Cherry ST-1506
Licenses of used OpenSource packages
OS_LICENSES

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1 Free Software Licenses

1.1 Used Free Software packages

Table 1.1: Target packages

Package	Version	Licenses
FreeRTOS	v10.1.1	MIT
aho-corasick - rust	0.7.18	Unlicense/MIT
ansi_term - rust	0.12.1	MIT
arm-trusted-firmware	84d36e1719 2082ed80ed a66b0e0082 cdfc4aa2b5	BSD-3-Clause
atty - rust	0.2.14	MIT
autocfg - rust	1.1.0	Apache-2.0 OR MIT
avahi	0.8	LGPL-2.1+
base64 - rust	0.13.0	MIT/Apache-2.0
bindgen - rust	0.59.2	BSD-3-Clause
bitflags - rust	1.3.2	MIT/Apache-2.0
bitstream-vera	1.10	BitstreamVera
bitvec - rust	0.22.3	MIT
busybox	1.35.0	GPL-2.0, bzip2-1.0.4
byteorder - rust	1.4.3	Unlicense OR MIT
bzip2	1.0.8	bzip2 license
cantarell	0.0.25	OFL-1.1
cbindgen - rust	0.9.1	MPL-2.0
cc - rust	1.0.73	MIT/Apache-2.0
ccid	1.4.34	LGPL-2.1+
cexpr - rust	0.6.0	Apache-2.0/MIT
cfg-if - rust	1.0.0	MIT/Apache-2.0
chrono - rust	0.4.19	MIT/Apache-2.0
clang-sys - rust	1.3.1	Apache-2.0
clap - rust	2.34.0	MIT
coreutils	9.0	GPL-3.0+
crossbeam - rust	0.8.1	MIT OR Apache-2.0
crossbeam-channel - rust	0.5.4	MIT OR Apache-2.0
crossbeam-deque - rust	0.8.1	MIT OR Apache-2.0
crossbeam-epoch - rust	0.9.8	MIT OR Apache-2.0
crossbeam-queue - rust	0.3.5	MIT OR Apache-2.0
crossbeam-utils - rust	0.8.8	MIT OR Apache-2.0
darling - rust	0.12.4	MIT

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Table 1.1 – continued from previous page

Package	Version	Licenses
darling_core - rust	0.12.4	MIT
darling_macro - rust	0.12.4	MIT
davici	1.4	LGPL-2.1+
dejavu	2.37	BitstreamVera, Arev Fonts License
derive_builder - rust	0.10.2	MIT/Apache-2.0
derive_builder_core - rust	0.10.2	MIT/Apache-2.0
derive_builder_macro - rust	0.10.2	MIT/Apache-2.0
dfu-util	0.11	GPL-2.0+, LGPL-3.0
e2fsprogs	1.46.5	GPL-2.0, MIT-like with advertising clause (libss and libet)
either - rust	1.6.1	MIT/Apache-2.0
env_logger - rust	0.9.0	MIT/Apache-2.0
eudev	3.2.11	GPL-2.0+ (programs), LGPL-2.1+ (libraries)
expat	2.5.0	MIT
fastrand - rust	1.7.0	Apache-2.0 OR MIT
fnv - rust	1.0.7	Apache-2.0 / MIT
font-awesome	4.7.0	OFL-1.1 (font), MIT (CSS, LESS and Sass files)
fontconfig	2.13.1	fontconfig license
form_urlencoded - rust	1.0.1	MIT/Apache-2.0
freetype	2.11.1	Dual FTL/GPL-2.0+
funty - rust	1.2.0	MIT
gawk	5.1.1	GPL-3.0+
getrandom - rust	0.2.6	MIT OR Apache-2.0
getrandom-0.1.16 - rust	0.1.16	MIT OR Apache-2.0
ghostscript-fonts	8.11	GPL-2.0
glob - rust	0.3.0	MIT/Apache-2.0
gpio - rust	0.4.1	MIT
hermit-abi - rust	0.1.19	MIT/Apache-2.0
hex - rust	0.4.3	MIT OR Apache-2.0
humantime - rust	2.1.0	MIT/Apache-2.0
i2c-linux - rust	0.1.2	MIT
i2c-linux-sys - rust	0.2.0	MIT
icu	70-1	ICU License
ident_case - rust	1.0.1	MIT/Apache-2.0
idna - rust	0.2.3	MIT/Apache-2.0
inconsolata	001.010	OFL-1.0
instant - rust	0.1.12	BSD-3-Clause
itoa - rust	1.0.1	MIT OR Apache-2.0
jpeg-turbo	2.1.2	IJG (libjpeg), BSD-3-Clause (TurboJPEG), Zlib (SIMD)
jq	a17dd3248a666d01be75f6b16be37e80e20b0954	MIT (code), ICU (decNumber), CC-BY-3.0 (documentation)

