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I've considered using LGPL, but I decided against that because

- I still don't quite understand it's terms.
- I actually don't want a program that really needs this library to be distributed with any other licence than (L)GPL.

joost witteveen.

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and, if the work is an executable linked

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That's all there is to it!

1.4 fakeroot 1.9.1

1.4.1 Available under license :

I suppose 'libtricks' will take the quest of finding border-cases for the GPL yet one more (small) step forward. Does every dynamically linked executable fall under the GPL once someone said 'LD_PRELOAD=libtricks.so.0.0 executable'? That seems to be a rather strange interpretation of the GPL.

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I've considered using LGPL, but I decided against that because

- I still don't quite understand it's terms.
- I actually don't want a program that really needs this library to be distributed with any other licence than (L)GPL.

joost witteveen.

For the tekst of the GPL, see /usr/doc/copyright/GPL of any debian system.

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1.5 udhcp 0.9.6

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1.6 rp-pppoe 3.10

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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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(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

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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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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.

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It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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Ty Coon, President of Vice

That's all there is to it!
install - install a program, script, or datafile

scriptversion=2004-02-15.20

This originates from X11R5 (mit/util/scripts/install.sh), which was


```

# later released in X11R6 (xc/config/util/install.sh) with the
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#
# Calling this script install-sh is preferred over install.sh, to prevent
# `make' implicit rules from creating a file called install from it
# when there is no Makefile.
#
# This script is compatible with the BSD install script, but was written
# from scratch. It can only install one file at a time, a restriction
# shared with
many OS's install programs.

```

1.8 libpcap 1.1.1

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1.9 libtacplus 0.2a

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1.10 atm2684 0.78

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Version 2, June 1991

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Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This

license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

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

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

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

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

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

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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.

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

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

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

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That's all there is to it!

/*

* Marko Kiiskila carnil@cs.tut.fi

*

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1.16 libnetfilter-queue 0.0.12

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- *
 - * 2006-01-23 Andreas Florath <andreas@florath.net>
 - * Fix __set_verdict() that it can now handle payload.
- */

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```
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Version 3.0, 18 August 2009

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1.19 libdaemon 0.14

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1.20 libnetfilter-contrack 0.0.101

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1.21 dhcp 4.1.1

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1.22 bcm963xx 1.1

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```
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*
```


- * Based on some original ideas from Jay Schulist <jschlst@samba.org>
- *
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- *
- * 2005-09-14 Pablo Neira Ayuso <pablo@netfilter.org>:
- * Define structure nfnlhdr
- * Added __be64_to_cpu function
- * Use NFA_TYPE macro to get the attribute type
- *
- * 2006-01-14 Harald Welte <laforge@netfilter.org>:
- * introduce nfnl_subsys_handle
- *
- * 2006-01-15 Pablo Neira Ayuso <pablo@netfilter.org>:
- * set missing subsys_id in nfnl_subsys_open
- * set missing nfnlh->local.nl_pid in nfnl_open
- *
- * 2006-01-26 Harald Welte <laforge@netfilter.org>:
- * remove bogus
- nfnlh->local.nl_pid from nfnl_open ;)
- * add 16bit attribute functions
- *
- * 2006-07-03 Pablo Neira Ayuso <pablo@netfilter.org>:
- * add iterator API
- * add replacements for nfnl_listen and nfnl_talk
- * fix error handling
- * add assertions
- * add documentation
- * minor cleanups
- */

1.25 usb-modeswitch 1.0.5

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/*

Mode switching tool for controlling flip flop (multiple device) USB gear
Version 1.0.5, 2009/08/26

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Command line parsing, decent usage/config output/handling, bugfixes and advanced options added by:

Joakim Wennergren (jokedst) (gmail.com)

TargetClass parameter implementation to support new Option devices/firmware:

Paul Hardwick (<http://www.pharscape.org>)

Created with initial help from:

"usbsnoop2libusb.pl" by Timo Lindfors (<http://iki.fi/lindi/usb/usbsnoop2libusb.pl>)

Config file parsing stuff borrowed from:

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Hexstr2bin function borrowed from:

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Denis Sutter

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```

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*
* (C) 2002-2006 by Harald Welte <laforge@numonks.org>
* (C) 2006 by Pablo Neira Ayuso <pablo@netfilter.org>
*
* Based on some original ideas from Jay Schulist <jschlst@samba.org>
*
* Development of this code funded by Astaro AG (http://www.astaro.com)
*
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*
* 2005-09-14 Pablo Neira Ayuso <pablo@netfilter.org>:
*   Define structure nfnlhdr
*   Added __be64_to_cpu function
*   Use NFA_TYPE macro to get the attribute type
*
* 2006-01-14 Harald Welte <laforge@netfilter.org>:
*   introduce nfnl_subsys_handle
*
* 2006-01-15 Pablo Neira Ayuso <pablo@netfilter.org>:
*   set missing subsys_id in nfnl_subsys_open
*   set missing nfnlh->local.nl_pid in nfnl_open
*
* 2006-01-26 Harald Welte <laforge@netfilter.org>:
*   remove
*   bogus nfnlh->local.nl_pid from nfnl_open ;)
*   add 16bit attribute functions
*
* 2006-07-03 Pablo Neira Ayuso <pablo@netfilter.org>:
*   add iterator API
*   add replacements for nfnl_listen and nfnl_talk
*   fix error handling
*   add assertions
*   add documentation
*   minor cleanups
*/

/* iftable - table of network interfaces
*
* (C) 2004 by Astaro AG, written by Harald Welte <hwalte@astaro.com>
*
* This software is Free Software and licensed under GNU GPLv2.
*
*/

/*
* libipq - backwards compatibility library for libnetfilter_queue
*
* (C) 2005 by Harald Welte <laforge@netfilter.org>

