 2003-2006 Red Hat, Inc.
		Copyright © 2003 Philip Blundell
		Copyright © 2011 Nokia Corporation
		Copyright © 2014-2017 Collabora Ltd.
		Copyright © 2007 Tanner Lovelace
		Copyright © 2008-2009 Benjamin Reed
		Copyright © 2008 Colin Walters
		Copyright <sup>©</sup> 2009 Jonas Bähr
		Copyright © 2008-2012 Nokia Corporation
		Copyright © 2008-2018 Collabora Ltd
		Copyright © 2013 Intel Corporation
		Copyright © 2017 Shin-ichi MORITA
		Copyright © 1991-1993 The Regents of the University of California
		Copyright © 2008 Laurent Montel
		Copyright © 2011 Raphael Kubo da Costa
		Copyright © 2013 Ralf Habacker
		Copyright © 1991-1993 The Regents of the University of California
		Copyright <sup>©</sup> 1994 Sun Microsystems, Inc

Package	Version	Copyright
		Copyright <sup>©</sup> Red Hat, Inc.
libdebconfclient0	0.249	Copyright <sup>©</sup> Joey Hess <joeyh@debian.org></joeyh@debian.org>
		Copyright <sup>©</sup> Jason Gunthorpe <jgg@debian.org></jgg@debian.org>
		Copyright <sup>©</sup> 2000-2009 by Randolph Chung <tausq@debian.org></tausq@debian.org>
libexpat1	2.2.6-2+deb10u1	Copyright <sup>©</sup> Expat maintainers
libext2fs2	1.44.5-1+deb10u	Copyright © 2003-2007 Theodore Ts'o <tytso@mit.edu></tytso@mit.edu>
	3	Copyright <sup>©</sup> 1997-2003 Yann Dirson <dirson@debian.org></dirson@debian.org>
		Copyright © 2001 Alcove <a href="http://www.alcove.com/">http://www.alcove.com/&gt;</a>
		Copyright <sup>©</sup> 1997 Klee Dienes
		Copyright <sup>©</sup> 1995-1996 Michael Nonweiler <mrn20@cam.ac.uk></mrn20@cam.ac.uk>
		Copyright <sup>©</sup> 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008 by Theodore Ts'o
		Copyright <sup>©</sup> 1987 by the Student Information Processing Board of the Massachusetts Institute of Technology

Package	Version	Copyright
libfdisk1	2.33.1-0.1	Copyright <sup>©</sup> *unknown*
		Copyright <sup>©</sup> 1980, 1987, 1988 The Regents of the University of Calfornia.
		Copyright © 1986 Gary S. Brown
		Copyright © 1987 Regents of the University of California
		Copyright © 1990 Gordon Irlam <gordoni@cs.ua.oz.au></gordoni@cs.ua.oz.au>
		Copyright © 1991, 1992 Linus Torvalds
		Copyright <sup>©</sup> 1991-2004 Miquel van Smoorenburg
		Copyright <sup>©</sup> 1992 A. V. Le Blanc <leblanc@mcc.ac.uk></leblanc@mcc.ac.uk>
		Copyright <sup>©</sup> 1992-1997 Michael K. Johnson, johnsonm@redhat.co
		Copyright <sup>©</sup> 1994 Kevin E. Martin <martin@cs.unc.edu></martin@cs.unc.edu>
		Copyright <sup>©</sup> 1994 Martin Schulze <joey@infodrom.north.de></joey@infodrom.north.de>
		Copyright © 1994 Salvatore Valente <svalente@mit.edu></svalente@mit.edu>
		Copyright © 1994,1996 Alessandro Rubini <rubini@ipvvis.unipv.it></rubini@ipvvis.unipv.it>
		Copyright © 1994-2005 Jeff Tranter <tranter@pobox.com></tranter@pobox.com>
		Copyright © 1995, 1999, 2000 Andries E. Brouwer <aeb@cwi.nl></aeb@cwi.nl>
		Copyright <sup>©</sup> 1996, 1997, 1998, 1999, 2007 Theodore Ts'o.
		Copyright <sup>©</sup> 1996, 2003 Rickard E. Faith <faith@acm.org></faith@acm.org>
		Copyright <sup>©</sup> 1997-2005 Frodo Looijaard <frodo@frodo.looijaard.name></frodo@frodo.looijaard.name>
		Copyright © 1998 Danek Duvall <duvall@alumni.princeton.edu></duvall@alumni.princeton.edu>
		Copyright © 1999 Andreas Dilger
		Copyright © 1999 Andreas Dilger <adilger@enel.ucalgary.ca></adilger@enel.ucalgary.ca>
		Copyright <sup>©</sup> 1999, 2000, 2002-2009, 2010, 2011, 2012, 2014 Red Hat, Inc.
		Copyright <sup>©</sup> 1999, 2000, Red Hat Software
		Copyright © 1999, 2001 Andries Brouwer
		Copyright © 1999-2002 Transmeta Corporation
		Copyright © 1999-2008 by Theodore Ts'o
		Copyright © 2000 Werner Almesberger
		Copyright © 2000-2001 Gunnar Ritter
		Copyright © 2001 Andreas Dilger
		Copyright <sup>©</sup> 2003, 2004, 2005 Thorsten Kukuk
		Copyright © 2003, 2004, 2005, 2008 Theodore Ts'o <tytso@mit.edu></tytso@mit.edu>
		Copyright © 2003-2005 H. Peter Anvin
		Copyright © 2004 Robert Love <rml@tech9.net></rml@tech9.net>
		Copyright © 2004-2006 Michael Holzt, kju -at- fqdn.org
		Copyright <sup>©</sup> 2005 Adrian Bunk
		Copyright © 2005 Jens Axboe <jens@axboe.dk></jens@axboe.dk>
		Copyright © 2007, 2011 SuSE LINUX Products GmbH
		Copyright © 2007-2013 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2007-2014 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2008 Cai Qian <qcai@redhat.com></qcai@redhat.com>

Package	Version	Copyright
		Copyright © 2008 Hayden A. James <hayden.james@gmail.com></hayden.james@gmail.com>
		Copyright © 2008 James Youngman <jay@gnu.org></jay@gnu.org>
		Copyright <sup>©</sup> 2008 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2008 Roy Peled, the.roy.peled -at- gmail.com
		Copyright © 2008-2009, 2010, 2011, 2012 Karel Zak <kzak@red-hat.com></kzak@red-hat.com>
		Copyright <sup>©</sup> 2008-2012 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2009 Mikhail Gusarov <dottedmag@dottedmag.net></dottedmag@dottedmag.net>
		Copyright © 2009-2014 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2010 Hajime Taira <htaira@redhat.com></htaira@redhat.com>
		Copyright © 2010 Jason Borden <jborden@bluehost.com>A</jborden@bluehost.com>
		Copyright <sup>©</sup> 2010 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2010 Lennart Poettering
		Copyright © 2010 Masatake Yamato <yamato@redhat.com></yamato@redhat.com>
		Copyright © 2010, 2011 Davidlohr Bueso <dave@gnu.org></dave@gnu.org>
		Copyright © 2010, 2011, 2012 Davidlohr Bueso <dave@gnu.org></dave@gnu.org>
		Copyright <sup>©</sup> 2010-2013 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright <sup>©</sup> 2011 IBM Corp.
		Copyright © 2011 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2012 Andy Lutomirski <luto@amacapital.net></luto@amacapital.net>
		Copyright © 2012 Cody Maloney <cmaloney@theoretical-chaos.com></cmaloney@theoretical-chaos.com>
		Copyright © 2012 Davidlohr Bueso <dave@gnu.org></dave@gnu.org>
		Copyright © 2012 Lennart Poettering
		Copyright © 2012 Ondrej Oprala <ooprala@redhat.com></ooprala@redhat.com>
		Copyright © 2012 Sami Kerola <kerolasa@iki.fi></kerolasa@iki.fi>
		Copyright © 2012 Werner Fink <werner@suse.de></werner@suse.de>
		Copyright © 2012-2013 Eric Biederman <ebiederm@xmission.com></ebiederm@xmission.com>
		Copyright <sup>©</sup> 2012-2014 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2013, Red Hat, Inc.
		Copyright © 2013,2014 Ondrej Oprala <ooprala@redhat.com></ooprala@redhat.com>
		Copyright © 2014 Ondrej Oprala <ooprala@redhat.com></ooprala@redhat.com>
		Copyright © Guy Maor <maor@debian.org></maor@debian.org>
		Copyright ® Michal Luscon <mluscon@redhat.com></mluscon@redhat.com>
		Copyright ® n/a

Package	Version	Copyright
libffi6	3.2.1-9	Copyright <sup>©</sup> 1996-2011 Red Hat, Inc.
		Copyright <sup>©</sup> 1996-2011 Anthony Green
		Copyright <sup>©</sup> 1996-2010 Free Software Foundation, Inc
		Copyright <sup>©</sup> 2003, 2004, 2006, 2007, 2008 Kaz Kojima
		Copyright <sup>©</sup> 2010, 2011, Plausible Labs Cooperative , Inc.
		Copyright © 2010 CodeSourcery
		Copyright <sup>©</sup> 1998 Andreas Schwab
		Copyright © 2000 Hewlett Packard Company
		Copyright © 2009 Bradley Smith
		Copyright © 2008 David Daney
		Copyright <sup>©</sup> 2004 Simon Posnjak
		Copyright © 2005 Axis Communications AB
		Copyright <sup>©</sup> 1998 Cygnus Solutions
		Copyright © 2004 Renesas Technology
		Copyright © 2002, 2007 Bo Thorsen <bo@suse.de></bo@suse.de>
		Copyright © 2002 Ranjit Mathew
		Copyright © 2002 Roger Sayle
		Copyright © 2000, 2007 Software AG
		Copyright © 2003 Jakub Jelinek
		Copyright © 2000, 2001 John Hornkvist
		Copyright <sup>©</sup> 1998 Geoffrey Keating
		Copyright <sup>©</sup> 2008 Björn König
		Copyright <sup>©</sup> 1996-2010 Red Hat, Inc and others
		Copyright © 2008, 2011 Matthias Klose <doko@debian.org></doko@debian.org>

Package	Version	Copyright
libgcc1	8.3.0-6	Copyright <sup>©</sup> 1986-2014 Free Software Foundation, Inc.
		Copyright © 2009-2014 by the LLVM contributors
		Copyright <sup>©</sup> 1996-2003 Red Hat, Inc.
		Copyright <sup>©</sup> 1984, 1991, 2001 by Stephen L. Moshier <moshier@na-net.ornl.gov></moshier@na-net.ornl.gov>
		Copyright <sup>©</sup> 1993 by Sun Microsystems, Inc.
		Copyright © 2009 The Go Authors
		Copyright © 2009-2014, Intel Corporation
		Copyright © 2004-2007 David Friedman
		Copyright <sup>©</sup> 1999-2010 by Digital Mars
		Copyright <sup>©</sup> 1995-2004 Jean-loup Gailly and Mark Adler
		Copyright © 2004-2005 by Digital Mars, www.digitalmars.com
		Copyright <sup>©</sup> 1981, 1982, 1983, 1986, 1988, 1989, 1991, 1992, 1993, 1994, 1990 The Regents of the University of California
		Copyright <sup>©</sup> 1991 by AT&T
		Copyright <sup>©</sup> 1989, 1990 Advanced Micro Devices, Inc.
		Copyright <sup>©</sup> 1993 C.W. Sandmann
		Copyright <sup>©</sup> 1992 Eric Backus
		Copyright © 1986 HEWLETT-PACKARD COMPANY
		Copyright © 2001 Hans-Peter Nilsson <>
		Copyright <sup>©</sup> 1999, 2000, 2001, 2002 Stephane Carrez (stcarrez@nerim.fr)
		Copyright © 2001 Christopher G. Demetriou
		Copyright © 2002 SuperH, Inc.
		Copyright <sup>©</sup> 1999 Kungliga Tekniska Hgskolan
		Copyright <sup>©</sup> 2000, 2001 Alexey Zelkin <phantom@freebsd.org></phantom@freebsd.org>
		Copyright <sup>©</sup> 1997 by Andrey A. Chernov, Moscow, Russia
		Copyright <sup>©</sup> 1997-2002 FreeBSD Project
		Copyright <sup>©</sup> 1984,2000 S.L. Moshier
		Copyright <sup>©</sup> 1999 Citrus Project
		Copyright <sup>©</sup> 1998 Todd C. Miller <todd.miller@courtesan.com></todd.miller@courtesan.com>
		Copyright <sup>©</sup> 1991 DJ Delorie
		Copyright <sup>©</sup> 1996 Xavier Leroy (Xavier.Leroy@inria.fr)
		Copyright <sup>©</sup> 1993 Intel Corporation
		Copyright <sup>©</sup> 1986 HEWLETT-PACKARD COMPANY
		Copyright <sup>©</sup> 1992, 1993, 1994 Henry Spencer
		Copyright © 2001 Mike Barcroft <mike@freebsd.org></mike@freebsd.org>
		Copyright <sup>©</sup> 1999, 2000 Konstantin Chuguev <>
		Copyright <sup>©</sup> 2003, Artem B. Bityuckiy, SoftMine Corporation
		Copyright <sup>©</sup> 1994, 1997, 2001, 2002, 2003, 2004 Red Hat Incorporated

Package	Version	Copyright
libgcrypt20	1.8.4-5	Copyright © 1989,1991-2018 Free Software Foundation, Inc.
		Copyright <sup>©</sup> 1994 X Consortium
		Copyright <sup>©</sup> 1996 L. Peter Deutsch
		Copyright <sup>©</sup> 1997 Werner Koch
		Copyright <sup>©</sup> 1998 The Internet Society
		Copyright <sup>©</sup> 1996-1999 Peter Gutmann, Paul Kendall, and Chris Wedgwood
		Copyright <sup>©</sup> 1996-2006 Peter Gutmann, Matt Thomlinson and Blake Coverett
		Copyright © 2003 Nikos Mavroyanopoulos
		Copyright © 2006-2007 NTT (Nippon Telegraph and Telephone Corporation)
		Copyright © 2012-2018 g10 Code GmbH
		Copyright <sup>©</sup> 2012 Simon Josefsson, Niels Möller
		Copyright <sup>©</sup> 2012 Intel Corporation
		Copyright <sup>©</sup> 2013 Christian Grothoff
		Copyright © 2013-2017 Jussi Kivilinna
		Copyright © 2013-2014 Dmitry Eremin-Solenikov
		Copyright <sup>©</sup> 2014 Stephan Mueller
		Copyright © 2017 Bundesamt für Sicherheit in der Informationstechnik
		Copyright <sup>©</sup> 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2006, 2007, 2008, 2009, 2010, 2011 Free Software Foundation, Inc.
		Copyright <sup>©</sup> 2012, 2013, 2016 2017 g10 Code GmbH
		Copyright © 2012, Intel Corporation
		Copyright <sup>©</sup> Stephan Mueller <smueller@chronox.de></smueller@chronox.de>
		Copyright <sup>©</sup> 1994 X Consortium <>
libgmp10	6.1.2+dfsg-4	Copyright <sup>©</sup> 1991, 1996, 1999, 2000, 2007 Free Software Foundation, Inc.