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Package	Version	Licenses
json-pointer - rust	0.3.4	MIT
jsonway - rust	2.0.0	MIT
kmod	29	LGPL-2.1+ (library)
lazy_static - rust	1.4.0	MIT/Apache-2.0
lazycell - rust	1.3.0	MIT/Apache-2.0
libc - rust	0.2.121	MIT OR Apache-2.0
libcap	2.62	GPL-2.0 or BSD-3-Clause
libcap-ng	0.8.2	GPL-2.0+ (programs), LGPL-2.1+ (library)
libcurl	7.87.0	curl
libdaemon	0.14	LGPL-2.1+
libdrm	2.4.109	MIT
liberation	2.1.5	OFL-1.1
libevdev	1.12.1	MIT
libevent	2.1.12	BSD-3-Clause, OpenBSD
libifdse	280ecbe1a2 cd5a62c7fa dc602ea525 26edca35d4	MIT
libloading - rust	0.7.3	ISC
libmnl	1.0.5	LGPL-2.1+
libnftnl	1.2.1	GPL-2.0+
libopenssl	1.1.1t	OpenSSL or SSLeay
libpng	1.6.37	Libpng-2.0
libpthread-stubs	0.4	MIT
libudev-sys - rust	0.1.4	MIT
libusb	1.0.25	LGPL-2.1+
libusb1-sys - rust	0.6.0	MIT
libwebsockets	4.0.21	MIT with exceptions
libzlib	1.2.12	Zlib
linenoise	97d2850af1 3c33936909 3b78abe526 5845d78220	BSD-2-Clause
linux	eed65d4e58 373e2a05f4 8838f6262c 398eec03b4	GPL-2.0
log - rust	0.4.16	MIT OR Apache-2.0
matches - rust	0.1.9	MIT
mbed TLS	v2.23.0	Apache-2.0
memchr - rust	2.4.1	Unlicense/MIT
memoffset - rust	0.6.5	MIT
mesa3d	21.3.5	MIT, SGI, Khronos
minimal-lexical - rust	0.2.1	MIT/Apache-2.0
neli - rust	0.6.3	BSD-3-Clause
neli-proc-macros - rust	0.1.4	BSD-3-Clause

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Package	Version	Licenses
newlib	v3.0.0	Various, see licenses file below.
nftables	1.0.1	GPL-2.0
nix - rust	0.23.1	MIT
nom - rust	7.1.1	MIT
ntp	4.2.8p15	NTP
num-integer - rust	0.1.44	MIT OR Apache-2.0
num-traits - rust	0.2.14	MIT OR Apache-2.0
optee-client	3.15.0	BSD-2-Clause
optee-os	7348a05835 7f9f7d2b35 5b59d24a25 a28987f601	BSD-2-Clause
pcre2	10.40	BSD-3-Clause
pcsc-lite	1.9.5	BSD-2-Clause (auth), BSD-3-Clause, GPL-3.0+ (spy, tests), ISC (simclist)
peeking_take_while - rust	0.1.2	Apache-2.0/MIT
percent-encoding - rust	2.1.0	MIT/Apache-2.0
pkg-config - rust	0.3.25	MIT OR Apache-2.0
ppv-lite86 - rust	0.2.16	MIT/Apache-2.0
proc-macro2 - rust	1.0.37	MIT OR Apache-2.0
publicsuffix - rust	1.5.6	MIT/Apache-2.0
qt5base	f31e001a93 99e4e62084 7ea2c3e907 49350140ae	GPL-2.0+ or LGPL-3.0, GPL-3.0 with exception(tools), GFDL-1.3 (docs)
qt5declarative	9349f3975d 26632befc0 36fc9f2ea6 e03aee2182	GPL-2.0+ or LGPL-3.0, GPL-3.0 with exception(tools), GFDL-1.3 (docs)
qt5graphicaleffects	c36998dc15 81167b12cc 3de8e4ac68 c2a5d9f76e	GPL-2.0+ or LGPL-3.0, GPL-3.0 with exception(tools), GFDL-1.3 (docs)
qt5quickcontrols	cf3f6d7fec 824cdf01f9 b329ab3b92 b1c0e0a420	GPL-2.0 or GPL-3.0 or LGPL-3.0, GFDL-1.3 (docs)
qt5quickcontrols2	d8d6b14b99 07adbc6ce3 07d52be34a aa761a58fa	GPL-3.0 or LGPL-3.0, GFDL-1.3 (docs)
qt5svg	728012f776 2ecd5762d4 93f8796907 c6456f31e7	GPL-2.0+ or LGPL-3.0, GPL-3.0 with exception(tools), GFDL-1.3 (docs)
quote - rust	1.0.17	MIT OR Apache-2.0
radium - rust	0.6.2	MIT