```


- *
 - * Based on original libipq.c,
 - * Author: James Morris <jmorris@intercode.com.au>
 - * 07-11-2001 Modified by Fernando Anton to add support for IPv6.
 - * Copyright (c) 2000-2001 Netfilter Core Team
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1.37 bget 10-1995

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B G E T

Buffer allocator

Designed and implemented in April of 1972 by John Walker, based on the Case Algol OPRO\$ algorithm implemented in 1966.

Reimplemented in 1975 by John Walker for the Interdata 70.

Reimplemented in 1977 by John Walker for the Marinchip 9900.

Reimplemented in 1982 by Duff Kurland for the Intel 8080.

Portable C version implemented in September of 1990 by an older, wiser instance of the original implementor.

Souped up and/or weighed down slightly shortly thereafter by Greg Lutz.

AMIX edition, including the new compaction call-back option, prepared by John Walker in July of 1992.

Bug in built-in test program fixed, ANSI compiler warnings eradicated, buffer pool validator implemented, and guaranteed repeatable test added by John Walker in October of 1995.

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1.38 nfnatip 1.1

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1.39 expat 2.0.1

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1.40 ipsec-tools 0.8.0

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1.41 gdb 7.3.1

1.41.1 Available under license :

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1.42 net-snmp 5.7.2

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1.43 libtool 2.2.10

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```
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1.46 sstrip 20154

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1.47 binutils 2.21

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1.48 bcm-boot-launcher N/A

1.48.1 Available under license :

```
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* <:copyright-BRCM:2011:DUAL/GPL:standard
*
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```

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*
* :>
*
*****/

```

1.49 gmp 5.0.2

1.49.1 Available under license :

```

/* __gmp_replacement_vsnprintf -- for systems which don't have vsnprintf, or
only have a broken one.

```

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```
#include "config.h"
```

```
#if ! HAVE_VSNPRINTF /* only need this file if we don't have vsnprintf */
```