Package	Version	Copyright
libgnutls30	3.6.7-4+deb10u5	Copyright © 2000-2019 Free Software Foundation, Inc.
		Copyright <sup>©</sup> 2002 Andrew McDonald <andrew@mcdonald.org.uk></andrew@mcdonald.org.uk>
		Copyright © 2001-2019 Nikos Mavrogiannopoulos
		Copyright <sup>©</sup> 2011-2016, Andy Polyakov by <appro@openssl.org></appro@openssl.org>
		Copyright <sup>©</sup> 2000, 2001 Markus Friedl
		Copyright © 2008 Alexander von Gernler
		Copyright <sup>©</sup> Mike Hamburg (Stanford University), 2009
		Copyright <sup>©</sup> 1996,1999 by Internet Software Consortium
		Copyright © 2016 Wrymouth Innovation Ltd
		Copyright © 2015 JWC s.r.o. <a href="http://www.jwc.sk">http://www.jwc.sk</a>
		Copyright <sup>©</sup> 2009-2019 Free Software Foundation, Inc.
		Copyright © 2016 Nikos Mavrogiannopoulos
		Copyright <sup>©</sup> 2016 Google Inc.
		Copyright <sup>©</sup> 2017 Red Hat, Inc.
		Copyright © 2017 Tim Ruehsen
		Copyright © 2017 Nikos Mavrogiannopoulos
		Copyright <sup>©</sup> 2013, 2014 Red Hat
		Copyright <sup>©</sup> 2008 Free Software Foundation, Inc.
		Copyright <sup>©</sup> 2001, 2002, 2010, 2011, 2013, 2014 Niels Möller
		Copyright © 2013-2018 Dmitry Eremin-Solenikov
		Copyright <sup>©</sup> 2012 Nikos Mavrogiannopoulos, Niels Möller
		Copyright <sup>©</sup> 2012 Simon Josefsson
		Copyright <sup>©</sup> Stefan Metzmacher 2012
		Copyright <sup>©</sup> Jeremy Allison 2012
		Copyright <sup>©</sup> Michael Adam 2012
		Copyright <sup>©</sup> 2017, Red Hat Inc.
		Copyright © 2009-2012 Aleksey Kravchenko <rhash.admin@gmail.com></rhash.admin@gmail.com>
		Copyright © 2016-2018 Red Hat, Inc
		Copyright © 2019 Red Hat, Inc
		Copyright © 2016-2019 Red Hat, Inc.
		Copyright <sup>©</sup> 2013 Adam Sampson <ats@offog.org></ats@offog.org>
libgpg-error0	1.35-1	Copyright © 2000 Werner Koch (dd9jn)
		Copyright <sup>©</sup> 2001, 2002, 2003, 2004, 2007, 2010, 2016 g10 Code GmbH
		Copyright © 2001-2004, 2010, 2012-2018, g10 Code GmbH
		Copyright © 2004-2012, 2014-2017 g10 Code GmbH
		Copyright © 2005, 2013, 2015, 2016 g10 Code GmbH
		Copyright © 2008 g10 Code GmbH
		Copyright © 2008, 2011, 2016 g10 Code GmbH
		Copyright © 2014 g10 Code GmbH

Package	Version	Copyright
libgssapi-krb5-2	1.17-3	Copyright <sup>©</sup> 1985-2018 by the Massachusetts Institute of Technology
		Copyright © OpenVision Technologies, Inc., 1993-1996
		Copyright <sup>©</sup> 1998 by the FundsXpress, INC.
		Copyright © 2001, Dr Brian Gladman "brg@gladman.uk.net", Worcester, UK
		Copyright © 2006, 2011, 2013, 2014 Red Hat, Inc.
		Copyright © 2004 Sun Microsystems, Inc.
		Copyright <sup>©</sup> 1983 Regents of the University of California
		Copyright © 2004-2005, Novell, Inc.
		Copyright © 2006-2007 THE REGENTS OF THE UNIVERSITY OF MICHIGAN
		Copyright © 2006 g10 Code GmbH
		Copyright © 2006 Andreas Jellinghaus
		Copyright © 2004-2009 Apple Inc.
		Copyright © 1999-2003 The OpenLDAP Foundation
		Copyright © 2006, 2009 Kungliga Tekniska Högskola
		Copyright © 2010, Oracle America, Inc./Copyright>
		Copyright © 2006,2007,2009 NTT
		Copyright © 2000 by Carnegie Mellon University
		Copyright © 2002 Naval Research Laboratory
		Copyright <sup>©</sup> The Internet Society (2006)
		Copyright © 1991, 1992, 1994 by Cygnus Support
		Copyright © 2006 Secure Endpoints Inc
		Copyright © 2005 Marko Kreen
		Copyright <sup>©</sup> 1994 by the University of Southern California
		Copyright <sup>©</sup> 1995 The President and Fellows of Harvard University
		Copyright <sup>©</sup> 1995 by Richard P. Basch
		Copyright <sup>©</sup> 1995 by Lehman Brothers, Inc
		Copyright <sup>©</sup> 1997, 1998 The NetBSD Foundation, Inc.
		Copyright <sup>©</sup> 1997, 1998, 1999 Computing Research Labs, New Mexico State University
		Copyright <sup>©</sup> 1998 Todd C. Miller "Todd.Miller@courtesan.com"
		Copyright <sup>©</sup> 1999 by Theodore Ts'o
		Copyright <sup>©</sup> 1999-2000, The University of Chicago
		Copyright © 2000 The Regents of the University of Michigan
		Copyright © 2000 Dug Song "dugsong@UMICH.EDU"
		Copyright <sup>©</sup> 1990, RSA Data Security, Inc.
		Copyright <sup>©</sup> 1990, RSA Data Security, Inc.
		Copyright © 1990-2, RSA Data Security, Inc.;
		Copyright <sup>©</sup> 1994 CyberSAFE Corporation.
		Copyright © 1990,1991,2007,2008 by the Massachusetts Institute of Technology
		Copyright © 2011, PADL Software Pty Ltd.

Package	Version	Copyright
		Copyright © 2007,2008,2009 Marc Alexander Lehmann
		Copyright © 2010, Intel Corporation
		Copyright <sup>©</sup> 1998 by Danilo Almeida.
libhogweed4	3.4.1-1	Copyright © 1992 Dana L. How
		Copyright © 1995-1997 Eric Young <eay@cryptsoft.com></eay@cryptsoft.com>
		Copyright © 1997, 2001 Niels Möller
		Copyright <sup>©</sup> 1998 Ross Anderson, Eli Biham, Lars Knudsen
		Copyright © 1998, 2001 Niels Möller
		Copyright © 1998, 2001 Ray Dassen
		Copyright © 1999 J.H.M. Dassen (Ray) <jdassen@wi.leidenuniv.nl></jdassen@wi.leidenuniv.nl>
		Copyright <sup>©</sup> 1999 Ruud de Rooij <ruud@debian.org></ruud@debian.org>
		Copyright © 2000, 2001, 2002 Rafael R. Sevilla, Niels Möller
		Copyright © 2001 Niels Möller
		Copyright © 2001, 2002, 2005, 2008 Niels Möller
		Copyright <sup>©</sup> 2001, 2002, 2005, 2008 Rafael R. Sevilla
		Copyright © 2001, 2004 Peter Gutmann, Andrew Kuchling, Niels Möller
		Copyright © 2001-2011 Niels Möller
		Copyright © 2002 Dan Egnor
		Copyright © 2002 Dana L. How
		Copyright © 2002 Niels Möller
		Copyright © 2002 Timshel Knoll <timshel@debian.org></timshel@debian.org>
		Copyright © 2002, 2004 Niels Möller
		Copyright <sup>©</sup> 2002, 2009 Niels Möller
		Copyright © 2003 Andreas Sigfridsson
		Copyright © 2003 Marcus Comstedt
		Copyright © 2003 Niels Möller
		Copyright © 2003 Nikos Mavroyanopoulos
		Copyright © 2004 Simon Josefsson
		Copyright © 2005, 2009 Niels Möller
		Copyright $^{\tiny \odot}$ 2006, 2007 NTT (Nippon Telegraph and Telephone Corporation)
		Copyright <sup>©</sup> 2007 Magnus Holmgren
		Copyright © 2009 Magnus Holmgren
		Copyright © 2010 Niels Möller
		Copyright © 2010 Simon Josefsson
		Copyright © 2010, 2011 Simon Josefsson
		Copyright © 2011 Andres Mejia
		Copyright © 2011 Katholieke Universiteit Leuven
		Copyright <sup>©</sup> 2011 Niels Möller
		Copyright <sup>©</sup> ? Andrew Kuchling
		Copyright <sup>©</sup> Colin Plumb, Andrew Kuchling
		Copyright <sup>©</sup> none

Package	Version	Copyright
libicu63	63.1-6+deb10u1	Copyright (c) 1995-20114 International Business Machines Corporation and others
		Copyright (c) 1991-2008 Unicode, Inc.
libidn2-0	2.0.5-1+deb10u1	Copyright © 1991-2010 Unicode, Inc.
		Copyright <sup>©</sup> 1998 Michael Zucchi
		Copyright <sup>©</sup> 2001, 2002 Nikos Mavrogiannopoulos
		Copyright <sup>©</sup> 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011 Simon Josefsson
		Copyright © 2011-2014 Simon Josefsson

Package	Version	Copyright
libk5crypto3	1.17-3	Copyright (C) 1985-2018 by the Massachusetts Institute of Technology
		Copyright, OpenVision Technologies, Inc., 1993-1996
		Copyright (C) 1998 by the FundsXpress, INC.
		Copyright (c) 2001, Dr Brian Gladman brg@gladman.uk.net
		Copyright (c) 2006, 2011, 2013, 2014 Red Hat, Inc.
		Copyright (c) 2004 Sun Microsystems, Inc
		Copyright (c) 1983 Regents of the University of California.
		Copyright (c) 2004-2005, Novell, Inc.
		COPYRIGHT (c) 2006-2007 THE REGENTS
		Copyright 2006 g10 Code GmbH Copyright 2006 Andreas Jellinghaus
		Copyright 2004-2008, 2009 Apple Inc.
		Copyright 1999-2003 The OpenLDAP Foundation, Redwood City, California
		Copyright (c) 2006, 2009 Kungliga Tekniska Hogskola (Royal Institute of Technology, Stockholm, Sweden).
		Copyright (c) 2010, Oracle America, Inc.
		Copyright (c) 2006,2007,2009 NTT Nippon Telegraph and Telephone
		Copyright 2000 by Carnegie Mellon Universit
		Copyright (c) 2002 Naval Research Laborator
		Copyright (c) The Internet Society (2006).
		Copyright (c) 1991, 1992, 1994 by Cygnus Support.
		Copyright (c) 2006 Secure Endpoints Inc.
		Copyright (c) 2005 Marko Kreen
		Copyright (c) 1994 by the University of Southern California
		Copyright (c) 1995 The President and Fellows of Harvard University
		Copyright 1995 by Richard P. Basch
		Copyright 1995 by Lehman Brothers, Inc.
		Copyright (c) 1997, 1998 The NetBSD Foundation, Inc.
		Copyright 1997, 1998, 1999 Computing Research Labs, New Mexico State University
		Copyright (c) 1998 Todd C. Miller Todd.Miller@courtesan.com
		Copyright 1999 by Theodore Ts'o.
		Copyright (c) 1999-2000, The University of Chicago
		Copyright (c) 2000 The Regents of the University of Michigan.
		Copyright (c) 2000 Dug Song dugsong@UMICH.EDU'.
		Copyright (c) 1990-2, RSA Data Security, Inc.
		Copyright (c) 1994 CyberSAFE Corporation
		Copyright (c) 2011, PADL Software Pty Ltd.
		Copyright (c) 2007,2008,2009 Marc Alexander Lehmann.
		Copyright (c) 2010, Intel Corporation
		Copyright (c) 1998 by Danilo Almeida.