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Package	Version	Licenses
rand - rust	0.8.5	MIT OR Apache-2.0
rand-0.7.3 - rust	0.7.3	MIT OR Apache-2.0
rand_chacha - rust	0.3.1	MIT OR Apache-2.0
rand_chacha-0.2.2 - rust	0.2.2	MIT OR Apache-2.0
rand_core - rust	0.6.3	MIT OR Apache-2.0
rand_core-0.5.1 - rust	0.5.1	MIT OR Apache-2.0
rand_hc - rust	0.2.0	MIT/Apache-2.0
rand_pcg - rust	0.2.1	MIT OR Apache-2.0
redox_syscall - rust	0.2.13	MIT
regex - rust	1.5.5	MIT OR Apache-2.0
regex-syntax - rust	0.6.25	MIT/Apache-2.0
remove_dir_all - rust	0.5.3	MIT/Apache-2.0
resize-slice - rust	0.1.3	MIT
rusb - rust	0.9.0	MIT
rustc-hash - rust	1.1.0	Apache-2.0/MIT
ryu - rust	1.0.9	Apache-2.0 OR BSL-1.0
scopeguard - rust	1.1.0	MIT/Apache-2.0
serde - rust	1.0.136	MIT OR Apache-2.0
serde_derive - rust	1.0.136	MIT OR Apache-2.0
serde_json - rust	1.0.79	MIT OR Apache-2.0
shlex - rust	1.1.0	MIT OR Apache-2.0
signal-hook - rust	0.3.13	Apache-2.0/MIT
signal-hook-registry - rust	1.4.0	Apache-2.0/MIT
siphasher - rust	0.3.10	MIT/Apache-2.0
squashfs	4.5	GPL-2.0+
strongswan	5.9.5	GPL-2.0+
strsim - rust	0.10.0	MIT
strsim-0.8.0 - rust	0.8.0	MIT
syn - rust	1.0.91	MIT OR Apache-2.0
synstructure - rust	0.12.6	MIT
tap - rust	1.0.1	MIT
tempfile - rust	3.3.0	MIT OR Apache-2.0
termcolor - rust	1.1.3	Unlicense OR MIT
textwrap - rust	0.11.0	MIT
thiserror - rust	1.0.39	MIT OR Apache-2.0
thiserror-impl - rust	1.0.39	MIT OR Apache-2.0
tinyvec - rust	1.5.1	Zlib OR Apache-2.0 OR MIT
tinyvec_macros - rust	0.1.0	MIT OR Apache-2.0 OR Zlib
toml - rust	0.5.8	MIT/Apache-2.0
toolchain-external-arm-aarch64	2021.07	GPL-2.0+ (programs), LGPL-2.1+, BSD-3-Clause, MIT (library)
tzdata	2021e	Public domain

