



u.trust Anchor

License Texts

Imprint

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1 Introduction

The Utimaco u.trust Anchor package uses some Open Source components. This document lists the Open Source components, their type of use and includes the license text.

The license texts of some of the distributed open source software components require that a machine-readable copy of the corresponding source code is made available to any third party upon request.

If you require a copy of the corresponding source code please send a formal request to support@utimaco.com and register for the Utimaco Support Portal on <https://support.hsm.utimaco.com/support> to be able to download the source code copy after your request has been approved.

2 License Table

Package	Version	License
acl	2.2.53	LGPLv2.1+
apparmor	2.13.4	GPLv2 & GPLv2+ & BSD-3-Clause & LGPLv2.1+ *
arm-trusted-firmware	1.4-xilinx-v2018.2 gitAUTOINC+93a69a5a3b	BSD
attr	2.4.48	LGPLv2.1+
base-files	3.0.14	GPLv2
base-passwd	3.5.29	GPLv2
busybox	1.31.1	GPLv2 & bzip2-1.0.6
bzip2	1.0.8	bzip2-1.0.6
cgroup-lite	1.15	GPLv2
chrony	3.5	GPLv2
cronie	1.5.5	ISC & BSD-3-Clause & BSD-2-Clause & GPLv2+
cryptodev-module	1.10	GPLv2
dash	0.5.10.2	BSD & GPLv2+
device-tree	xilinx gitAUTOINC+73e546e312	GPLv2
dtc	1.4.5	GPLv2 BSD
e2fsprogs	1.45.4	GPLv2 & LGPLv2 & BSD & MIT
eudev	3.2.9	GPLv2.0+ & LGPL-2.1+
fsccryptctl	0.1.0	Apache-2.0
gcc-runtime	9.3.0	GPL-3.0-with-GCC-exception
gcc-sanitizers	9.3.0	NCSA MIT
glib-2.0	2.62.6	LGPLv2.1+ & BSD & PD
glibc	2.31 gitAUTOINC+6fdf971c9d	GPLv2 & LGPLv2.1 *
init-ifupdown	1.0	GPLv2
initscripts	1.0	GPLv2
kernel-module-pcie	0.9.11	GPLv2

Package	Version	License
kernel-module-pl-rng	1.0	GPLv2
kernel-module-silex-gdma	1.0	GPLv2
kernel-module-smem	0.2	GPLv2
kernel-module-version	1.0	GPLv2
kernel-module-xr9200	1.0	GPLv2
kexec-tools	2.0.20	GPLv2
keyutils	1.6.1	LGPLv2.1+ & GPLv2.0+ *
kmod	26	LGPL-2.1+
lib32-glibc	2.31	GPLv2 & LGPLv2.1
	gitAUTOINC+6fdf971c9d	
lib32-smem-tests	0.2	GPLv2
libarchive	3.4.2	BSD-2-Clause
libcap	2.32	BSD GPLv2
libedit	20191231-3.1	BSD-3-Clause
libffi	3.3	MIT
libgcc	9.3.0	GPL-3.0-with-GCC-exception
libgcrypt	1.8.5	LGPLv2.1+
libgpg-error	1.37	GPLv2+ & LGPLv2.1+
libjitterentropy	2.2.0	GPLv2+ BSD
libpcre	8.44	BSD-3-Clause
libseccomp	2.4.3	LGPL-2.1 *
libtirpc	1.2.6	BSD-3-Clause
libubootenv	0.3.1	LGPL-2.1
libxcrypt	4.4.15	LGPLv2.1
libxml2	2.9.10	MIT
linux-utimaco	5.4.97	GPLv2
	gitAUTOINC+5e1942063d	
lxc	4.0.2	LGPLv2.1 & GPLv2 *
lz4	1.9.2	BSD BSD-2-Clause GPL-2.0
lzo	2.10	GPLv2+
modutils-initscripts	1.0	PD