Package	Version	Copyright
libkeyutils1	1.6-6	Copyright © 2005-2018, Red Hat <a href="http://www.redhat.com/">http://www.redhat.com/&gt;</a>
		Copyright © 2006-2013, Daniel Baumann <mail@daniel-baumann.ch></mail@daniel-baumann.ch>
		Copyright <sup>©</sup> 2013, Luk Claes <luk@debian.org></luk@debian.org>
		Copyright © 2014-2019, Christian Kastner <ckk@debian.org></ckk@debian.org>

Package	Version	Copyright
libkrb5-3	1.17-3	Copyright (C) 1985-2018 by the Massachusetts Institute of Technology
		Copyright, OpenVision Technologies, Inc., 1993-1996
		Copyright (C) 1998 by the FundsXpress, INC.
		Copyright (c) 2001, Dr Brian Gladman brg@gladman.uk.net
		Copyright (c) 2006, 2011, 2013, 2014 Red Hat, Inc.
		Copyright (c) 2004 Sun Microsystems, Inc
		Copyright (c) 1983 Regents of the University of California.
		Copyright (c) 2004-2005, Novell, Inc.
		COPYRIGHT (c) 2006-2007 THE REGENTS
		Copyright 2006 g10 Code GmbH Copyright 2006 Andreas Jellinghaus
		Copyright 2004-2008, 2009 Apple Inc.
		Copyright 1999-2003 The OpenLDAP Foundation, Redwood City,
		California
		Copyright (c) 2006, 2009 Kungliga Tekniska Hogskola (Royal Institute of Technology, Stockholm, Sweden).
		Copyright (c) 2010, Oracle America, Inc.
		Copyright (c) 2006,2007,2009 NTT Nippon Telegraph and Telephone
		Copyright 2000 by Carnegie Mellon Universit
		Copyright (c) 2002 Naval Research Laborator
		Copyright (c) The Internet Society (2006).
		Copyright (c) 1991, 1992, 1994 by Cygnus Support.
		Copyright (c) 2006 Secure Endpoints Inc.
		Copyright (c) 2005 Marko Kreen
		Copyright (c) 1994 by the University of Southern California
		Copyright (c) 1995 The President and Fellows of Harvard University
		Copyright 1995 by Richard P. Basch
		Copyright 1995 by Lehman Brothers, Inc.
		Copyright (c) 1997, 1998 The NetBSD Foundation, Inc.
		Copyright 1997, 1998, 1999 Computing Research Labs, New Mexico State University
		Copyright (c) 1998 Todd C. Miller Todd.Miller@courtesan.com
		Copyright 1999 by Theodore Ts'o.
		Copyright (c) 1999-2000, The University of Chicago
		Copyright (c) 2000 The Regents of the University of Michigan.
		Copyright (c) 2000 Dug Song dugsong@UMICH.EDU'.
		Copyright (c) 1990-2, RSA Data Security, Inc.
		Copyright (c) 1994 CyberSAFE Corporation
		Copyright (c) 2011, PADL Software Pty Ltd.
		Copyright (c) 2007,2008,2009 Marc Alexander Lehmann.
		Copyright (c) 2010, Intel Corporation
		Copyright (c) 1998 by Danilo Almeida.
		copyright 1997 by Joey Hess.
		Copyright (c) 2006, 2008, 2009 Software in the Public Interest

Package	Version	Copyright
		Copyright (c) 2010 krb5
		Copyright (c) Jens Nachtigall nachtigall@web.de, 2005. Helge Kreutzmann debian@helgefjell.de
		Copyright (c) 2005-2009 Debian French I10n team debian-I10n-french@lists.debian.org
		Copyright (c) 2011 THE PACKAGE'S
		Copyright (c) 2007 Miguel Figueiredo elmig@debianpt.org
		Copyright (c) 2006, 2008 THE krb5'S
		Copyright (c) 2010 Free Software Foundation, Inc. Clytie Siddall clytie@riverland.net.au
		Copyright 2018 Canonical Ltd.

Package	Version	Copyright
libkrb5support0	1.17-3	Copyright (C) 1985-2018 by the Massachusetts Institute of Technology
		Copyright, OpenVision Technologies, Inc., 1993-1996
		Copyright (C) 1998 by the FundsXpress, INC.
		Copyright (c) 2001, Dr Brian Gladman brg@gladman.uk.net
		Copyright (c) 2006, 2011, 2013, 2014 Red Hat, Inc.
		Copyright (c) 2004 Sun Microsystems, Inc
		Copyright (c) 1983 Regents of the University of California.
		Copyright (c) 2004-2005, Novell, Inc.
		COPYRIGHT (c) 2006-2007 THE REGENTS
		Copyright 2006 g10 Code GmbH Copyright 2006 Andreas Jellinghaus
		Copyright 2004-2008, 2009 Apple Inc.
		Copyright 1999-2003 The OpenLDAP Foundation, Redwood City, California
		Copyright (c) 2006, 2009 Kungliga Tekniska Hogskola (Royal Institute of Technology, Stockholm, Sweden).
		Copyright (c) 2010, Oracle America, Inc.
		Copyright (c) 2006,2007,2009 NTT Nippon Telegraph and Telephone
		Copyright 2000 by Carnegie Mellon Universit
		Copyright (c) 2002 Naval Research Laborator
		Copyright (c) The Internet Society (2006).
		Copyright (c) 1991, 1992, 1994 by Cygnus Support.
		Copyright (c) 2006 Secure Endpoints Inc.
		Copyright (c) 2005 Marko Kreen
		Copyright (c) 1994 by the University of Southern California
		Copyright (c) 1995 The President and Fellows of Harvard University
		Copyright 1995 by Richard P. Basch
		Copyright 1995 by Lehman Brothers, Inc.
		Copyright (c) 1997, 1998 The NetBSD Foundation, Inc.
		Copyright 1997, 1998, 1999 Computing Research Labs, New Mexico State University
		Copyright (c) 1998 Todd C. Miller Todd.Miller@courtesan.com
		Copyright 1999 by Theodore Ts'o.
		Copyright (c) 1999-2000, The University of Chicago
		Copyright (c) 2000 The Regents of the University of Michigan.
		Copyright (c) 2000 Dug Song dugsong@UMICH.EDU'.
		Copyright (c) 1990-2, RSA Data Security, Inc.
		Copyright (c) 1994 CyberSAFE Corporation
		Copyright (c) 2011, PADL Software Pty Ltd.
		Copyright (c) 2007,2008,2009 Marc Alexander Lehmann.
		Copyright (c) 2010, Intel Corporation
		Copyright (c) 1998 by Danilo Almeida.

Package	Version	Copyright
libldap-2.4-2	2.4.47+dfsg-3+d eb10u3	Copyright (c) 1998-2018 The OpenLDAP Foundation
		Copyright (c) 2007, 2011 THE openIdap'S
		Copyright (c) 1994, 1995-8, 1999, 2001 Free Software Foundation, Inc.
		Copyright (c) 2010 Free Software Foundation, Inc. Clytie Siddall clytie@riverland.net.au , 2005-2010. Tran Ngoc Quan vnwildman@gmail.com
		Copyright (c) Helge Kreutzmann debian@helgefjell.de
		Copyright (c) The Internet Society (1997-2006)
		Copyright (c) 1996, 1998 by Internet Software Consortium.
		Copyright (c) 2000 Pierangelo Masarati, ando@sys-net.it
		Copyright (c) 2000, Mark Adamson, Carnegie Mellon.
		Copyright (c) 2006-2010 Christian Perrier bubulle@debian.org
		Copyright (c) 2008-2011 THE PACKAGE'S
		Copyright (c) 2009, 2010 Software in the Public Interest
		Copyright (c) 2010, 2017 Martin Bagge brother@bsnet.se
		Copyright 1991 by the Massachusetts Institute of Technology
		Copyright 1999 Computing Research Labs, New Mexico State University
		Copyright 1999-2001 The OpenLDAP Foundation, Redwood City, California
		Copyright 2006 Rudy Godoy rudy@kernel-panik.org
		Copyright 2008 Steve Langasek vorlon@debian.org
libldap-common	2.4.47+dfsg-3+d	Copyright (c) 1998-2018 The OpenLDAP Foundation
	eb10u3	Copyright (c) 2007, 2011 THE openIdap'S
		Copyright (c) 1994, 1995-8, 1999, 2001 Free Software Foundation, Inc.
		Copyright (c) 2010 Free Software Foundation, Inc. Clytie Siddall clytie@riverland.net.au , 2005-2010. Tran Ngoc Quan vnwildman@gmail.com
		Copyright (c) Helge Kreutzmann debian@helgefjell.de
		Copyright (c) The Internet Society (1997-2006)
		Copyright (c) 1996, 1998 by Internet Software Consortium.
		Copyright (c) 2000 Pierangelo Masarati, ando@sys-net.it
		Copyright (c) 2000, Mark Adamson, Carnegie Mellon.
		Copyright (c) 2006-2010 Christian Perrier bubulle@debian.org
		Copyright (c) 2008-2011 THE PACKAGE'S
		Copyright (c) 2009, 2010 Software in the Public Interest
		Copyright (c) 2010, 2017 Martin Bagge brother@bsnet.se
		Copyright 1991 by the Massachusetts Institute of Technology
		Copyright 1999 Computing Research Labs, New Mexico State University
		Copyright 1999-2001 The OpenLDAP Foundation, Redwood City, California
		Copyright 2006 Rudy Godoy rudy@kernel-panik.org
		Copyright 2008 Steve Langasek vorlon@debian.org

Package	Version	Copyright
liblz4-1	1.8.3-1	Copyright © 2011-2014, Yann Collet.
		Copyright © 2011-2016, Yann Collet.
		Copyright © 2011-2017, Yann Collet.
		Copyright <sup>©</sup> 2013 Nobuhiro Iwamatsu <iwamatsu@debian.org></iwamatsu@debian.org>
		Copyright © 2016 -present, Przemyslaw Skibinski, Yann Collet
		Copyright <sup>©</sup> Kyle Harper
		Copyright <sup>©</sup> Takayuki Matsuoka
		Copyright <sup>©</sup> Takayuki Matsuoka & Yann Collet
		Copyright <sup>©</sup> Yann Collet
liblzma5	5.2.4-1	Copyright <sup>©</sup> 1993, Jean-loup Gailly
		Copyright <sup>©</sup> 1997-2007 by Dimitri van Heesch
		Copyright <sup>©</sup> 1998, Steve Reid
		Copyright <sup>©</sup> 1999-2008, Igor Pavlov
		Copyright <sup>©</sup> 2000, Wei Dai
		Copyright <sup>©</sup> 2003, Kevin Springle
		Copyright <sup>©</sup> 2005, 2009, Lasse Collin
		Copyright <sup>©</sup> 2005, Charles Levert
		Copyright © 2006 Timo Lindfors
		Copyright <sup>©</sup> 2006, Ville Koskinen
		Copyright <sup>©</sup> 2006-2018, Lasse Collin
		Copyright <sup>©</sup> 2008, Steven G. Johnson <stevenj@alum.mit.edu></stevenj@alum.mit.edu>
		Copyright <sup>©</sup> 2008-2009, Lasse Collin
		Copyright <sup>©</sup> 2009, 2010, 2011, Milo Casagrande
		Copyright <sup>©</sup> 2009, 2010, Gruppo traduzione italiano di Ubuntu-it
		Copyright <sup>©</sup> 2009, Andrew Dudman
		Copyright © 2009, Jonathan Nieder
		Copyright <sup>©</sup> 2009, Lasse Collin
		Copyright <sup>©</sup> 2009-2010, Lasse Collin
		Copyright © 2009-2012, Jonathan Nieder
		Copyright <sup>©</sup> 2010, Anders F Björklund
		Copyright <sup>©</sup> 2010, Andre Noll
		Copyright <sup>©</sup> 2010, Daniel Mealha Cabrita
		Copyright <sup>©</sup> 2010, Lorenzo De Liso
		Copyright <sup>©</sup> 2010, Marek Černocký
		Copyright © 2011, Adrien Nader
		Copyright <sup>©</sup> 2011, Jakub Bogusz
		Copyright © 2014, Google Inc.
		Copyright © 2015, Lasse Collin <lasse.collin@tukaani.org></lasse.collin@tukaani.org>

Package	Version	Copyright
libmount1	2.33.1-0.1	Copyright <sup>©</sup> 1980, 1987, 1988 The Regents of the University of California.
		Copyright © 1986 Gary S. Brown
		Copyright <sup>©</sup> 1987 Regents of the University of California
		Copyright © 1990 Gordon Irlam <gordoni@cs.ua.oz.au></gordoni@cs.ua.oz.au>
		Copyright © 1991, 1992 Linus Torvalds
		Copyright © 1991-2004 Miquel van Smoorenburg
		Copyright <sup>©</sup> 1992 A. V. Le Blanc <leblanc@mcc.ac.uk></leblanc@mcc.ac.uk>
		Copyright <sup>©</sup> 1992-1997 Michael K. Johnson, johnsonm@redhat.com
		Copyright <sup>©</sup> 1994 Kevin E. Martin <martin@cs.unc.edu></martin@cs.unc.edu>
		Copyright <sup>©</sup> 1994 Martin Schulze <joey@infodrom.north.de></joey@infodrom.north.de>
		Copyright © 1994 Salvatore Valente <svalente@mit.edu></svalente@mit.edu>
		Copyright © 1994,1996 Alessandro Rubini <rubini@ipvvis.unipv.it></rubini@ipvvis.unipv.it>
		Copyright © 1994-2005 Jeff Tranter <tranter@pobox.com></tranter@pobox.com>
		Copyright © 1995, 1999, 2000 Andries E. Brouwer <aeb@cwi.nl></aeb@cwi.nl>
		Copyright <sup>©</sup> 1996, 1997, 1998, 1999, 2007 Theodore Ts'o.
		Copyright <sup>©</sup> 1996, 2003 Rickard E. Faith <faith@acm.org></faith@acm.org>
		Copyright <sup>©</sup> 1997-2005 Frodo Looijaard <frodo@frodo.looijaard.name></frodo@frodo.looijaard.name>
		Copyright © 1998 Danek Duvall <duvall@alumni.princeton.edu></duvall@alumni.princeton.edu>
		Copyright © 1999 Andreas Dilger
		Copyright © 1999 Andreas Dilger <adilger@enel.ucalgary.ca></adilger@enel.ucalgary.ca>
		Copyright <sup>©</sup> 1999, 2000, 2002-2009, 2010, 2011, 2012, 2014 Red Hat, Inc.
		Copyright <sup>©</sup> 1999, 2000, Red Hat Software
		Copyright <sup>©</sup> 1999, 2001 Andries Brouwer
		Copyright © 1999-2002 Transmeta Corporation
		Copyright <sup>©</sup> 1999-2008 by Theodore Ts'o
		Copyright © 2000 Werner Almesberger
		Copyright © 2000-2001 Gunnar Ritter
		Copyright © 2001 Andreas Dilger
		Copyright © 2003, 2004, 2005 Thorsten Kukuk
		Copyright © 2003, 2004, 2005, 2008 Theodore Ts'o <tytso@mit.edu></tytso@mit.edu>
		Copyright <sup>©</sup> 2003-2005 H. Peter Anvin
		Copyright © 2004 Robert Love <rml@tech9.net></rml@tech9.net>
		Copyright © 2004-2006 Michael Holzt, kju -at- fqdn.org
		Copyright © 2005 Adrian Bunk
		Copyright <sup>©</sup> 2005 Jens Axboe <jens@axboe.dk></jens@axboe.dk>
		Copyright © 2007, 2011 SuSE LINUX Products GmbH
		Copyright <sup>©</sup> 2007-2013 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright <sup>©</sup> 2007-2014 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2008 Cai Qian <qcai@redhat.com></qcai@redhat.com>
		Copyright © 2008 Hayden A. James <hayden.james@gmail.com></hayden.james@gmail.com>