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Package	Version	Licenses
uboot	e3ec87c944e2b518d06edec48a51b3486250fb02	GPL-2.0+
udev - rust	0.6.3	MIT
unicode-bidi - rust	0.3.7	MIT / Apache-2.0
unicode-normalization - rust	0.1.19	MIT/Apache-2.0
unicode-width - rust	0.1.9	MIT/Apache-2.0
unicode-xid - rust	0.2.2	MIT OR Apache-2.0
uninitialized - rust	0.0.2	MIT
uritemplate-next - rust	0.2.0	BSD-3-Clause
url - rust	2.2.2	MIT/Apache-2.0
util-linux	2.37.4	GPL-2.0+, BSD-4-Clause, LGPL-2.1+ (libblkid, libfdisk, libmount), BSD-3-Clause (libuuid), ISC (rfkill)
util-linux-libs	2.37.4	LGPL-2.1+ (libblkid, libfdisk, libmount), BSD-3-Clause (libuuid)
uuid - rust	0.8.2	Apache-2.0 OR MIT
vcpkg - rust	0.2.15	MIT/Apache-2.0
vec_map - rust	0.8.2	MIT/Apache-2.0
wasi - rust	0.10.2+wasi-snapshot-preview1	Apache-2.0 WITH LLVM-exception OR Apache-2.0 OR MIT
wasi-0.9.0+wasi-snapshot-preview1 - rust	0.9.0+wasi-snapshot-preview1	Apache-2.0 WITH LLVM-exception OR Apache-2.0 OR MIT
which - rust	4.2.5	MIT
winapi - rust	0.3.9	MIT/Apache-2.0
winapi-util - rust	0.1.5	Unlicense/MIT
wireguard-uapi - rust	3.0.0	MIT
wyz - rust	0.4.0	MIT
zeroize - rust	1.5.4	Apache-2.0 OR MIT
zeroize_derive - rust	1.3.2	Apache-2.0 OR MIT

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1.2.2 aho-corasick - rust

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1.2.3 ansi_term - rust

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1.2.4 arm-trusted-firmware

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1.2.5 atty - rust

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1.2.6 autocfg - rust

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1.2.7 avahi

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1.2.8 base64 - rust

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8. If applications have built the names "Bitstream Vera" into them,
   can I override this somehow to use fonts of my choosing?

   This depends on exact details of the software. Most open source
   systems and software (e.g., Gnome, KDE, etc.) are now converting to
   use fontconfig (see www.fontconfig.org) to handle font configuration,
   selection and substitution; it has provisions for overriding font
   names and subsituting alternatives. An example is provided by the
   supplied local.conf file, which chooses the family Bitstream Vera for
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```
      "sans", "serif" and "monospace".  Other software (e.g., the XFree86
      core server) has other mechanisms for font substitution.
```

1.2.12 bitvec - rust

```
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jseward@bzip.org
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1.2.14 byteorder - rust

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bzip2/libbzip2 version 1.0.8 of 13 July 2019

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1.2.16 cantarell

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1.2.17 cbindgen - rust

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1.2.20 cexpr - rust

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1.2.21 cfg-if - rust

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1.2.23 clang-sys - rust

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1.2.24 clap - rust

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1.2.25 coreutils

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1.2.26 crossbeam - rust

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1.2.29 crossbeam-epoch - rust

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1.2.30 crossbeam-queue - rust

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1.2.31 crossbeam-utils - rust

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1.2.35 davici

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1.2.37 derive_builder - rust

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1.2.38 derive_builder_core - rust

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1.2.39 derive_builder_macro - rust

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1.2.40 dfu-util

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1.2.41 e2fsprogs

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

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

  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.
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Section 6 states terms for distribution of such executables.

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

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

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


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

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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
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    d) 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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  For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
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the source code distributed need not include anything that is normally
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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

That's all there is to it!
```

```
/*

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*/
```

```
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 * internal include file for com_err package
 *
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 */

#include <errno.h>

#ifdef NEED_SYS_ERRLIST
extern char const * const sys_errlist[];
extern const int sys_nerr;
#endif
```

1.2.42 either - rust