```
#define _GNU_SOURCE /* for strlen prototype */
```

```
#if HAVE_STDARG
```

```
#include <stdarg.h>
```

```
#else
```

```
#include <varargs.h>
```

```
#endif
```

```
#include <ctype.h> /* for isdigit */
```

```
#include <stddef.h> /* for ptrdiff_t */
```

```
#include <string.h>
```

```
#include <stdio.h> /* for NULL */
```

```
#include <stdlib.h>
```

```
#if HAVE_FLOAT_H
```

```
#include <float.h> /* for DBL_MAX_10_EXP etc */
```

```
#endif
```

```
#if HAVE_INTTYPES_H
```

```
# include <inttypes.h> /* for intmax_t */
```

```
#else
```

```
# if HAVE_STDINT_H
```

```
# include <stdint.h>
```

```
# endif
```

```
#endif
```

```
#if HAVE_SYS_TYPES_H
```

```
#include <sys/types.h> /* for quad_t */
```

```
#endif
```

```
#include "gmp.h"
```

```
#include "gmp-impl.h"
```

```
/* Autoconf notes that AIX 4.3 has a broken strlen, but fortunately it  
doesn't affect us since __gmp_replacement_vsnprintf is not required on  
that system. */
```

```
#if ! HAVE_STRNLEN
```

```
static size_t
```

```
strlen
```



```

(const char *s, size_t n)
{
    size_t i;
    for (i = 0; i < n; i++)
        if (s[i] == '\0')
            break;
    return i;
}
#endif

```

/* The approach here is to parse the fmt string, and decide how much space it requires, then use vsprintf into a big enough buffer. The space calculated isn't an exact amount, but it's certainly no less than required.

This code was inspired by GNU libiberty/vasprintf.c but we support more datatypes, when available.

mingw32 - doesn't have vsnprintf, it seems. Because gcc is used a full set of types are available, but "long double" is just a plain IEEE 64-bit "double" and LDBL_MAX_EXP_10 is correspondingly defined, so we avoid the big 15-bit exponent estimate. */

```

int
__gmp_replacement_vsnprintf (char *buf, size_t buf_size,
    const char *orig_fmt, va_list orig_ap)
{
    va_list ap;
    const char *fmt;
    size_t total_width, integer_sizeof, floating_sizeof, len;
    char fchar,
    type;
    int width, prec, seen_prec, double_digits, long_double_digits;
    int *value;

```

```

/* preserve orig_ap for use after size estimation */
va_copy (ap, orig_ap);

```

```

fmt = orig_fmt;
total_width = strlen (fmt) + 1; /* 1 extra for the '\0' */

```

```

integer_sizeof = sizeof (long);
#if HAVE_LONG_LONG
integer_sizeof = MAX (integer_sizeof, sizeof (long long));
#endif
#if HAVE_QUAD_T
integer_sizeof = MAX (integer_sizeof, sizeof (quad_t));

```



```

#endif

floating_sizeof = sizeof (double);
#if HAVE_LONG_DOUBLE
floating_sizeof = MAX (floating_sizeof, sizeof (long double));
#endif

/* IEEE double or VAX G floats have an 11 bit exponent, so the default is
   a maximum 308 decimal digits. VAX D floats have only an 8 bit
   exponent, but we don't bother trying to detect that directly. */
double_digits = 308;
#ifdef DBL_MAX_10_EXP
/* but in any case prefer a value the compiler says */
double_digits = DBL_MAX_10_EXP;
#endif

/*
IEEE 128-bit quad, Intel 80-bit temporary, or VAX H floats all have 15
bit exponents, so the default is a maximum 4932 decimal digits. */
long_double_digits = 4932;
/* but if double == long double, then go with that size */
#if HAVE_LONG_DOUBLE
if (sizeof (double) == sizeof (long double))
    long_double_digits = double_digits;
#endif
#ifdef LDBL_MAX_10_EXP
/* but in any case prefer a value the compiler says */
long_double_digits = LDBL_MAX_10_EXP;
#endif

for (;;)
{
    fmt = strchr (fmt, '%');
    if (fmt == NULL)
break;
    fmt++;

    type = '\0';
    width = 0;
    prec = 6;
    seen_prec = 0;
    value = &width;

    for (;;)
    {
        fchar = *fmt++;
        switch (fchar) {

```



```

case 'c':
    /* char, already accounted for by strlen(fmt) */
    goto next;

case 'd':
case 'i':
case 'o':
case 'x':
case 'X':
case 'u':
    /* at most 3 digits per byte in hex, dec or octal, plus a sign */

    total_width += 3 * integer_sizeof + 1;