Package	Version	Copyright
		Copyright © 2008 James Youngman <jay@gnu.org></jay@gnu.org>
		Copyright <sup>©</sup> 2008 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright <sup>©</sup> 2008 Roy Peled, the roy peled -at- gmail.com
		Copyright © 2008-2009, 2010, 2011, 2012 Karel Zak <kzak@red-hat.com></kzak@red-hat.com>
		Copyright <sup>©</sup> 2008-2012 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2009 Mikhail Gusarov <dottedmag@dottedmag.net></dottedmag@dottedmag.net>
		Copyright <sup>©</sup> 2009-2014 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright <sup>©</sup> 2010 Hajime Taira <htaira@redhat.com></htaira@redhat.com>
		Copyright <sup>©</sup> 2010 Jason Borden <jborden@bluehost.com>A</jborden@bluehost.com>
		Copyright <sup>©</sup> 2010 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2010 Lennart Poettering
		Copyright <sup>©</sup> 2010 Masatake Yamato <yamato@redhat.com></yamato@redhat.com>
		Copyright <sup>©</sup> 2010, 2011 Davidlohr Bueso <dave@gnu.org></dave@gnu.org>
		Copyright <sup>©</sup> 2010, 2011, 2012 Davidlohr Bueso <dave@gnu.org></dave@gnu.org>
		Copyright <sup>©</sup> 2010-2013 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2011 IBM Corp.
		Copyright <sup>©</sup> 2011 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2012 Andy Lutomirski <luto@amacapital.net></luto@amacapital.net>
		Copyright <sup>©</sup> 2012 Cody Maloney <cmaloney@theoretical-chaos.com></cmaloney@theoretical-chaos.com>
		Copyright <sup>©</sup> 2012 Davidlohr Bueso <dave@gnu.org></dave@gnu.org>
		Copyright © 2012 Lennart Poettering
		Copyright <sup>©</sup> 2012 Ondrej Oprala <ooprala@redhat.com></ooprala@redhat.com>
		Copyright <sup>©</sup> 2012 Sami Kerola <kerolasa@iki.fi></kerolasa@iki.fi>
		Copyright © 2012 Werner Fink <werner@suse.de></werner@suse.de>
		Copyright © 2012-2013 Eric Biederman <ebiederm@xmission.com></ebiederm@xmission.com>
		Copyright <sup>©</sup> 2012-2014 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2013, Red Hat, Inc.
		Copyright © 2013,2014 Ondrej Oprala <ooprala@redhat.com></ooprala@redhat.com>
		Copyright © 2014 Ondrej Oprala <ooprala@redhat.com></ooprala@redhat.com>
		Copyright <sup>©</sup> Guy Maor <maor@debian.org></maor@debian.org>
		Copyright <sup>©</sup> Michal Luscon <mluscon@redhat.com></mluscon@redhat.com>
libncursesw6	6.1+20181013-2	Copyright (c) 1998-2018 Free Software Foundation, Inc
	+deb10u2	Copyright (c) 2001 by Pradeep Padala
		Copyright (c) 1994 X Consortium
		Copyright (c) 1980, 1991, 1992, 1993 The Regents of the University of California.
		Copyright 1996-2018 by Thomas E. Dickey

Package	Version	Copyright
libnettle6	3.4.1-1	Copyright <sup>©</sup> 1992 Dana L. How
		Copyright <sup>©</sup> 1995-1997 Eric Young <eay@cryptsoft.com></eay@cryptsoft.com>
		Copyright <sup>©</sup> 1997, 2001 Niels Möller
		Copyright <sup>©</sup> 1998 Ross Anderson, Eli Biham, Lars Knudsen
		Copyright <sup>©</sup> 1998, 2001 Niels Möller
		Copyright <sup>©</sup> 1998, 2001 Ray Dassen
		Copyright <sup>©</sup> 1999 J.H.M. Dassen (Ray) <jdassen@wi.leidenuniv.nl></jdassen@wi.leidenuniv.nl>
		Copyright <sup>©</sup> 1999 Ruud de Rooij <ruud@debian.org></ruud@debian.org>
		Copyright <sup>©</sup> 2000, 2001, 2002 Rafael R. Sevilla, Niels Möller
		Copyright <sup>©</sup> 2001 Niels Möller
		Copyright <sup>©</sup> 2001, 2002, 2005, 2008 Niels Möller
		Copyright <sup>©</sup> 2001, 2002, 2005, 2008 Rafael R. Sevilla
		Copyright © 2001, 2004 Peter Gutmann, Andrew Kuchling, Niels Möller
		Copyright © 2001-2011 Niels Möller
		Copyright © 2002 Dan Egnor
		Copyright © 2002 Dana L. How
		Copyright © 2002 Niels Möller
		Copyright © 2002 Timshel Knoll <timshel@debian.org></timshel@debian.org>
		Copyright <sup>©</sup> 2002, 2004 Niels Möller
		Copyright <sup>©</sup> 2002, 2009 Niels Möller
		Copyright © 2003 Andreas Sigfridsson
		Copyright <sup>©</sup> 2003 Marcus Comstedt
		Copyright <sup>©</sup> 2003 Niels Möller
		Copyright © 2003 Nikos Mavroyanopoulos
		Copyright © 2004 Simon Josefsson
		Copyright <sup>©</sup> 2005, 2009 Niels Möller
		Copyright © 2006, 2007 NTT (Nippon Telegraph and Telephone Corporation)
		Copyright © 2007 Magnus Holmgren
		Copyright © 2009 Magnus Holmgren
		Copyright © 2010 Niels Möller
		Copyright © 2010 Simon Josefsson
		Copyright © 2010, 2011 Simon Josefsson
		Copyright © 2011 Andres Mejia
		Copyright © 2011 Katholieke Universiteit Leuven
		Copyright © 2011 Niels Möller
		Copyright © ? Andrew Kuchling
		Copyright <sup>©</sup> Colin Plumb, Andrew Kuchling

Package	Version	Copyright
libnghttp2-14	1.36.0-2+deb10u	Copyright © 2002-2013 Igor Sysoev
	1	Copyright <sup>©</sup> 2007-2013 by the Sphinx team
		Copyright © 2008, Benjamin Kosnik bkoz@redhat.com>,
		Copyright © 2009 Alan W. Irwin,
		Copyright © 2009 Andrew Collier,
		Copyright © 2009 Horst Knorr <hk_classes@knoda.org>,</hk_classes@knoda.org>
		Copyright © 2009 Matteo Settenvini <matteo@member.fsf.org>,</matteo@member.fsf.org>
		Copyright © 2009 Rafael Laboissiere <rafael@laboissiere.net>,</rafael@laboissiere.net>
		Copyright © 2009 Sebastian Huber <sebastian-huber@web.de>,</sebastian-huber@web.de>
		Copyright © 2011-2013 Nginx, Inc.
		Copyright <sup>©</sup> 2012, 2013, 2014 Tatsuhiro Tsujikawa
		Copyright <sup>©</sup> 2012, Twist Inc.
		Copyright <sup>©</sup> 2012, Zack Weinberg <zackw@panix.com>,</zackw@panix.com>
		Copyright © 2013 Daniel Mullner <muellner@math.stanford.edu></muellner@math.stanford.edu>
		Copyright <sup>©</sup> 2013 Dave Snider
		Copyright © 2013, Roy Stogner <roystgnr@ices.utexas.edu></roystgnr@ices.utexas.edu>
		Copyright <sup>©</sup> 2015 mruby developers
		Copyright <sup>©</sup> Dave Gandy
		Copyright $^{\circledcirc}$ Joyent, Inc. and other Node contributors. All rights reserved.

Package	Version	Copyright
libp11-kit0	0.23.15-2	Copyright © 1996, 1998 by Internet Software Consortium
		Copyright © 2000, 2001, 2003 Internet Software Consortium.
		Copyright © 2004 Stefan Walter
		Copyright © 2004, 2005, 2007, 2011 Internet Systems Consortium, Inc. ("ISC")
		Copyright © 2005 Stefan Walter
		Copyright © 2006 Andreas Jellinghaus
		Copyright © 2006, 2007 g10 Code GmbH
		Copyright © 2007, 2012 Stefan Walter
		Copyright © 2007, Stefan Walter
		Copyright © 2008 Stefan Walter
		Copyright © 2011 Chris Coulson <chris.coulson@canonical.com></chris.coulson@canonical.com>
		Copyright © 2011 Chris Leick
		Copyright © 2011 Collabora Ltd.
		Copyright © 2011, Collabora Ltd.
		Copyright © 2011-2013 Andreas Metzler <ametzler@debian.org></ametzler@debian.org>
		Copyright © 2012 Red Hat Inc.
		Copyright © 2012 Rosetta Contributors and Canonical Ltd 2012
		Copyright © 2012 Stef Walter
		Copyright © 2012 Stefan Walter
		Copyright © 2012, 2015, 2016 Red Hat Inc
		Copyright © 2012, Redhat Inc.
		Copyright © 2012-2013 Red Hat Inc.
		Copyright © 2012-2013 Stefan Walter
		Copyright © 2012-2017 Red Hat Inc.
		Copyright © 2013 Nikos Mavrogiannopoulos
		Copyright © 2013 Red Hat Inc.
		Copyright © 2013, Red Hat Inc.
		Copyright © 2013, Redhat Inc.
		Copyright © 2013,2016 Red Hat Inc.
		Copyright © 2014 Red Hat Inc.
		Copyright © 2014,2016 Red Hat Inc.
		Copyright © 2016 Red Hat Inc.
		Copyright © 2017 Red Hat Inc.
		Copyright © 2017 Red Hat, Inc.
		Copyright © 2018 Red Hat Inc.
		Copyright © 2019, Red Hat Inc.
		Copyright <sup>©</sup> Portions Copyright 1995 by International Business Machines, Inc.

Package	Version	Copyright
libpam-modules	1.3.1-5	Copyright (c) 1994, 1995, 1996 Olaf Kirch, (okir@monad.swb.de) Copyright (c) 1995 Wietse Venema Copyright (c) 1995, 2001-2008 Red Hat, Inc. Copyright (c) 1996-1999, 2000-2003, 2005 Andrew G. Morgan (morgan@kernel.org) Copyright (c) 1996, 1997, 1999 Cristian Gafton (gafton@redhat.com) Copyright (c) 1996, 1999 Theodore Ts'o Copyright (c) 1996 Alexander O. Yuriev Copyright (c) 1996 Elliot Lee Copyright (c) 1997 Philip W. Dalrymple (pwd@mdtsoft.com) Copyright (c) 1999 Jan Rekorajski Copyright (c) 1999 Ben Collins (bcollins@debian.org) Copyright (c) 2000-2001, 2003, 2005, 2007 Steve Langasek Copyright (c) 2003, 2005 IBM Corporation Copyright (c) 2003, 2006 SuSE Linux AG. Copyright (c) 2003 Nalin Dahyabhai (nalin@redhat.com) Copyright (c) 2005-2008 Thorsten Kukuk (kukuk@thkukuk.de) Copyright (c) 2005 Darren Tucker
		Copyright (c) 2008 Canonical Ltd.
		Copyright 2004 by Sam Hartman
		Copyright 1989 - 1994, Julianne Frances Haugh
		Copyright (c) 2007 Software in the Public Interest, SPI Inc.
		Copyright (c) 2011 pam
		Copyright (c) 2007, 2009, 2011 Sven Joachim (svenjoac@gmx.de) Copyright (c) Helge Kreutzmann (debian@helgefjell.de)
		Copyright (c) 2007 Steve Langasek vorlon@debian.org
		Copyright (c) 2007 Cyril Brulebois (cyril.brulebois@enst-bretagne.fr) Copyright (c) 2009, 2001 Jean-Baka Domelevo Entfellner (domelevo@gmail.com)
		Copyright (c) 2007 Americo Monteiro
		Copyright (c) 2010 Free Software Foundation, Inc. Clytie Siddall (clytie@riverland.net.au)
		Copyright (c) 2007 Ming Hua (minghua- guest@users.alioth.debian.org)
		Copyright (c) 2009 Deng Xiyue (manphiz- guest@users.alioth.debian.org)

Package	Version	Copyright
libpam-modules-	1.3.1-5	Copyright (C) 1994, 1995, 1996 Olaf Kirch, (okir@monad.swb.de)
bin		Copyright (C) 1995 Wietse Venema
		Copyright (C) 1995, 2001-2008 Red Hat, Inc.
		Copyright (C) 1996-1999, 2000-2003, 2005 Andrew G. Morgan (morgan@kernel.org)
		Copyright (C) 1996, 1997, 1999 Cristian Gafton (gafton@red-hat.com)
		Copyright (C) 1996, 1999 Theodore Ts'o
		Copyright (C) 1996 Alexander O. Yuriev
		Copyright (C) 1996 Elliot Lee
		Copyright (C) 1997 Philip W. Dalrymple (pwd@mdtsoft.com)
		Copyright (C) 1999 Jan Rękorajski
		Copyright (C) 1999 Ben Collins (bcollins@debian.org)
		Copyright (C) 2000-2001, 2003, 2005, 2007 Steve Langasek
		Copyright (C) 2003, 2005 IBM Corporation
		Copyright (C) 2003, 2006 SuSE Linux AG.
		Copyright (C) 2003 Nalin Dahyabhai (nalin@redhat.com)
		Copyright (C) 2005-2008 Thorsten Kukuk (kukuk@thkukuk.de)
		Copyright (C) 2005 Darren Tucker
libpam-runtime	1.3.1-5	Copyright (C) 1994, 1995, 1996 Olaf Kirch, (okir@monad.swb.de)
		Copyright (C) 1995 Wietse Venema
		Copyright (C) 1995, 2001-2008 Red Hat, Inc.
		Copyright (C) 1996-1999, 2000-2003, 2005 Andrew G. Morgan (morgan@kernel.org)
		Copyright (C) 1996, 1997, 1999 Cristian Gafton (gafton@red-hat.com)
		Copyright (C) 1996, 1999 Theodore Ts'o
		Copyright (C) 1996 Alexander O. Yuriev
		Copyright (C) 1996 Elliot Lee
		Copyright (C) 1997 Philip W. Dalrymple (pwd@mdtsoft.com)
		Copyright (C) 1999 Jan Rękorajski
		Copyright (C) 1999 Ben Collins (bcollins@debian.org)
		Copyright (C) 2000-2001, 2003, 2005, 2007 Steve Langasek
		Copyright (C) 2003, 2005 IBM Corporation
		Copyright (C) 2003, 2006 SuSE Linux AG.
		Copyright (C) 2003 Nalin Dahyabhai (nalin@redhat.com)
		Copyright (C) 2005-2008 Thorsten Kukuk (kukuk@thkukuk.de)
		Copyright (C) 2005 Darren Tucker