```
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1.2.53 getrandom - rust

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1.2.69 jpeg-turbo

```
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======================

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README.  It is included only for reference.  Please see README.md for
information specific to libjpeg-turbo.


The Independent JPEG Group's JPEG software
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(also known as JPEG, together with ITU-T SG16).


DOCUMENTATION ROADMAP
=====================

This file contains the following sections:

OVERVIEW            General description of JPEG and the IJG software.
LEGAL ISSUES        Copyright, lack of warranty, terms of distribution.
REFERENCES          Where to learn more about JPEG.
ARCHIVE LOCATIONS   Where to find newer versions of this software.
FILE FORMAT WARS    Software *not* to get.
TO DO               Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
  usage.txt         Usage instructions for cjpeg, djpeg, jpegtran,
                    rdjpgcom, and wrjpgcom.
  *.1               Unix-style man pages for programs (same info as usage.txt).
  wizard.txt        Advanced usage instructions for JPEG wizards only.
  change.log        Version-to-version change highlights.
Programmer and internal documentation:
  libjpeg.txt       How to use the JPEG library in your own programs.
  example.txt       Sample code for calling the JPEG library.
  structure.txt     Overview of the JPEG library's internal structure.
  coderules.txt     Coding style rules --- please read if you contribute code.

Please read at least usage.txt.  Some information can also be found in the JPEG
FAQ (Frequently Asked Questions) article.  See ARCHIVE LOCATIONS below to find
out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or
more of the REFERENCES, then looking at the documentation files (in roughly
the order listed) before diving into the code.


OVERVIEW
========

This package contains C software to implement JPEG image encoding, decoding,
and transcoding.  JPEG (pronounced "jay-peg") is a standardized compression
method for full-color and grayscale images.  JPEG's strong suit is compressing
photographic images or other types of images that have smooth color and
brightness transitions between neighboring pixels.  Images with sharp lines or
other abrupt features may not compress well with JPEG, and a higher JPEG
quality may have to be used to avoid visible compression artifacts with such
images.
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JPEG is lossy, meaning that the output pixels are not necessarily identical to
the input pixels.  However, on photographic content and other "smooth" images,
very good compression ratios can be obtained with no visible compression
artifacts, and extremely high compression ratios are possible if you are
willing to sacrifice image quality (by reducing the "quality" setting in the
compressor.)

This software implements JPEG baseline, extended-sequential, and progressive
compression processes.  Provision is made for supporting all variants of these
processes, although some uncommon parameter settings aren't implemented yet.
We have made no provision for supporting the hierarchical or lossless
processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files,
plus two sample applications "cjpeg" and "djpeg", which use the library to
perform conversion between JPEG and some other popular image file formats.
The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included
considerable functionality beyond the bare JPEG coding/decoding capability;
for example, the color quantization modules are not strictly part of JPEG
decoding, but they are essential for output to colormapped file formats or
colormapped displays.  These extra functions can be compiled out of the
library if not required for a particular application.

We have also included "jpegtran", a utility for lossless transcoding between
different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple
applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and
flexibility, while also making it fast enough to be useful.  In particular,
the software is not intended to be read as a tutorial on JPEG.  (See the
REFERENCES section for introductory material.)  Rather, it is intended to
be reliable, portable, industrial-strength code.  We do not claim to have
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REFERENCES
==========

We recommend reading one or more of these references before trying to
understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is
        Wallace, Gregory K.  "The JPEG Still Picture Compression Standard",
        Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44.
(Adjacent articles in that issue discuss MPEG motion picture compression,
applications of JPEG, and related topics.)  If you don't have the CACM issue
handy, a PDF file containing a revised version of Wallace's article is
available at http://www.ijg.org/files/Wallace.JPEG.pdf.  The file (actually
a preprint for an article that appeared in IEEE Trans. Consumer Electronics)
omits the sample images that appeared in CACM, but it includes corrections
and some added material.  Note: the Wallace article is copyright ACM and IEEE,
and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in
"The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by
M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1.  This book provides
good explanations and example C code for a multitude of compression methods
including JPEG.  It is an excellent source if you are comfortable reading C
code but don't know much about data compression in general.  The book's JPEG
sample code is far from industrial-strength, but when you are ready to look
at a full implementation, you've got one here...

The best currently available description of JPEG is the textbook "JPEG Still
Image Data Compression Standard" by William B. Pennebaker and Joan L.
Mitchell, published by Van Nostrand Reinhold, 1993, ISBN 0-442-01272-1.
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Price US$59.95, 638 pp.  The book includes the complete text of the ISO JPEG
standards (DIS 10918-1 and draft DIS 10918-2).

The original JPEG standard is divided into two parts, Part 1 being the actual
specification, while Part 2 covers compliance testing methods.  Part 1 is
titled "Digital Compression and Coding of Continuous-tone Still Images,
Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS
10918-1, ITU-T T.81.  Part 2 is titled "Digital Compression and Coding of
Continuous-tone Still Images, Part 2: Compliance testing" and has document
numbers ISO/IEC IS 10918-2, ITU-T T.83.

The JPEG standard does not specify all details of an interchangeable file
format.  For the omitted details, we follow the "JFIF" conventions, revision
1.02.  JFIF version 1 has been adopted as ISO/IEC 10918-5 (05/2013) and
Recommendation ITU-T T.871 (05/2011): Information technology - Digital
compression and coding of continuous-tone still images: JPEG File Interchange
Format (JFIF).  It is available as a free download in PDF file format from
https://www.iso.org/standard/54989.html and http://www.itu.int/rec/T-REC-T.871.
A PDF file of the older JFIF 1.02 specification is available at
http://www.w3.org/Graphics/JPEG/jfif3.pdf.

The TIFF 6.0 file format specification can be obtained from
http://mirrors.ctan.org/graphics/tiff/TIFF6.ps.gz.  The JPEG incorporation
scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious
problems.  IJG does not recommend use of the TIFF 6.0 design (TIFF Compression
tag 6).  Instead, we recommend the JPEG design proposed by TIFF Technical Note
#2 (Compression tag 7).  Copies of this Note can be obtained from
http://www.ijg.org/files/.  It is expected that the next revision
of the TIFF spec will replace the 6.0 JPEG design with the Note's design.
Although IJG's own code does not support TIFF/JPEG, the free libtiff library
uses our library to implement TIFF/JPEG per the Note.


ARCHIVE LOCATIONS
=================

The "official" archive site for this software is www.ijg.org.
The most recent released version can always be found there in
directory "files".

The JPEG FAQ (Frequently Asked Questions) article is a source of some
general information about JPEG.  It is available at
http://www.faqs.org/faqs/jpeg-faq.


FILE FORMAT COMPATIBILITY
=========================

This software implements ITU T.81 | ISO/IEC 10918 with some extensions from
ITU T.871 | ISO/IEC 10918-5 (JPEG File Interchange Format-- see REFERENCES).
Informally, the term "JPEG image" or "JPEG file" most often refers to JFIF or
a subset thereof, but there are other formats containing the name "JPEG" that
are incompatible with the DCT-based JPEG standard or with JFIF (for instance,
JPEG 2000 and JPEG XR).  This software therefore does not support these
formats.  Indeed, one of the original reasons for developing this free software
was to help force convergence on a common, interoperable format standard for
JPEG files.

JFIF is a minimal or "low end" representation.  TIFF/JPEG (TIFF revision 6.0 as
modified by TIFF Technical Note #2) can be used for "high end" applications
that need to record a lot of additional data about an image.
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TO DO
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Please send bug reports, offers of help, etc. to jpeg-info@jpegclub.org.
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1.2.70 jq

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1.2.71 json-pointer - rust

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    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
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Section 6 states terms for distribution of such executables.
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1.2.74 lazy_static - rust

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1.2.76 libc - rust

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    its purpose remains meaningful.

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  If such an object file uses only numerical parameters, data
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  Otherwise, if the work is a derivative of the Library, you may
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Any executables containing that work also fall under Section 6,
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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
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That's all there is to it!
```