Package	Version	License
mtd-utils	2.1.1	GPLv2+
ncurses	6.2	MIT
netbase	6.1	GPLv2
openrc	0.42.1	BSD-2-Clause
openssh	8.2p1	BSD & ISC & MIT
openssl	1.1.1g	openssl
opkg-utils	0.4.2	GPLv2+
procps	3.3.16	GPLv2+ & LGPLv2+
python3	3.8.2	PSFv2
quota	4.05	BSD & GPLv2+ & LGPLv2.1+
rauc	1.4	LGPLv2.1
rng-tools	6.9	GPLv2
run-postinsts	1.0	MIT
shadow	4.8.1	BSD Artistic-1.0
shadow-securetty	4.6	MIT
smem-tests	0.2	GPLv2
squashfs-tools	4.4	GPL-2
sysfsutils	2.1.0	LGPLv2.1
syslog-ng	3.24.1	GPLv2 & LGPLv2.1
sysvinit	2.96	GPLv2+
sysvinit-inittab	2.88dsf	GPLv2
u-boot-tools	2020.01	GPLv2+
u-boot-xlnx	v2019.01-xilinx-v2019.1 gitAUTOINC+d895ac5e94	GPLv2+
udev-extraconf	1.1	MIT
update-rc.d	0.8	GPLv2+
util-linux	2.35.1	GPLv2+ & LGPLv2.1+ & BSD-3-Clause & BSD-4-Clause
xz	5.2.4	PD
zlib	1.2.11	Zlib
zstd	1.4.5	BSD-3-Clause & GPLv2

3 License Texts

3.1 acl

3.1.1 COPYING.LGPL

Most components of the "acl" package are licensed under Version 2.1 of the GNU Lesser General Public License (see below). below.

Some components (as annotated in the source) are licensed under Version 2 of the GNU General Public License (see COPYING).

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Version 2.1, February 1999

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[This is the first released version of the Lesser GPL. It also counts
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```

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<signature of Ty Coon>, 1 April 1989
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```

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```
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```

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```
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```
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Ty Coon, President of Vice
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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3.5 base-files

3.5.1 GPL-2

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```
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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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3.6 base-passwd

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```

```
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```

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3.9 cgroup-lite

3.9.1 copyright

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3.10 chrony

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3.11 cronie

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3.12 cryptodev-module

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3.14 device-tree

3.14.1 xadcps.mdd

```
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#

OPTION psf_version = 3.0;

BEGIN driver xadcps

    OPTION supported_peripherals = (ps7_xadc);
    OPTION supported_os_types = (DTS);
    OPTION driver_state = ACTIVE;
    OPTION NAME = xadcps;

END driver
```

3.15 dtc

3.15.1 libfdt.h

```

/*
 * libfdt - Flat Device Tree manipulation
 * Copyright (C) 2006 David Gibson, IBM Corporation.
 *
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 *
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```

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3.16 e2fsprogs

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Theodore Ts'o
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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.>
Copyright (C) <year> <name of author>
```

```
This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.
```

```
This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.
```

```
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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

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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

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

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- 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.
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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 a brief 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.
```

```
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but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Library General Public License for more details.
```

```
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Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
```

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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!

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3.16.3 e2p.h

```
/*  
 * e2p.h --- header file for the e2p library  
 *  
 * %Begin-Header%  
 * This file may be redistributed under the terms of the GNU Library  
 * General Public License, version 2.  
 * %End-Header%
```

3.16.4 et_name.c

```
/*
 * Copyright 1987 by MIT Student Information Processing Board
 *
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 * M.I.T. S.I.P.B. make no representations about the suitability of
 * this software for any purpose. It is provided "as is" without
 * express or implied warranty.
```

3.16.5 ext2fs.h

```
/*
 * ext2fs.h --- ext2fs
 *
 * Copyright (C) 1993, 1994, 1995, 1996 Theodore Ts'o.
 *
 * %Begin-Header%
 * This file may be redistributed under the terms of the GNU Library
 * General Public License, version 2.
 * %End-Header%
```

3.16.6 ss.h