Package	Version	Copyright
libpam0g	1.3.1-5	Copyright (C) 1994, 1995, 1996 Olaf Kirch, (okir@monad.swb.de)
		Copyright (C) 1995 Wietse Venema
		Copyright (C) 1995, 2001-2008 Red Hat, Inc.
		Copyright (C) 1996-1999, 2000-2003, 2005 Andrew G. Morgan (morgan@kernel.org)
		Copyright (C) 1996, 1997, 1999 Cristian Gafton (gafton@red-hat.com)
		Copyright (C) 1996, 1999 Theodore Ts'o
		Copyright (C) 1996 Alexander O. Yuriev
		Copyright (C) 1996 Elliot Lee
		Copyright (C) 1997 Philip W. Dalrymple (pwd@mdtsoft.com)
		Copyright (C) 1999 Jan Rękorajski
		Copyright (C) 1999 Ben Collins (bcollins@debian.org)
		Copyright (C) 2000-2001, 2003, 2005, 2007 Steve Langasek
		Copyright (C) 2003, 2005 IBM Corporation
		Copyright (C) 2003, 2006 SuSE Linux AG.
		Copyright (C) 2003 Nalin Dahyabhai (nalin@redhat.com)
		Copyright (C) 2005-2008 Thorsten Kukuk (kukuk@thkukuk.de)
		Copyright (C) 2005 Darren Tucker
libpcre3	8.39-12	Copyright (c) 2007, Google Inc.
		copyright 1997 to 1999 by Joey Hess
		Copyright (c) 1997-2009 University of Cambridge
libpsl5	0.20.2-2	Copyright © 2014-2015 The Chromium Authors
		Copyright © 2014-2016 Daniel Kahn Gillmor
		Copyright © 2014-2016 Tim Ruehsen
libqt5core5a	5.5.1	2012-2015 The Qt Company Ltd.
libqt5gui5		2012 2010 1110 Qt 0011paily 21ai
libqt5widgets5		
librtmp1	2.4+20151223.gi	Copyright (c) 2008-2009 Andrej Stepanchuk
	tfa8646d.1-2	Copyright(c) 2009-2011 Howard Chu
		Copyright (c) 2005-2008 Team XBMC http://www.xbmc.org
libsasl2-2	2.1.27+dfsg-1+d	Copyright <sup>©</sup> 1998-2003, Carnegie Mellon University
	eb10u1	Copyright © 2002-2004, Dima Barsky <dima@debian.org></dima@debian.org>
		Copyright © 2002-2006, John Jetmore <ii33@pobox.com></ii33@pobox.com>
		Copyright © 2004, Patrick Koetter <pre>copyright Copyright Copyrig</pre>
		Copyright © 2006-2009, Fabian Fagerholm <fabbe@debian.org></fabbe@debian.org>
		Copyright © 2006-2011, 2014, Roberto C. Sanchez <roberto@connexer.com></roberto@connexer.com>
		Copyright © 2015-2016 Ondřej Surý <ondrej@debian.org></ondrej@debian.org>
		Oopyright 2010-2010 Official States Control of the

Package	Version	Copyright
libsasl2-mod- ules-db	2.1.27+dfsg-1+d eb10u1	Copyright © 1998-2003, Carnegie Mellon University
		Copyright © 2002-2004, Dima Barsky <dima@debian.org></dima@debian.org>
		Copyright © 2002-2006, John Jetmore <jj33@pobox.com></jj33@pobox.com>
		Copyright © 2004, Patrick Koetter <p@state-of-mind.de></p@state-of-mind.de>
		Copyright © 2006-2009, Fabian Fagerholm <fabbe@debian.org></fabbe@debian.org>
		Copyright © 2006-2011, 2014, Roberto C. Sanchez <roberto@connexer.com></roberto@connexer.com>
		Copyright <sup>©</sup> 2015-2016 Ondřej Surý <ondrej@debian.org></ondrej@debian.org>
libseccomp2	2.3.3-4	Copyright © 2006 Bob Jenkins  deplete in the companion of the c
		Copyright <sup>©</sup> 2012 Ashley Lai <adlai@us.ibm.com></adlai@us.ibm.com>
		Copyright © 2012 Corey Bryant <coreyb@linux.vnet.ibm.com></coreyb@linux.vnet.ibm.com>
		Copyright <sup>©</sup> 2012 Eduardo Otubo <otubo@linux.vnet.ibm.com></otubo@linux.vnet.ibm.com>
		Copyright © 2012 Eric Paris <eparis@redhat.com></eparis@redhat.com>
		Copyright <sup>©</sup> 2012 Kees Cook <kees@debian.org></kees@debian.org>
		Copyright <sup>©</sup> 2012 Paul Moore <pmoore@redhat.com></pmoore@redhat.com>
		Copyright © 2013 Vitaly Shukela <vi0oss@gmail.com></vi0oss@gmail.com>
libselinux1	2.8-1+b1	Copyright 2004 Red Hat, Inc., James Morris jmorris@redhat.com
		(c) 2005, 2006, Manoj Srivastava srivasta@debian.org
libsemanage-	2.8-2	Copyright (c) 2004-2007 Tresys Technology, LL
common		Copyright (c) 2005 Red Hat, Inc.
		(c) 2005-2009, Manoj Srivastava srivasta@debian.org
libsemanage1	2.8-2	Copyright (c) 2004-2007 Tresys Technology, LL
		Copyright (c) 2005 Red Hat, Inc.
		(c) 2005-2009, Manoj Srivastava srivasta@debian.org
libsepol1	2.8-1	Copyright (C) 2003, 2004 Stephen Smalley (sds@epoch.ncsc.mil)
		Copyright (C) 2003-2007 Red Hat, Inc.
		Copyright (C) 2004, 2005 Trusted Computer Solutions, Inc.
		Copyright (C) 2003-2008 Tresys Technology, LLC
		Copyrght 2005-2008, Manoj Srivastava srivasta@debian.org

Package	Version	Copyright
libsmartcols1	2.33.1-0.1	Copyright <sup>©</sup> 1980, 1987, 1988 The Regents of the University of California.
		Copyright © 1986 Gary S. Brown
		Copyright © 1987 Regents of the University of California
		Copyright © 1990 Gordon Irlam <gordoni@cs.ua.oz.au></gordoni@cs.ua.oz.au>
		Copyright © 1991, 1992 Linus Torvalds
		Copyright © 1991-2004 Miquel van Smoorenburg
		Copyright <sup>©</sup> 1992 A. V. Le Blanc <leblanc@mcc.ac.uk></leblanc@mcc.ac.uk>
		Copyright <sup>©</sup> 1992-1997 Michael K. Johnson, johnsonm@redhat.com
		Copyright <sup>©</sup> 1994 Kevin E. Martin <martin@cs.unc.edu></martin@cs.unc.edu>
		Copyright <sup>©</sup> 1994 Martin Schulze <joey@infodrom.north.de></joey@infodrom.north.de>
		Copyright <sup>©</sup> 1994 Salvatore Valente <svalente@mit.edu></svalente@mit.edu>
		Copyright © 1994,1996 Alessandro Rubini <rubini@ipvvis.unipv.it></rubini@ipvvis.unipv.it>
		Copyright © 1994-2005 Jeff Tranter <tranter@pobox.com></tranter@pobox.com>
		Copyright <sup>©</sup> 1995, 1999, 2000 Andries E. Brouwer <aeb@cwi.nl></aeb@cwi.nl>
		Copyright <sup>©</sup> 1996, 1997, 1998, 1999, 2007 Theodore Ts'o.
		Copyright <sup>©</sup> 1996, 2003 Rickard E. Faith <faith@acm.org></faith@acm.org>
		Copyright <sup>©</sup> 1997-2005 Frodo Looijaard <frodo@frodo.looijaard.name></frodo@frodo.looijaard.name>
		Copyright <sup>©</sup> 1998 Danek Duvall <duvall@alumni.princeton.edu></duvall@alumni.princeton.edu>
		Copyright <sup>©</sup> 1999 Andreas Dilger
		Copyright <sup>©</sup> 1999 Andreas Dilger <adilger@enel.ucalgary.ca></adilger@enel.ucalgary.ca>
		Copyright <sup>©</sup> 1999, 2000, 2002-2009, 2010, 2011, 2012, 2014 Red Hat, Inc.
		Copyright <sup>©</sup> 1999, 2000, Red Hat Software
		Copyright <sup>©</sup> 1999, 2001 Andries Brouwer
		Copyright © 1999-2002 Transmeta Corporation
		Copyright <sup>©</sup> 1999-2008 by Theodore Ts'o
		Copyright © 2000 Werner Almesberger
		Copyright © 2000-2001 Gunnar Ritter
		Copyright © 2001 Andreas Dilger
		Copyright © 2003, 2004, 2005 Thorsten Kukuk
		Copyright © 2003, 2004, 2005, 2008 Theodore Ts'o <tytso@mit.edu></tytso@mit.edu>
		Copyright © 2003-2005 H. Peter Anvin
		Copyright © 2004 Robert Love <rml@tech9.net></rml@tech9.net>
		Copyright © 2004-2006 Michael Holzt, kju -at- fqdn.org
		Copyright © 2005 Adrian Bunk
		Copyright © 2005 Jens Axboe <jens@axboe.dk></jens@axboe.dk>
		Copyright © 2007, 2011 SuSE LINUX Products GmbH
		Copyright © 2007-2013 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright <sup>©</sup> 2007-2014 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright <sup>©</sup> 2008 Cai Qian <qcai@redhat.com></qcai@redhat.com>
		Copyright © 2008 Hayden A. James <hayden.james@gmail.com></hayden.james@gmail.com>

Package	Version	Copyright
		Copyright © 2008 James Youngman <jay@gnu.org></jay@gnu.org>
		Copyright <sup>©</sup> 2008 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright <sup>©</sup> 2008 Roy Peled, the roy peled -at- gmail.com
		Copyright © 2008-2009, 2010, 2011, 2012 Karel Zak <kzak@red-hat.com></kzak@red-hat.com>
		Copyright <sup>©</sup> 2008-2012 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2009 Mikhail Gusarov <dottedmag@dottedmag.net></dottedmag@dottedmag.net>
		Copyright <sup>©</sup> 2009-2014 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2010 Hajime Taira <htaira@redhat.com></htaira@redhat.com>
		Copyright <sup>©</sup> 2010 Jason Borden <jborden@bluehost.com>A</jborden@bluehost.com>
		Copyright <sup>©</sup> 2010 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2010 Lennart Poettering
		Copyright © 2010 Masatake Yamato <yamato@redhat.com></yamato@redhat.com>
		Copyright <sup>©</sup> 2010, 2011 Davidlohr Bueso <dave@gnu.org></dave@gnu.org>
		Copyright © 2010, 2011, 2012 Davidlohr Bueso <dave@gnu.org></dave@gnu.org>
		Copyright © 2010-2013 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2011 IBM Corp.
		Copyright <sup>©</sup> 2011 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2012 Andy Lutomirski <luto@amacapital.net></luto@amacapital.net>
		Copyright <sup>©</sup> 2012 Cody Maloney <cmaloney@theoretical-chaos.com></cmaloney@theoretical-chaos.com>
		Copyright © 2012 Davidlohr Bueso <dave@gnu.org></dave@gnu.org>
		Copyright © 2012 Lennart Poettering
		Copyright <sup>©</sup> 2012 Ondrej Oprala <ooprala@redhat.com></ooprala@redhat.com>
		Copyright <sup>©</sup> 2012 Sami Kerola <kerolasa@iki.fi></kerolasa@iki.fi>
		Copyright © 2012 Werner Fink <werner@suse.de></werner@suse.de>
		Copyright © 2012-2013 Eric Biederman <ebiederm@xmission.com></ebiederm@xmission.com>
		Copyright <sup>©</sup> 2012-2014 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2013, Red Hat, Inc.
		Copyright © 2013,2014 Ondrej Oprala <ooprala@redhat.com></ooprala@redhat.com>
		Copyright <sup>©</sup> 2014 Ondrej Oprala <ooprala@redhat.com></ooprala@redhat.com>
		Copyright <sup>©</sup> Guy Maor <maor@debian.org></maor@debian.org>
		Copyright <sup>®</sup> Michal Luscon <mluscon@redhat.com></mluscon@redhat.com>
libss2	1.44.5-1+deb10u	Copyright (c) 2003-2007 Theodore Ts'o (tytso@mit.edu)
	3	Copyright (c) 1997-2003 Yann Dirson (dirson@debian.org)
		Copyright (c) 2001 Alcove(http://www.alcove.com/)
		Copyright (c) 1997 Klee Dienes
		Copyright (c) 1995-1996 Michael Nonweiler mrn20@cam.ac.uk
		Copyright (c) 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008 by Theodore Ts'o
		Copyright 1987 by the Student Information Processing Board of the Massachusetts Institute of Technology
		Copyright (c) 1999, 2001 by Andries Brouwer

Package	Version	Copyright
libssh2-1	1.8.0-2.1	Copyright © 2004-2007 Sara Golemon <sarag@libssh2.org></sarag@libssh2.org>
		Copyright © 2005,2006 Mikhail Gusarov <dottedmag@dottedmag.net></dottedmag@dottedmag.net>
		Copyright © 2006-2007 The Written Word, Inc.
		Copyright <sup>©</sup> 2007 Eli Fant <elifantu@mail.ru></elifantu@mail.ru>
		Copyright <sup>©</sup> 2007-2018 Mikhail Gusarov <dottedmag@debian.org></dottedmag@debian.org>
		Copyright © 2008, 2009 Simon Josefsson
		Copyright <sup>©</sup> 2009 Daniel Stenberg
libssl1.1	1.1.1d-0+deb10u 3	Copyright (c) 1995-1998 Eric A. Young, Tim J. Hudson
		Copyright (c) 1998-2004 The OpenSSL Project
libstdc++6	8.3.0-6	(c) 2012 Canonical Ltd.
		Copyright (c) 1986, 1987, 1988, 1989, 1990-1999, 2000, 2001, 2002, 2003-2017, 2018, 2019 Free Software Foundation, Inc.
libstdc++6	5.4	Copyright (C) 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014 Free Software Foundation, Inc.