1.2.79 libcurl

```
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1.2.80 libdaemon

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be allowed to use the library.  A more frequent case is that a free
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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
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    its purpose remains meaningful.

    (For example, a function in a library to compute square roots has
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Section 6 states terms for distribution of such executables.

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Whether this is true is especially significant if the work can be
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  If such an object file uses only numerical parameters, data
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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
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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.


  6. As an exception to the Sections above, you may also combine or
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link a "work that uses the Library" with the Library to produce a
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    changes were used in the work (which must be distributed under
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    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
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    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
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    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
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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
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1.2.81 libdrm

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1.2.82 liberation

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1.2.83 libevdev

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1.2.84 libevent

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1.2.85 libifdse

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1.2.87 libmnl

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from a designated place, then offering equivalent access to copy the
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1.2.88 libnftnl

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1.2.90 libpng

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1.2.91 libpthread-stubs

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it in new free programs; and that you are informed that you can do
these things.

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you if you distribute copies of the library or if you modify it.

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or for a fee, you must give the recipients all the rights that we gave
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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
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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.

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


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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
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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
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writing it).  Whether that is true depends on what the Library does
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  You may charge a fee for the physical act of transferring a copy,
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  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
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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,
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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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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
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that version instead if you wish.)  Do not make any other change in
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  Once this change is made in a given copy, it is irreversible for
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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
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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
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  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
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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:

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

That's all there is to it!
```