```
/*
 * Copyright 1987, 1988 by MIT Student Information Processing Board
 *
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 * its documentation for any purpose is hereby granted, provided that
 * the names of M.I.T. and the M.I.T. S.I.P.B. not be used in
 * advertising or publicity pertaining to distribution of the software
 * without specific, written prior permission. M.I.T. and the
 * M.I.T. S.I.P.B. make no representations about the suitability of
 * this software for any purpose. It is provided "as is" without
 * express or implied warranty.
 *
 * This quote is just too good to not pass on:
 *
 *      "BTW, I would have rejected the name Story Server because its
 *      initials are SS, the name of the secret police in Nazi
 *      Germany, probably the most despised pair of letters in western
 *      culture." --- http://scriptingnewsarchive.userland.com/1999/12/13
 *
 * Let no one say political correctness isn't dead....
```

3.16.7 uuid.h.in

```
/*
 * Public include file for the UUID library
 *
 * Copyright (C) 1996, 1997, 1998 Theodore Ts'o.
 *
 * %Begin-Header%
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 * modification, are permitted provided that the following conditions
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 *
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 * 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.
 * %End-Header%
```

3.17 eudev

3.17.1 COPYING

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3.18 fscryptctl

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3.19 gcc-runtime

3.19.1 COPYING.LIB

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

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

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- 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.
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```
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```

```
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Ty Coon, President of Vice
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```

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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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3.19.4 COPYING.RUNTIME

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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3.20 gcc-sanitizers

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=====
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3.21 glib-2.0

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3.21.2 glib.h

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3.21.3 pcre.h

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3.21.4 gmodule.h

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3.22 glibc

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3.24 initscripts

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3.25 kernel-module-pcie

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3.26 kernel-module-pl-rng

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3.27 kernel-module-silex-gdma

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3.28 kernel-module-smem

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3.29 kernel-module-version

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3.30 kernel-module-xr9200

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3.31 kexec-tools

3.31.1 kexec.c

```
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 *
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 *
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3.32 keyutils

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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.>
Copyright (C) 19yy <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.
```

```
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```

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```

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If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
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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
```

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3.32.2 LICENCE.LGPL

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"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.

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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.

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

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany

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

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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.

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```

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```
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```

```
<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice
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That's all there is to it!

3.33 kmod

3.33.1 COPYING

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```

```
<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice
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3.34 lib32-glibc

3.34.1 COPYING

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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.

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

```
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(at your option) any later version.
```

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```
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`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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```

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```
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library `Frob' (a library for tweaking knobs) written by James Random Hacker.
```

```
<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice
```

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3.40 libgcc

3.40.1 COPYING.LIB

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3.41 libgcrypt

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```

```
<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice
```

That's all there is to it!

3.42 libgpg-error

3.42.1 gpg-error.h.in

```
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3.42.2 init.c

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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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```

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice
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That's all there is to it!

3.43 libjitterentropy

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```

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```
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
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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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3.44 libpcre

3.44.1 LICENCE

PCRE LICENCE

PCRE is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language.

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The basic library functions are written in C and are freestanding. Also included in the distribution is a set of C++ wrapper functions, and a just-in-time compiler that can be used to optimize pattern matching. These are both optional features that can be omitted when the library is built.

THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

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Cambridge, England.

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3.46 libtirpc

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```

3.46.2 netname.c

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 */
```

3.47 libubootenv

3.47.1 lgpl-2.1.txt

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```

```
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Ty Coon, President of Vice
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3.48 libxcrypt

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Ty Coon, President of Vice
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test-crypt-md5.c, test-crypt-sha256.c, test-crypt-sha512.c,
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test-crypt-nthash.c (adaption of test-crypt-des.c),
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3.49 libxml2

3.49.1 hash.c

```
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3.50 linux-utimaco

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3.51 lxc

3.51.1 LICENSE.GPL2

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```

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```
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```

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This is free software, and you are welcome to redistribute it
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```

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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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3.56 ncurses

3.56.1 version.c

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 */
```