Package	Version	Copyright
libsystemd0	241-7~deb10u4	Copyright © 1995-2004 Miquel van Smoorenburg
		Copyright © 1999 Tom Tromey
		Copyright © 2000, 2005 Red Hat, Inc.
		Copyright © 2003 IBM Corp.
		Copyright © 2003-2004 Greg Kroah-Hartman <greg@kroah.com></greg@kroah.com>
		Copyright © 2003-2012 Kay Sievers <kay@vrfy.org></kay@vrfy.org>
		Copyright © 2004 Chris Friesen <chris_friesen@sympatico.ca></chris_friesen@sympatico.ca>
		Copyright © 2004, 2009, 2010 David Zeuthen <david@fubar.dk></david@fubar.dk>
		Copyright © 2005, 2006 SUSE Linux Products GmbH
		Copyright © 2007 Hannes Reinecke <hare@suse.de></hare@suse.de>
		Copyright © 2007-2013 Kay Sievers <kay@vrfy.org></kay@vrfy.org>
		Copyright © 2008 Ian Kent <raven@themaw.net></raven@themaw.net>
		Copyright © 2008 Red Hat, Inc.
		Copyright © 2008-2015 Kay Sievers <kay@vrfy.org></kay@vrfy.org>
		Copyright © 2009 Alan Jenkins <alan-jenkins@tuffmail.co.uk></alan-jenkins@tuffmail.co.uk>
		Copyright © 2009 Canonical Ltd.
		Copyright © 2009 Filippo Argiolas <filippo.argiolas@gmail.com></filippo.argiolas@gmail.com>
		Copyright © 2009 Martin Pitt <martin.pitt@ubuntu.com></martin.pitt@ubuntu.com>
		Copyright © 2009 Piter Punk <piterpunk@slackware.com></piterpunk@slackware.com>
		Copyright © 2009 Scott James Remnant <scott@netsplit.com></scott@netsplit.com>
		Copyright © 2009, 2010 Lennart Poettering
		Copyright © 2009-2015 Intel Corporation
		Copyright © 2010 Maarten Lankhorst
		Copyright © 2010 Maxim Levitsky
		Copyright © 2010 ProFUSION embedded systems
		Copyright © 2010-2013 Tollef Fog Heen <tfheen@debian.org></tfheen@debian.org>
		Copyright © 2010-2015 Harald Hoyer
		Copyright © 2010-2015 Lennart Poettering
		Copyright © 2011 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2011 Michal Schmidt
		Copyright © 2011 ProFUSION embedded systems
		Copyright © 2012 B. Poettering
		Copyright © 2012 Dan Walsh
		Copyright © 2012 Daniel J. Bernstein <djb@cr.yp.to></djb@cr.yp.to>
		Copyright © 2012 Holger Hans Peter Freyther
		Copyright © 2012 Jean-Philippe Aumasson <jeanphilippe.aumasson@gmail.com></jeanphilippe.aumasson@gmail.com>
		Copyright © 2012 Josh Triplett <josh@joshtriplett.org></josh@joshtriplett.org>
		Copyright © 2012 Roberto Sassu
		Copyright <sup>©</sup> 2012-2015 Zbigniew Jędrzejewski-Szmek <zbys-zek@in.waw.pl></zbys-zek@in.waw.pl>
		Copyright © 2013 David Strauss
		Copyright © 2013 Jan Janssen

Package	Version	Copyright
		Copyright © 2013 Marius Vollmer
		Copyright © 2013 Michael Stapelberg <stapelberg@debian.org></stapelberg@debian.org>
		Copyright © 2013 Simon Peeters
		Copyright © 2013 Tom Gundersen <teg@jklm.no></teg@jklm.no>
		Copyright <sup>©</sup> 2013, 2014 Daniel Buch
		Copyright <sup>©</sup> 2013, 2014 Thomas H.P. Andersen
		Copyright © 2013-2015 Daniel Mack
		Copyright © 2013-2015 David Herrmann
		Copyright © 2013-2015 Tom Gundersen <teg@jklm.no></teg@jklm.no>
		Copyright © 2013-2018 Michael Biebl  Siebl@debian.org>
		Copyright © 2014 Carlos Garnacho <carlosg@gnome.org></carlosg@gnome.org>
		Copyright © 2014 David Herrmann <dh.herrmann@gmail.com></dh.herrmann@gmail.com>
		Copyright © 2014 Susant Sahani
		Copyright © 2014 Zbigniew Jędrzejewski-Szmek <zbyszek@in.waw.pl></zbyszek@in.waw.pl>
		Copyright <sup>©</sup> Jens Axboe <axboe@suse.de></axboe@suse.de>
		Copyright <sup>©</sup> Linus Torvalds <torvalds@athlon.transmeta.com></torvalds@athlon.transmeta.com>
libtasn1-6	4.13-3	Copyright (C) 2000-2016 Free Software Foundation, Inc.
libtinfo6	6.1+20181013-2	Copyright (c) 1998-2018 Free Software Foundation, Inc.
	+deb10u2	Copyright 2001 by Pradeep Padala
		Copyright (C) 1994 X Consortium
		Copyright (c) 1980, 1991, 1992, 1993 The Regents of the University of California. All rights reserved.
		Copyright 1996-2018 by Thomas E. Dickey

Package	Version	Copyright
libudev1	241-7~deb10u4	Copyright © 1995-2004 Miquel van Smoorenburg
		Copyright © 1999 Tom Tromey
		Copyright © 2000, 2005 Red Hat, Inc.
		Copyright © 2003 IBM Corp.
		Copyright © 2003-2004 Greg Kroah-Hartman <greg@kroah.com></greg@kroah.com>
		Copyright © 2003-2012 Kay Sievers <kay@vrfy.org></kay@vrfy.org>
		Copyright © 2004 Chris Friesen <chris_friesen@sympatico.ca></chris_friesen@sympatico.ca>
		Copyright © 2004, 2009, 2010 David Zeuthen <david@fubar.dk></david@fubar.dk>
		Copyright © 2005, 2006 SUSE Linux Products GmbH
		Copyright © 2007 Hannes Reinecke <hare@suse.de></hare@suse.de>
		Copyright © 2007-2013 Kay Sievers <kay@vrfy.org></kay@vrfy.org>
		Copyright © 2008 Ian Kent <raven@themaw.net></raven@themaw.net>
		Copyright © 2008 Red Hat, Inc.
		Copyright © 2008-2015 Kay Sievers <kay@vrfy.org></kay@vrfy.org>
		Copyright © 2009 Alan Jenkins <alan-jenkins@tuffmail.co.uk></alan-jenkins@tuffmail.co.uk>
		Copyright © 2009 Canonical Ltd.
		Copyright © 2009 Filippo Argiolas <filippo.argiolas@gmail.com></filippo.argiolas@gmail.com>
		Copyright © 2009 Martin Pitt <martin.pitt@ubuntu.com></martin.pitt@ubuntu.com>
		Copyright © 2009 Piter Punk <piterpunk@slackware.com></piterpunk@slackware.com>
		Copyright © 2009 Scott James Remnant <scott@netsplit.com></scott@netsplit.com>
		Copyright © 2009, 2010 Lennart Poettering
		Copyright © 2009-2015 Intel Corporation
		Copyright © 2010 Maarten Lankhorst
		Copyright © 2010 Maxim Levitsky
		Copyright © 2010 ProFUSION embedded systems
		Copyright © 2010-2013 Tollef Fog Heen <tfheen@debian.org></tfheen@debian.org>
		Copyright © 2010-2015 Harald Hoyer
		Copyright © 2010-2015 Lennart Poettering
		Copyright © 2011 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2011 Michal Schmidt
		Copyright © 2011 ProFUSION embedded systems
		Copyright © 2012 B. Poettering
		Copyright © 2012 Dan Walsh
		Copyright © 2012 Daniel J. Bernstein <djb@cr.yp.to></djb@cr.yp.to>
		Copyright © 2012 Holger Hans Peter Freyther
		Copyright <sup>©</sup> 2012 Jean-Philippe Aumasson <jeanphilippe.aumasson@gmail.com></jeanphilippe.aumasson@gmail.com>
		Copyright © 2012 Josh Triplett <josh@joshtriplett.org></josh@joshtriplett.org>
		Copyright © 2012 Roberto Sassu
		Copyright <sup>©</sup> 2012-2015 Zbigniew Jędrzejewski-Szmek <zbys-zek@in.waw.pl></zbys-zek@in.waw.pl>
		Copyright © 2013 David Strauss
		Copyright © 2013 Jan Janssen

Package	Version	Copyright
		Copyright © 2013 Marius Vollmer
		Copyright © 2013 Michael Stapelberg <stapelberg@debian.org></stapelberg@debian.org>
		Copyright © 2013 Simon Peeters
		Copyright © 2013 Tom Gundersen <teg@jklm.no></teg@jklm.no>
		Copyright © 2013, 2014 Daniel Buch
		Copyright © 2013, 2014 Thomas H.P. Andersen
		Copyright © 2013-2015 Daniel Mack
		Copyright © 2013-2015 David Herrmann
		Copyright © 2013-2015 Tom Gundersen <teg@jklm.no></teg@jklm.no>
		Copyright © 2013-2018 Michael Biebl Siebl@debian.org>
		Copyright © 2014 Carlos Garnacho <carlosg@gnome.org></carlosg@gnome.org>
		Copyright © 2014 David Herrmann <dh.herrmann@gmail.com></dh.herrmann@gmail.com>
		Copyright © 2014 Susant Sahani
		Copyright © 2014 Zbigniew Jędrzejewski-Szmek <zbyszek@in.waw.pl></zbyszek@in.waw.pl>
		Copyright <sup>©</sup> Jens Axboe <axboe@suse.de></axboe@suse.de>
		Copyright <sup>©</sup> Linus Torvalds <torvalds@athlon.transmeta.com></torvalds@athlon.transmeta.com>
libunistring2	0.9.10-1	Copyright <sup>©</sup> 1994, X Consortium
		Copyright © 1999-2005 Adrian Aichner <adrian@xemacs.org></adrian@xemacs.org>
		Copyright <sup>©</sup> 1999-2005 Derek Price <derek@ximbiot.com>,</derek@ximbiot.com>
		Copyright <sup>©</sup> 1999-2005 Patrice Dumas <dumas@centre-cired.fr>,</dumas@centre-cired.fr>
		Copyright © 2009-2011 Andreas Rottmann <rotty@debian.org></rotty@debian.org>
		Copyright © 2017 Jörg Frings-Fürst <debian@jff.email></debian@jff.email>
libusb	1.0.0	Copyright (C) 2001 Johannes Erdfelt <johannes@erdfelt.com></johannes@erdfelt.com>
		Copyright (C) 2007-2009 Daniel Drake <dsd@gentoo.org></dsd@gentoo.org>
		Copyright (C) 2010-2012 Peter Stuge <peter@stuge.se></peter@stuge.se>
		Copyright (C) 2008-2013 Nathan Hjelm <hjelmn@users.source-forge.net></hjelmn@users.source-forge.net>
		Copyright (C) 2009-2013 Pete Batard <pete@akeo.ie></pete@akeo.ie>
		Copyright (C) 2009-2013 Ludovic Rousseau <ludovic.rous-seau@gmail.com></ludovic.rous-seau@gmail.com>
		Copyright (C) 2010-2012 Michael Plante <michael.plante@gmail.com></michael.plante@gmail.com>
		Copyright (C) 2011-2013 Hans de Goede <hdegoede@redhat.com></hdegoede@redhat.com>
		Copyright (C) 2012-2013 Martin Pieuchot <mpi@openbsd.org></mpi@openbsd.org>

Package	Version	Copyright
libusb-1.0-0	1.0.22-2	Copyright (C) 2001 Johannes Erdfelt (johannes@erdfelt.com)
		Copyright (C) 2007-2009 Daniel Drake (dsd@gentoo.org)
		Copyright (C) 2010-2012 Peter Stuge (peter@stuge.se)
		Copyright (C) 2008-2013 Nathan Hjelm (hjelmn@users.sourceforge.net)
		Copyright (C) 2009-2013 Pete Batard (pete@akeo.ie)
		Copyright (C) 2009-2013 Ludovic Rousseau (ludovic.rousseau@gmail.com)
		Copyright (C) 2010-2012 Michael Plante (michael.plante@gmail.com)
		Copyright (C) 2011-2013 Hans de Goede (hdegoede@redhat.com)
		Copyright (C) 2012-2013 Martin Pieuchot (mpi@openbsd.org)

Package	Version	Copyright
libuuid1	2.33.1-0.1	Copyright <sup>©</sup> 1980, 1987, 1988 The Regents of the University of California.
		Copyright <sup>©</sup> 1986 Gary S. Brown
		Copyright <sup>©</sup> 1987 Regents of the University of California
		Copyright <sup>©</sup> 1990 Gordon Irlam <gordoni@cs.ua.oz.au></gordoni@cs.ua.oz.au>
		Copyright <sup>©</sup> 1991, 1992 Linus Torvalds
		Copyright <sup>©</sup> 1991-2004 Miquel van Smoorenburg
		Copyright © 1992 A. V. Le Blanc <leblanc@mcc.ac.uk></leblanc@mcc.ac.uk>
		Copyright <sup>©</sup> 1992-1997 Michael K. Johnson, johnsonm@redhat.com
		Copyright © 1994 Kevin E. Martin <martin@cs.unc.edu></martin@cs.unc.edu>
		Copyright © 1994 Martin Schulze <joey@infodrom.north.de></joey@infodrom.north.de>
		Copyright © 1994 Salvatore Valente <svalente@mit.edu></svalente@mit.edu>
		Copyright © 1994,1996 Alessandro Rubini <rubini@ipvvis.unipv.it></rubini@ipvvis.unipv.it>
		Copyright © 1994-2005 Jeff Tranter <tranter@pobox.com></tranter@pobox.com>
		Copyright <sup>©</sup> 1995, 1999, 2000 Andries E. Brouwer <aeb@cwi.nl></aeb@cwi.nl>
		Copyright <sup>©</sup> 1996, 1997, 1998, 1999, 2007 Theodore Ts'o.
		Copyright <sup>©</sup> 1996, 2003 Rickard E. Faith <faith@acm.org></faith@acm.org>
		Copyright <sup>©</sup> 1997-2005 Frodo Looijaard <frodo@frodo.looijaard.name></frodo@frodo.looijaard.name>
		Copyright <sup>©</sup> 1998 Danek Duvall <duvall@alumni.princeton.edu></duvall@alumni.princeton.edu>
		Copyright <sup>©</sup> 1999 Andreas Dilger
		Copyright <sup>©</sup> 1999 Andreas Dilger <adilger@enel.ucalgary.ca></adilger@enel.ucalgary.ca>
		Copyright <sup>©</sup> 1999, 2000, 2002-2009, 2010, 2011, 2012, 2014 Red Hat, Inc.
		Copyright © 1999, 2000, Red Hat Software
		Copyright <sup>©</sup> 1999, 2001 Andries Brouwer
		Copyright © 1999-2002 Transmeta Corporation
		Copyright <sup>©</sup> 1999-2008 by Theodore Ts'o
		Copyright © 2000 Werner Almesberger
		Copyright © 2000-2001 Gunnar Ritter
		Copyright © 2001 Andreas Dilger
		Copyright © 2003, 2004, 2005 Thorsten Kukuk
		Copyright © 2003, 2004, 2005, 2008 Theodore Ts'o <tytso@mit.edu></tytso@mit.edu>
		Copyright © 2003-2005 H. Peter Anvin
		Copyright © 2004 Robert Love <rml@tech9.net></rml@tech9.net>
		Copyright © 2004-2006 Michael Holzt, kju -at- fqdn.org
		Copyright © 2005 Adrian Bunk
		Copyright © 2005 Jens Axboe <jens@axboe.dk></jens@axboe.dk>
		Copyright © 2007, 2011 SuSE LINUX Products GmbH
		Copyright <sup>©</sup> 2007-2013 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright <sup>©</sup> 2007-2014 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2008 Cai Qian <qcai@redhat.com></qcai@redhat.com>
		Copyright © 2008 Hayden A. James <hayden.james@gmail.com></hayden.james@gmail.com>