1.2.94 libusb1-sys - rust

```
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[This is the first released version of the Lesser GPL.  It also counts
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 the version number 2.1.]

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freedom to share and change it.  By contrast, the GNU General Public
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  For example, if you distribute copies of the library, whether gratis
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complete object files to the recipients, so that they can relink them
with the library after making changes to the library and recompiling
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library, and (2) we offer you this license, which gives you legal
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  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
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  Finally, software patents pose a constant threat to the existence of
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  Most GNU software, including some libraries, is covered by the
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General Public License, applies to certain designated libraries, and
is quite different from the ordinary General Public License.  We use
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  When a program is linked with a library, whether statically or using
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libraries.  However, the Lesser license provides advantages in certain
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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
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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.
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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.

  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
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    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
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    root function must still compute square roots.)

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Section 6 states terms for distribution of such executables.

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1.2.96 libzlib

```
ZLIB DATA COMPRESSION LIBRARY

zlib 1.2.12 is a general purpose data compression library.  All the code is
thread safe.  The data format used by the zlib library is described by RFCs
(Request for Comments) 1950 to 1952 in the files
http://tools.ietf.org/html/rfc1950 (zlib format), rfc1951 (deflate format) and
rfc1952 (gzip format).

All functions of the compression library are documented in the file zlib.h
(volunteer to write man pages welcome, contact zlib@gzip.org).  A usage example
of the library is given in the file test/example.c which also tests that
the library is working correctly.  Another example is given in the file
test/minigzip.c.  The compression library itself is composed of all source
files in the root directory.

To compile all files and run the test program, follow the instructions given at
the top of Makefile.in.  In short "./configure; make test", and if that goes
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well, "make install" should work for most flavors of Unix.  For Windows, use
one of the special makefiles in win32/ or contrib/vstudio/ .  For VMS, use
make_vms.com.

Questions about zlib should be sent to <zlib@gzip.org>, or to Gilles Vollant
<info@winimage.com> for the Windows DLL version.  The zlib home page is
http://zlib.net/ .  Before reporting a problem, please check this site to
verify that you have the latest version of zlib; otherwise get the latest
version and check whether the problem still exists or not.

PLEASE read the zlib FAQ http://zlib.net/zlib_faq.html before asking for help.

Mark Nelson <markn@ieee.org> wrote an article about zlib for the Jan.  1997
issue of Dr.  Dobb's Journal; a copy of the article is available at
http://marknelson.us/1997/01/01/zlib-engine/ .

The changes made in version 1.2.12 are documented in the file ChangeLog.

Unsupported third party contributions are provided in directory contrib/ .

zlib is available in Java using the java.util.zip package, documented at
http://java.sun.com/developer/technicalArticles/Programming/compression/ .

A Perl interface to zlib written by Paul Marquess <pmqs@cpan.org> is available
at CPAN (Comprehensive Perl Archive Network) sites, including
http://search.cpan.org/~pmqs/IO-Compress-Zlib/ .

A Python interface to zlib written by A.M. Kuchling <amk@amk.ca> is
available in Python 1.5 and later versions, see
http://docs.python.org/library/zlib.html .

zlib is built into tcl: http://wiki.tcl.tk/4610 .

An experimental package to read and write files in .zip format, written on top
of zlib by Gilles Vollant <info@winimage.com>, is available in the
contrib/minizip directory of zlib.


Notes for some targets:

- For Windows DLL versions, please see win32/DLL_FAQ.txt

- For 64-bit Irix, deflate.c must be compiled without any optimization. With
  -O, one libpng test fails. The test works in 32 bit mode (with the -n32
  compiler flag). The compiler bug has been reported to SGI.

- zlib doesn't work with gcc 2.6.3 on a DEC 3000/300LX under OSF/1 2.1 it works
  when compiled with cc.

- On Digital Unix 4.0D (formely OSF/1) on AlphaServer, the cc option -std1 is
  necessary to get gzprintf working correctly. This is done by configure.

- zlib doesn't work on HP-UX 9.05 with some versions of /bin/cc. It works with
  other compilers. Use "make test" to check your compiler.

- gzdopen is not supported on RISCOS or BEOS.

- For PalmOs, see http://palmzlib.sourceforge.net/


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  The deflate format used by zlib was defined by Phil Katz.  The deflate and
  zlib specifications were written by L.  Peter Deutsch.  Thanks to all the
  people who reported problems and suggested various improvements in zlib; they
  are too numerous to cite here.