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3.58 openrc

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3.59 openssh

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```

[Tatu continues]

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```
* @version 3.0 (December 2000)
*
* Optimised ANSI C code for the Rijndael cipher (now AES)
*
* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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3.60 openssl

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3.61 opkg-utils

3.61.1 opkg.py

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```
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```

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```
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```

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

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

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the

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3.63 python3

3.63.1 LICENSE

A. HISTORY OF THE SOFTWARE

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

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

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

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

Footnotes:

- (1) GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.
- (2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1

is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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3.64 quota

3.64.1 rquota_server.c

```
/*
 * QUOTA    An implementation of the diskquota system for the LINUX
 *           operating system. QUOTA is implemented using the BSD syscall
 *           interface as the means of communication with the user level.
 *           Should work for all filesystems because of integration into the
 *           VFS layer of the operating system.
 *           This is based on the Melbourne quota system wich uses both user and
 *           group quota files.
 *
 *           This part does the lookup of the info.
 *
 * Author:   Marco van Wieringen <mvw@planets.elm.net>
 *
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 *           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.
 */

#include "config.h"
```

3.64.2 svc_socket.c

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Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA  
02111-1307 USA. */
```

3.65 rauc

3.65.1 COPYING

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3.66 rng-tools

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```
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```

```
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Ty Coon, President of Vice
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3.67 run-postinsts

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3.68 shadow

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3.69 shadow-securetty

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3.70 smem-tests

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3.73 syslog-ng

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====

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3.74 sysvinit

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

```
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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.
```

```
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```

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```

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```
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.
```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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3.75 sysvinit-inittab

3.75.1 GPL-2.0

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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

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```
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(which makes passes at compilers) written
by James Hacker.
```

signature of Ty Coon, 1 April 1989

Ty Coon, President of Vice

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3.76 u-boot-tools

3.76.1 README

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If a "SPDX-License-Identifier:" line references more than one Unique License Identifier, then this means that the respective file can be used under the terms of either of these licenses, i. e. with

SPDX-License-Identifier: GPL-2.0+ OR BSD-3-Clause

you can choose between GPL-2.0+ and BSD-3-Clause licensing.

We use the SPDX Unique License Identifiers here; these are available at [2].

License identifier syntax

1. Placement:

The SPDX license identifier in U-Boot files shall be added at the first possible line in a file which can contain a comment. For the majority or files this is the first line, except for scripts which require the '#!PATH_TO_INTERPRETER' in the first line. For those scripts the SPDX identifier goes into the second line.

|

2. Style:

The SPDX license identifier is added in form of a comment. The comment style depends on the file type::

```
C source: // SPDX-License-Identifier: <SPDX License Expression>
C header: /* SPDX-License-Identifier: <SPDX License Expression> */
ASM:      /* SPDX-License-Identifier: <SPDX License Expression> */
scripts:  # SPDX-License-Identifier: <SPDX License Expression>
.rst:     .. SPDX-License-Identifier: <SPDX License Expression>
.dts{i}:  // SPDX-License-Identifier: <SPDX License Expression>
```

If a specific tool cannot handle the standard comment style, then the appropriate comment mechanism which the tool accepts shall be used. This is the reason for having the `"/* */"` style comment in C header files. There was build breakage observed with generated `.lds` files where `'ld'` failed to parse the C++ comment. This has been fixed by now, but there are still older assembler tools which cannot handle C++ style comments.

|

3. Syntax:

A `<SPDX License Expression>` is either an SPDX short form license identifier found on the SPDX License List, or the combination of two SPDX short form license identifiers separated by "WITH" when a license exception applies. When multiple licenses apply, an expression consists of keywords "AND", "OR" separating sub-expressions and surrounded by `"(", ")"`.

License identifiers for licenses like [L]GPL with the 'or later' option are constructed by using a `"+"` for indicating the 'or later' option::