Package	Version	Copyright
		Copyright <sup>©</sup> 2008 James Youngman <jay@gnu.org></jay@gnu.org>
		Copyright <sup>©</sup> 2008 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright <sup>©</sup> 2008 Roy Peled, the.roy.peled -at- gmail.com
		Copyright © 2008-2009, 2010, 2011, 2012 Karel Zak <kzak@red-hat.com></kzak@red-hat.com>
		Copyright <sup>©</sup> 2008-2012 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2009 Mikhail Gusarov <dottedmag@dottedmag.net></dottedmag@dottedmag.net>
		Copyright © 2009-2014 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2010 Hajime Taira <htaira@redhat.com></htaira@redhat.com>
		Copyright <sup>©</sup> 2010 Jason Borden <jborden@bluehost.com>A</jborden@bluehost.com>
		Copyright <sup>©</sup> 2010 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2010 Lennart Poettering
		Copyright © 2010 Masatake Yamato <yamato@redhat.com></yamato@redhat.com>
		Copyright <sup>©</sup> 2010, 2011 Davidlohr Bueso <dave@gnu.org></dave@gnu.org>
		Copyright © 2010, 2011, 2012 Davidlohr Bueso <dave@gnu.org></dave@gnu.org>
		Copyright © 2010-2013 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2011 IBM Corp.
		Copyright <sup>©</sup> 2011 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright <sup>©</sup> 2012 Andy Lutomirski <luto@amacapital.net></luto@amacapital.net>
		Copyright <sup>©</sup> 2012 Cody Maloney <cmaloney@theoretical-chaos.com></cmaloney@theoretical-chaos.com>
		Copyright © 2012 Davidlohr Bueso <dave@gnu.org></dave@gnu.org>
		Copyright © 2012 Lennart Poettering
		Copyright <sup>©</sup> 2012 Ondrej Oprala <ooprala@redhat.com></ooprala@redhat.com>
		Copyright <sup>©</sup> 2012 Sami Kerola <kerolasa@iki.fi></kerolasa@iki.fi>
		Copyright <sup>©</sup> 2012 Werner Fink <werner@suse.de></werner@suse.de>
		Copyright © 2012-2013 Eric Biederman <ebiederm@xmission.com></ebiederm@xmission.com>
		Copyright <sup>©</sup> 2012-2014 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2013, Red Hat, Inc.
		Copyright © 2013,2014 Ondrej Oprala <ooprala@redhat.com></ooprala@redhat.com>
		Copyright © 2014 Ondrej Oprala <ooprala@redhat.com></ooprala@redhat.com>
		Copyright <sup>©</sup> Guy Maor <maor@debian.org></maor@debian.org>
		Copyright <sup>©</sup> Michal Luscon <mluscon@redhat.com></mluscon@redhat.com>
libzstd1	1.3.8+dfsg-3	Copyright <sup>©</sup> 1995-2006, 2011 Jean-loup Gailly
		Copyright © 2003-2008, Yuta Mori
		Copyright © 2004, 2005, 2010, 2011, 2012, 2013 Mark Adler
		Copyright © 2013-2018, Yann Collet
		Copyright © 2015-2016 Kevin Murray <spam@kdmurray.id.au></spam@kdmurray.id.au>
		Copyright <sup>©</sup> 2016, Przemyslaw Skibinski
		Copyright © 2016-2018, Facebook, Inc.
		Copyright <sup>©</sup> 2016-present, Yann Collet, Facebook, Inc.
		Copyright © 2017 Facebook

Package	Version	Copyright
login	4.5-1.1	Copyright (c) 1989 - 1994, Julianne Frances Haugh
		Copyright (c) 1996 - 2001, Marek Michałkiewicz
		Copyright (c) 2001 - 2006, Tomasz Kłoczko
		Copyright (c) 2007 - 2012, Nicolas François
		Copyright 1995 by Wietse Venema
		Copyright (c) 2004 The FreeBSD Project.
mawk	1.3.3-17+b3	Copyright (C) 1995-96 Chris Fearnley.
		Copyright (C) 1998-2003 James Troup.

Package	Version	Copyright
mount	2.33.1-0.1	Copyright <sup>©</sup> 1980, 1987, 1988 The Regents of the University of California.
		Copyright © 1986 Gary S. Brown
		Copyright <sup>©</sup> 1987 Regents of the University of California
		Copyright © 1990 Gordon Irlam <gordoni@cs.ua.oz.au></gordoni@cs.ua.oz.au>
		Copyright © 1991, 1992 Linus Torvalds
		Copyright <sup>©</sup> 1991-2004 Miquel van Smoorenburg
		Copyright <sup>©</sup> 1992 A. V. Le Blanc <leblanc@mcc.ac.uk></leblanc@mcc.ac.uk>
		Copyright <sup>©</sup> 1992-1997 Michael K. Johnson, johnsonm@redhat.com
		Copyright <sup>©</sup> 1994 Kevin E. Martin <martin@cs.unc.edu></martin@cs.unc.edu>
		Copyright © 1994 Martin Schulze <joey@infodrom.north.de></joey@infodrom.north.de>
		Copyright <sup>©</sup> 1994 Salvatore Valente <svalente@mit.edu></svalente@mit.edu>
		Copyright © 1994,1996 Alessandro Rubini <rubini@ipvvis.unipv.it></rubini@ipvvis.unipv.it>
		Copyright <sup>©</sup> 1994-2005 Jeff Tranter <tranter@pobox.com></tranter@pobox.com>
		Copyright <sup>©</sup> 1995, 1999, 2000 Andries E. Brouwer <aeb@cwi.nl></aeb@cwi.nl>
		Copyright <sup>©</sup> 1996, 1997, 1998, 1999, 2007 Theodore Ts'o.
		Copyright <sup>©</sup> 1996, 2003 Rickard E. Faith <faith@acm.org></faith@acm.org>
		Copyright <sup>©</sup> 1997-2005 Frodo Looijaard <frodo@frodo.looijaard.name></frodo@frodo.looijaard.name>
		Copyright <sup>©</sup> 1998 Danek Duvall <duvall@alumni.princeton.edu></duvall@alumni.princeton.edu>
		Copyright <sup>©</sup> 1999 Andreas Dilger
		Copyright © 1999 Andreas Dilger <adilger@enel.ucalgary.ca></adilger@enel.ucalgary.ca>
		Copyright <sup>©</sup> 1999, 2000, 2002-2009, 2010, 2011, 2012, 2014 Red Hat, Inc.
		Copyright <sup>©</sup> 1999, 2000, Red Hat Software
		Copyright <sup>©</sup> 1999, 2001 Andries Brouwer
		Copyright © 1999-2002 Transmeta Corporation
		Copyright © 1999-2008 by Theodore Ts'o
		Copyright © 2000 Werner Almesberger
		Copyright © 2000-2001 Gunnar Ritter
		Copyright © 2001 Andreas Dilger
		Copyright © 2003, 2004, 2005 Thorsten Kukuk
		Copyright © 2003, 2004, 2005, 2008 Theodore Ts'o <tytso@mit.edu></tytso@mit.edu>
		Copyright © 2003-2005 H. Peter Anvin
		Copyright © 2004 Robert Love <rml@tech9.net></rml@tech9.net>
		Copyright © 2004-2006 Michael Holzt, kju -at- fqdn.org
		Copyright <sup>©</sup> 2005 Adrian Bunk
		Copyright <sup>©</sup> 2005 Jens Axboe <jens@axboe.dk></jens@axboe.dk>
		Copyright © 2007, 2011 SuSE LINUX Products GmbH
		Copyright <sup>©</sup> 2007-2013 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2007-2014 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2008 Cai Qian <qcai@redhat.com></qcai@redhat.com>
		Copyright © 2008 Hayden A. James <hayden.james@gmail.com></hayden.james@gmail.com>

Copyright © 2008 James Youngman <jay@gnu.d -at-="" 2008="" 2008-2009,="" 2010,="" 2011,="" 2012="" <kzak@redhat.com="" copyright="" g="" hat.com="" karel="" peled,="" roy="" the.roy.peled="" zak="" ©=""> Copyright © 2008-2012 Karel Zak <kzak@redha 2009="" 2009-2014="" <dottedmag@="" <kzak@redha<="" copyright="" gusarov="" karel="" mikhail="" th="" zak="" ©=""><th>&gt; gmail.com Zak <kzak@red- ut.com&gt; @dottedmag.net&gt;</kzak@red- </th></kzak@redha></jay@gnu.d>	> gmail.com Zak <kzak@red- ut.com&gt; @dottedmag.net&gt;</kzak@red- 
Copyright © 2008 Roy Peled, the.roy.peled -at- © Copyright © 2008-2009, 2010, 2011, 2012 Karel hat.com> Copyright © 2008-2012 Karel Zak <kzak@redhat.com> Copyright © 2009 Mikhail Gusarov <dottedmag@< td=""><td>gmail.com Zak <kzak@red- at.com="">  @dottedmag.net&gt;</kzak@red-></td></dottedmag@<></kzak@redhat.com>	gmail.com Zak <kzak@red- at.com="">  @dottedmag.net&gt;</kzak@red->
Copyright © 2008-2009, 2010, 2011, 2012 Karel hat.com>  Copyright © 2008-2012 Karel Zak <kzak@redha 2009="" <dottedmag@<="" copyright="" gusarov="" mikhail="" td="" ©=""><td>Zak <kzak@red- ut.com&gt; @dottedmag.net&gt;</kzak@red- </td></kzak@redha>	Zak <kzak@red- ut.com&gt; @dottedmag.net&gt;</kzak@red- 
hat.com> Copyright © 2008-2012 Karel Zak <kzak@redha 2009="" <dottedmag@<="" copyright="" gusarov="" mikhail="" td="" ©=""><td>ut.com&gt; @dottedmag.net&gt;</td></kzak@redha>	ut.com> @dottedmag.net>
Copyright © 2009 Mikhail Gusarov <dottedmag@< td=""><td>@dottedmag.net&gt;</td></dottedmag@<>	@dottedmag.net>
	9
Copyright © 2009-2014 Karel Zak <kzak@redha< td=""><td>at com&gt;</td></kzak@redha<>	at com>
	11.00111
Copyright © 2010 Hajime Taira <htaira@redhat.c< td=""><td>com&gt;</td></htaira@redhat.c<>	com>
Copyright <sup>©</sup> 2010 Jason Borden <jborden@blue< td=""><td>host.com&gt;A</td></jborden@blue<>	host.com>A
Copyright <sup>©</sup> 2010 Karel Zak <kzak@redhat.com< td=""><td>&gt;</td></kzak@redhat.com<>	>
Copyright © 2010 Lennart Poettering	
Copyright <sup>©</sup> 2010 Masatake Yamato <yamato@< td=""><td>redhat.com&gt;</td></yamato@<>	redhat.com>
Copyright © 2010, 2011 Davidlohr Bueso <dave< td=""><td>@gnu.org&gt;</td></dave<>	@gnu.org>
Copyright © 2010, 2011, 2012 Davidlohr Bueso	<dave@gnu.org></dave@gnu.org>
Copyright <sup>©</sup> 2010-2013 Karel Zak <kzak@redha< td=""><td>ut.com&gt;</td></kzak@redha<>	ut.com>
Copyright © 2011 IBM Corp.	
Copyright <sup>©</sup> 2011 Karel Zak <kzak@redhat.com< td=""><td>&gt;</td></kzak@redhat.com<>	>
Copyright <sup>©</sup> 2012 Andy Lutomirski <luto@amaca< td=""><td>apital.net&gt;</td></luto@amaca<>	apital.net>
Copyright © 2012 Cody Maloney <cmaloney@thchaos.com></cmaloney@thchaos.com>	neoretical-
Copyright © 2012 Davidlohr Bueso <dave@gnu.< td=""><td>.org&gt;</td></dave@gnu.<>	.org>
Copyright © 2012 Lennart Poettering	
Copyright <sup>©</sup> 2012 Ondrej Oprala <ooprala@redh< td=""><td>nat.com&gt;</td></ooprala@redh<>	nat.com>
Copyright <sup>©</sup> 2012 Sami Kerola <kerolasa@iki.fi></kerolasa@iki.fi>	•
Copyright © 2012 Werner Fink <werner@suse.d< td=""><td>le&gt;</td></werner@suse.d<>	le>
Copyright © 2012-2013 Eric Biederman <ebiede< td=""><td>rm@xmission.com&gt;</td></ebiede<>	rm@xmission.com>
Copyright <sup>©</sup> 2012-2014 Karel Zak <kzak@redha< td=""><td>at.com&gt;</td></kzak@redha<>	at.com>
Copyright <sup>©</sup> 2013, Red Hat, Inc.	
Copyright © 2013,2014 Ondrej Oprala <ooprala< td=""><td>@redhat.com&gt;</td></ooprala<>	@redhat.com>
Copyright <sup>©</sup> 2014 Ondrej Oprala <ooprala@redh< td=""><td>nat.com&gt;</td></ooprala@redh<>	nat.com>
Copyright <sup>©</sup> Guy Maor <maor@debian.org></maor@debian.org>	
Copyright <sup>©</sup> Michal Luscon <mluscon@redhat.co< td=""><td>om&gt;</td></mluscon@redhat.co<>	om>
ncurses-base 6.1+20181013-2 Copyright (c) 1998-2018 Free Software Founda	tion, Inc.
+deb10u2 Copyright 2001 by Pradeep Padala	
Copyright (C) 1994 X Consortium	
Copyright (c) 1980, 1991, 1992, 1993 The Regel of California.	ents of the University
Copyright 1996-2018 by Thomas E. Dickey	