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  Jean-loup Gailly        Mark Adler
  jloup@gzip.org          madler@alumni.caltech.edu

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1.2.97 linenoise

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1.2.98 linux

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1.2.102 memchr - rust

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1.2.104 mesa3d

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1.2.105 minimal-lexical - rust

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`src/bellerophon.rs` is loosely based off the Golang implementation,
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1.2.112 ntp

1.2.113 num-integer - rust

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1.2.117 pcre2

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suffice to ensure that the continued functioning of the modified object
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1.2.119 peeking_take_while - rust

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1.2.121 pkg-config - rust

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1.2.122 ppv-lite86 - rust

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1.2.123 proc-macro2 - rust

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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.

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  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
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(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
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    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
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    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
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    further charge.  You need not require recipients to copy the
    Corresponding Source along with the object code.  If the place to
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and execute modified versions of a covered work in that User Product from
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suffice to ensure that the continued functioning of the modified object
code is in no case prevented or interfered with solely because
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produce the work, or an object code interpreter used to run it.

  The "Corresponding Source" for a work in object code form means all
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work) run the object code and to modify the work, including scripts to
control those activities.  However, it does not include the work's
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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,
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    (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
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    more than your reasonable cost of physically performing this
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    only if you received the object code with such an offer, in accord
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    Corresponding Source in the same way through the same place at no
    further charge.  You need not require recipients to copy the
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    Corresponding Source along with the object code.  If the place to
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    may be on a different server (operated by you or a third party)
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and execute modified versions of a covered work in that User Product from
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suffice to ensure that the continued functioning of the modified object
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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
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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
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  The requirement to provide Installation Information does not include a
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protocols for communication across the network.

  Corresponding Source conveyed, and Installation Information provided,
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  A "Standard Interface" means an interface that either is an official
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than the work as a whole, that (a) is included in the normal form of
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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.

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    Appropriate Legal Notices; however, if the Program has interactive
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    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.
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    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.

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actually uses, or expects or is expected to use, the product.  A product
is a consumer product regardless of whether the product has substantial
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the only significant mode of use of the product.

  "Installation Information" for a User Product means any methods,
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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
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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
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    Copyright (C) <year>  <name of author>

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  Ty Coon, President of Vice

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programs which are used unmodified in performing those activities but
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includes interface definition files associated with source files for
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    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
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    product that is covered by this License, on a durable physical
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    more than your reasonable cost of physically performing this
    conveying of source, or (2) access to copy the
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Corresponding Source conveyed under this section must be accompanied
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    medium customarily used for software interchange, for a price no
    more than your reasonable cost of physically performing this
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    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
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    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
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    e) Convey the object code using peer-to-peer transmission, provided
    you inform other peers where the object code and Corresponding
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1.2.134 rand-0.7.3 - rust

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1.2.136 rand_chacha-0.2.2 - rust

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1.2.139 rand_hc - rust

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1.2.140 rand_pcg - rust

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1.2.141 redox_syscall - rust

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1.2.143 regex-syntax - rust

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1.2.144 remove_dir_all - rust

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1.2.151 serde_derive - rust

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1.2.170 tinyvec_macros - rust

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  When a "work that uses the Library" uses material from a header file
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1.2.175 udev - rust

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1.2.177 unicode-normalization - rust

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1.2.178 unicode-width - rust

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1.2.179 unicode-xid - rust

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"work based on the library" and a "work that uses the library".  The
former contains code derived from the library, whereas the latter must
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    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
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must be distributed under the terms of Sections 1 and 2 above on a
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from a designated place, then offering equivalent access to copy the
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  If such an object file uses only numerical parameters, data
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    changes were used in the work (which must be distributed under
    Sections 1 and 2 above); and, if the work is an executable linked
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    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
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    b) Use a suitable shared library mechanism for linking with the
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1.2.184 util-linux-libs

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    (For example, a function in a library to compute square roots has
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    application.  Therefore, Subsection 2d requires that any
    application-supplied function or table used by this function must
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Section 6 states terms for distribution of such executables.

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  If such an object file uses only numerical parameters, data
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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
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    b) Use a suitable shared library mechanism for linking with the
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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
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    d) If distribution of the work is made by offering access to copy
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1.2.185 uuid - rust

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1.2.186 vcpkg - rust

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1.2.189 wasi-0.9.0+wasi-snapshot-preview1 - rust

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1.2.192 winapi-util - rust

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