```
// SPDX-License-Identifier: GPL-2.0+
// SPDX-License-Identifier: LGPL-2.1+
```

WITH should be used when there is a modifier to a license needed. For example, the linux kernel UAPI files use the expression::

```
// SPDX-License-Identifier: GPL-2.0 WITH Linux-syscall-note
// SPDX-License-Identifier: GPL-2.0+ WITH Linux-syscall-note
```

Other examples using WITH exceptions found in the linux kernel are::

```
// SPDX-License-Identifier: GPL-2.0 WITH mif-exception
// SPDX-License-Identifier: GPL-2.0+ WITH GCC-exception-2.0
```

Exceptions can only be used with particular License identifiers. The valid License identifiers are listed in the tags of the exception text

file.

OR should be used if the file is dual licensed and only one license is to be selected. For example, some dtsti files are available under dual licenses::

```
// SPDX-License-Identifier: GPL-2.0 OR BSD-3-Clause
```

Examples from U-Boot for license expressions in dual licensed files::

```
// SPDX-License-Identifier: GPL-2.0 OR MIT
// SPDX-License-Identifier: GPL-2.0+ OR BSD-3-Clause
```

AND should be used if the file has multiple licenses whose terms all apply to use the file. For example, if code is inherited from another project and permission has been given to put it in U-Boot, but the original license terms need to remain in effect::

```
// SPDX-License-Identifier: (GPL-2.0 WITH Linux-syscall-note) AND MIT
```

Another other example where both sets of license terms need to be adhered to is::

```
// SPDX-License-Identifier: GPL-1.0+ AND LGPL-2.1+
```

[1] <http://spdx.org/>

[2] <http://spdx.org/licenses/>

Full name	SPDX Identifier	OSI Approved	File name
GNU General Public License v2.0 only	GPL-2.0	Y	gpl-2.0.txt
GNU General Public License v2.0 or later	GPL-2.0+	Y	gpl-2.0.txt
GNU Library General Public License v2 or later	LGPL-2.0+	Y	lgpl-2.0.txt
GNU Lesser General Public License v2.1 or later	LGPL-2.1+	Y	lgpl-2.1.txt
eCos license version 2.0	eCos-2.0		eCos-2.0.txt
BSD 2-Clause License	BSD-2-Clause	Y	bsd-2-clause.txt
BSD 3-clause "New" or "Revised" License	BSD-3-Clause	Y	bsd-3-clause.txt
IBM PIBS (PowerPC Initialization and Boot Software) license	IBM-pibs		ibm-pibs.txt
ISC License	ISC	Y	isc.txt
SIL OPEN FONT LICENSE (OFL-1.1)	OFL-1.1	Y	OFL.txt
X11 License	X11		x11.txt

3.77 u-boot-xlnx

3.77.1 README

```
# SPDX-License-Identifier: GPL-2.0+  
#  
# (C) Copyright 2000 - 2013  
# Wolfgang Denk, DENX Software Engineering, wd@denx.de.
```

3.78 udev-extraconf

3.78.1 COPYING.MIT

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3.79 update-rc.d

3.79.1 update-rc.d

```
# (c) 2003, 2004 Phil Blundell <pb@handhelds.org>
#
# SPDX-License-Identifier: GPL-2.0-or-later
#

initd="/etc/init.d"
etcld="/etc/rc"
notreally=0
force=0
dostart=0
verbose=0
```

3.80 util-linux

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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.

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- 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.

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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.

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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.

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```
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Ty Coon, President of Vice
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3.81 xz

3.81.1 COPYING.LGPLv2.1

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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.

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"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.

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- 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.
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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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.

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

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

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

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

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

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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.

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- 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.
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```
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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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3.81.5 getopt.c

```
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   NOTE: getopt is now part of the C library, so if you don't know what
   "Keep this file name-space clean" means, talk to drepper@gnu.org
   before changing it!
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#ifndef _LIBC
```

3.82 zlib

3.82.1 zlib.h

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Jean-loup Gailly
jloup@gzip.org

Mark Adler
madler@alumni.caltech.edu

3.83 zstd

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