Package	Version	Copyright
ncurses-bin	6.1+20181013-2 +deb10u2	Copyright (c) 1998-2018 Free Software Foundation, Inc. Copyright 2001 by Pradeep Padala Copyright (C) 1994 X Consortium Copyright (c) 1980, 1991, 1992, 1993 The Regents of the University of California. Copyright 1996-2018 by Thomas E. Dickey
openssl	1.1.1d-0+deb10u 3	Copyright (c) 1998-2004 The OpenSSL Project Copyright (c) 1995-1998 Eric A. Young, Tim J. Hudson Copyright (c) 1998-2004 The OpenSSL Project. All rights reserved Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com)
passwd	4.5-1.1	Copyright 1988 - 1994, Julianne Frances Haugh. Copyright 1997 - 2001, Marek Micha?kiewicz. Copyright 2001 - 2004, Andrzej Krzysztofowicz Copyright 2000 - 2007, Tomasz K?oczko Copyright (C) 1992-2003 Free Software Foundation, Inc. Copyright 1995 by Wietse Venema
perl-base	5.28.1-6+deb10u	Copyright © 1995 Microsoft Corporation. All rights reserved. Copyright © 1995-2015 perl5 porters. Copyright © 1995-2016 Paul Marquess. All rights reserved. Copyright © 1996- by Andreas Koenig Copyright © 1996-2010 Julian Seward. All rights reserved Copyright © 1999 The Perl Journal. Copyright © 2001-2015, brian d foy, All Rights Reserved. Copyright © 2002 - 2009 Jos Boumans <kane@cpan.org>. All rights reserved. Copyright © 2002 by Ilya Zakharevich. Copyright © 2002,2003 Jarkko Hietaniemi Copyright © 2002,2003 Jarkko Hietaniemi Copyright © 2002-2014 Dan Kogai <dankogai@cpan.org> Copyright © 2003 by Fergal Daly <fergal@esatclear.ie>. Copyright © 2004, Nokia Copyright © 2005-2017 Paul Marquess. All rights reserved. Copyright © 2008-2009, Paul Fenwick <pjf@perltraining.com.au> Copyright © 2010 Gisle Aas <gisle@aas.no> Copyright © 2012, 2013, 2014 Copyright © 2013, 2014 The Board of Trustees of the Leland Stanford Junior University Copyright © 2013-2014, Niels Thykier <niels@thykier.net> Copyright © 2014 Paul Evans <leonerd@leonerd.org.uk>. All rights reserved Copyright © 2015 Michael LaGrasta and Dan Kogai Copyright © 2016 Russ Allbery <eagle@eyrie.org> Copyright © Ken Williams</eagle@eyrie.org></leonerd@leonerd.org.uk></niels@thykier.net></gisle@aas.no></pjf@perltraining.com.au></fergal@esatclear.ie></dankogai@cpan.org></kane@cpan.org>

Package	Version	Copyright
sed	4.7-1	Copyright 1989,90,91,92,93,94,95,98,99,2002,2003,2006,2008,2009,2010 Free Software Foundation, Inc.
sysvinit-utils	2.93-8	Copyright © 1996-2004 Miquel van Smoorenburg <miquels@cistron.nl></miquels@cistron.nl>
		Copyright <sup>©</sup> 1997-2005 Miquel van Smoorenburg <miquels@cistron.nl></miquels@cistron.nl>
		Copyright © 2005-2006 Petter Reinholdtsen <per@debian.org></per@debian.org>
		Copyright © 2006 Henrique de Moraes Holschuh <hmh@debian.org></hmh@debian.org>
		Copyright © 2006 Thomas Hood <jdthood@yahoo.co.uk></jdthood@yahoo.co.uk>
		Copyright © 2006-2007 Steinar H. Gunderson <sesse@debian.org></sesse@debian.org>
		Copyright © 2006-2010 Petter Reinholdtsen <per@debian.org></per@debian.org>
		Copyright © 2010-2012 Christian Perrier <bubble@debian.org></bubble@debian.org>
		Copyright © 2011,2016 Ben Hutchings <ben@decadent.org.uk></ben@decadent.org.uk>
		Copyright © 2011-2013 Roger Leigh <rleigh@debian.org></rleigh@debian.org>
		Copyright © 2012-2013 Steve Langasek <vorlon@debian.org></vorlon@debian.org>
		Copyright © 2014 Petter Reinholdtsen <pere@debian.org></pere@debian.org>
		Copyright © 2014 Robert Millan <rmh@debian.org></rmh@debian.org>
		Copyright © 2014 Thomas Goirand <zigo@debian.org></zigo@debian.org>
		Copyright © 2014-2018 Michael Biebl  biebl@debian.org>
		Copyright © 2015 Adam Conrad <adconrad@debian.org></adconrad@debian.org>
		Copyright © 2015-2016 Andreas Henriksson <andreas@fatal.se></andreas@fatal.se>
		Copyright © 2015-2016 Martin Pitt <mpitt@debian.org></mpitt@debian.org>
		Copyright © 2017 Ian Jackson <ijackson@chiark.greenend.org.uk></ijackson@chiark.greenend.org.uk>
		Copyright © 2018 Dmitry Bogatov <kaction@gnu.org></kaction@gnu.org>
		Copyright © 2018 Vincenzo (KatolaZ) Nicosia <katolaz@frea-knet.org></katolaz@frea-knet.org>
tar	1.30+dfsg-6	Copyright (C) 1988, 1992, 1993, 1994, 1995, 1996, 1997, 1999, 2000, 2001, 2003, 2004, 2005, 2006, 2007 Free Software Foundation, Inc.
		Copyright (C) 2006, 2007 Bdale Garbee bdale@gag.com

Package	Version	Copyright
tzdata 2	tzdata 2020a-0+deb10u 1	Copyright (c) 2002-2012 Software in the Public Interest, Inc.
		Copyright (c) 2011 GNU Libc Maintainers.
		Copyright (c) 2019 tzdata
		Copyright (C) Helge Kreutzmann debian@helgefjell.de, 2007, 2008.
		Copyright (C) Holger Wansing linux@wansing-online.de, 2010, 2011, 2013, 2016, 2017.
		Copyright (c) 2008 Christian Perrier bubulle@debian.org
		Copyright (c) 2011, 2012 the tzdata
		Copyright (c) 2006-2007 Praveen
		Copyright (c) 2005, 2008-2011 THE PACKAGE'S COPYRIGHT HOLDER
		Copyright (c) 2007 Ricardo Silva
		Copyright (C) 2009, 2011, 2012 THE tzdata'S COPYRIGHT HOLDER
		Copyright (c) 2008 Mert Dirik mertdirik@gmail.com

Package	Version	Copyright
util-linux	2.33.1-0.1	Copyright <sup>©</sup> 1980, 1987, 1988 The Regents of the University of California.
		Copyright © 1986 Gary S. Brown
		Copyright <sup>©</sup> 1987 Regents of the University of California
		Copyright © 1990 Gordon Irlam <gordoni@cs.ua.oz.au></gordoni@cs.ua.oz.au>
		Copyright <sup>©</sup> 1991, 1992 Linus Torvalds
		Copyright © 1991-2004 Miquel van Smoorenburg
		Copyright <sup>©</sup> 1992 A. V. Le Blanc <leblanc@mcc.ac.uk></leblanc@mcc.ac.uk>
		Copyright © 1992-1997 Michael K. Johnson, johnsonm@redhat.com
		Copyright © 1994 Kevin E. Martin <martin@cs.unc.edu></martin@cs.unc.edu>
		Copyright © 1994 Martin Schulze <joey@infodrom.north.de></joey@infodrom.north.de>
		Copyright © 1994 Salvatore Valente <svalente@mit.edu></svalente@mit.edu>
		Copyright © 1994,1996 Alessandro Rubini <rubini@ipvvis.unipv.it></rubini@ipvvis.unipv.it>
		Copyright © 1994-2005 Jeff Tranter <tranter@pobox.com></tranter@pobox.com>
		Copyright <sup>©</sup> 1995, 1999, 2000 Andries E. Brouwer <aeb@cwi.nl></aeb@cwi.nl>
		Copyright <sup>©</sup> 1996, 1997, 1998, 1999, 2007 Theodore Ts'o.
		Copyright © 1996, 2003 Rickard E. Faith <faith@acm.org></faith@acm.org>
		Copyright <sup>©</sup> 1997-2005 Frodo Looijaard <frodo@frodo.looijaard.name></frodo@frodo.looijaard.name>
		Copyright <sup>©</sup> 1998 Danek Duvall <duvall@alumni.princeton.edu></duvall@alumni.princeton.edu>
		Copyright <sup>©</sup> 1999 Andreas Dilger
		Copyright © 1999 Andreas Dilger <adilger@enel.ucalgary.ca></adilger@enel.ucalgary.ca>
		Copyright <sup>©</sup> 1999, 2000, 2002-2009, 2010, 2011, 2012, 2014 Red Hat, Inc.
		Copyright <sup>©</sup> 1999, 2000, Red Hat Software
		Copyright <sup>©</sup> 1999, 2001 Andries Brouwer
		Copyright © 1999-2002 Transmeta Corporation
		Copyright © 1999-2008 by Theodore Ts'o
		Copyright © 2000 Werner Almesberger
		Copyright © 2000-2001 Gunnar Ritter
		Copyright © 2001 Andreas Dilger
		Copyright © 2003, 2004, 2005 Thorsten Kukuk
		Copyright © 2003, 2004, 2005, 2008 Theodore Ts'o <tytso@mit.edu></tytso@mit.edu>
		Copyright © 2003-2005 H. Peter Anvin
		Copyright © 2004 Robert Love <rml@tech9.net></rml@tech9.net>
		Copyright © 2004-2006 Michael Holzt, kju -at- fqdn.org
		Copyright © 2005 Adrian Bunk
		Copyright © 2005 Jens Axboe <jens@axboe.dk></jens@axboe.dk>
		Copyright © 2007, 2011 SuSE LINUX Products GmbH
		Copyright © 2007-2013 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2007-2014 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2008 Cai Qian <qcai@redhat.com></qcai@redhat.com>
		Copyright © 2008 Hayden A. James <hayden.james@gmail.com></hayden.james@gmail.com>

Package	Version	Copyright
		Copyright © 2008 James Youngman <jay@gnu.org></jay@gnu.org>
		Copyright <sup>©</sup> 2008 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright <sup>©</sup> 2008 Roy Peled, the roy peled -at- gmail.com
		Copyright © 2008-2009, 2010, 2011, 2012 Karel Zak <kzak@red-hat.com></kzak@red-hat.com>
		Copyright <sup>©</sup> 2008-2012 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2009 Mikhail Gusarov <dottedmag@dottedmag.net></dottedmag@dottedmag.net>
		Copyright © 2009-2014 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright <sup>©</sup> 2010 Hajime Taira <htaira@redhat.com></htaira@redhat.com>
		Copyright <sup>©</sup> 2010 Jason Borden <jborden@bluehost.com>A</jborden@bluehost.com>
		Copyright <sup>©</sup> 2010 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2010 Lennart Poettering
		Copyright <sup>©</sup> 2010 Masatake Yamato <yamato@redhat.com></yamato@redhat.com>
		Copyright <sup>©</sup> 2010, 2011 Davidlohr Bueso <dave@gnu.org></dave@gnu.org>
		Copyright <sup>©</sup> 2010, 2011, 2012 Davidlohr Bueso <dave@gnu.org></dave@gnu.org>
		Copyright <sup>©</sup> 2010-2013 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2011 IBM Corp.
		Copyright <sup>©</sup> 2011 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2012 Andy Lutomirski <luto@amacapital.net></luto@amacapital.net>
		Copyright © 2012 Cody Maloney <cmaloney@theoretical-chaos.com></cmaloney@theoretical-chaos.com>
		Copyright © 2012 Davidlohr Bueso <dave@gnu.org></dave@gnu.org>
		Copyright © 2012 Lennart Poettering
		Copyright <sup>©</sup> 2012 Ondrej Oprala <ooprala@redhat.com></ooprala@redhat.com>
		Copyright <sup>©</sup> 2012 Sami Kerola <kerolasa@iki.fi></kerolasa@iki.fi>
		Copyright <sup>©</sup> 2012 Werner Fink <werner@suse.de></werner@suse.de>
		Copyright © 2012-2013 Eric Biederman <ebiederm@xmission.com></ebiederm@xmission.com>
		Copyright <sup>©</sup> 2012-2014 Karel Zak <kzak@redhat.com></kzak@redhat.com>
		Copyright © 2013, Red Hat, Inc.
		Copyright © 2013,2014 Ondrej Oprala <ooprala@redhat.com></ooprala@redhat.com>
		Copyright © 2014 Ondrej Oprala <ooprala@redhat.com></ooprala@redhat.com>
		Copyright <sup>©</sup> Guy Maor <maor@debian.org></maor@debian.org>
		Copyright <sup>©</sup> Michal Luscon <mluscon@redhat.com></mluscon@redhat.com>
vfprintf.c	1.37	Copyright (c) 1990, The Regents of the University of California
vfscanf.c	1.21	Copyright (c) 1990, 1993, The Regents of the University of California.
zlib1g	1.2.11.dfsg-1	Copyright <sup>©</sup> 1995-2013 Jean-loup Gailly and Mark Adler
		Copyright <sup>©</sup> 1998 by Andreas R. Kleinert
		Copyright © 1998-2010 Gilles Vollant
		Copyright © 2000-2017 Mark Brown
		Copyright © 2007-2008 Even Rouault
		Copyright © 2009-2010 Mathias Svensson
		T-F7g.n555 _5 .5dailad Gronoson