    switch (type) {
    case 'j':
        /* Let's assume uintmax_t is the same size as intmax_t. */
#ifdef HAVE_INTMAX_T
        (void) va_arg (ap, intmax_t);
#else
        ASSERT_FAIL (intmax_t not available);
#endif
        break;
    case 'l':
        (void) va_arg (ap, long);
        break;
    case 'L':
#ifdef HAVE_LONG_LONG
        (void) va_arg (ap, long long);
#else
        ASSERT_FAIL (long long not available);
#endif
        break;
    case 'q':
        /* quad_t is probably the same as long long, but let's treat
        it separately just to be sure. Also let's assume u_quad_t
        will be the same size as quad_t. */
#ifdef HAVE_QUAD_T
        (void) va_arg (ap, quad_t);
#else
        ASSERT_FAIL (quad_t not available);
#endif
        break;
    case 't':
#ifdef HAVE_PTRDIFF_T
        (void) va_arg (ap, ptrdiff_t);
#else
        ASSERT_FAIL (ptrdiff_t not available);

```



```

#endif
    break;
case 'z':
    (void) va_arg
(ap, size_t);
    break;
default:
    /* default is an "int", and this includes h=short and hh=char
since they're promoted to int in a function call */
    (void) va_arg (ap, int);
    break;
}
goto next;

case 'E':
case 'e':
case 'G':
case 'g':
    /* Requested decimals, sign, point and e, plus an overestimate
    of exponent digits (the assumption is all the float is
    exponent!). */
    total_width += prec + 3 + floating_sizeof * 3;
    if (type == 'L')
    {
#ifdef HAVE_LONG_DOUBLE
        (void) va_arg (ap, long double);
#else
        ASSERT_FAIL (long double not available);
#endif
    }
    else
        (void) va_arg (ap, double);
    break;

case 'f':
    /* Requested decimals, sign and point, and a margin for error,
    then add the maximum digits that can be in the integer part,
    based on the maximum exponent value. */
    total_width += prec + 2 + 10;
    if (type == 'L')
    {
#ifdef HAVE_LONG_DOUBLE
        (void) va_arg (ap, long double);
        total_width += long_double_digits;
#else
        ASSERT_FAIL (long double not available);
#endif
    }
#endif

```



```

    }
    else
    {
(void) va_arg (ap, double);
total_width += double_digits;
    }
    break;

case 'h': /* short or char */
case 'j': /* intmax_t */
case 'L': /* long long or long double */
case 'q': /* quad_t */
case 't': /* ptrdiff_t */
set_type:
    type = fchar;
    break;

case 'l':
    /* long or long long */
    if (type != 'l')
        goto set_type;
    type = 'L'; /* "ll" means "L" */
    break;

case 'n':
    /* bytes written, no output as such */
    (void) va_arg (ap, void *);
    goto next;

case 's':
    /* If no precision was given, then determine the string length
       and put it there, to be added to the total under "next". If
       a precision was given then that's already the maximum from
       this field,
but see whether the string is shorter than that,
       in case the limit was very big. */
    {
        const char *s = va_arg (ap, const char *);
        prec = (seen_prec ? strlen (s, prec) : strlen (s));
    }
    goto next;

case 'p':
    /* pointer, let's assume at worst it's octal with some padding */
    (void) va_arg (ap, const void *);
    total_width += 3 * sizeof (void *) + 16;
    goto next;

```



```

case '%':
    /* literal %, already accounted for by strlen(fmt) */
    goto next;

case '#':
    /* showbase, at most 2 for "0x" */
    total_width += 2;
    break;

case '+':
case '-':
    /* sign, already accounted for under numerics */
    break;

case '!':
    /* left justify, no effect on total width */
    break;

case '.':
    seen_prec = 1;
    value = &prec;
    break;

case '*':
    {
        /* negative width means left justify which can be ignored,
        negative prec would be invalid,
        just use absolute value */
        int n = va_arg (ap, int);
        *value = ABS (n);
    }
    break;

case '0': case '1': case '2': case '3': case '4':
case '5': case '6': case '7': case '8': case '9':
    /* process all digits to form a value */
    {
        int n = 0;
        do {
            n = n * 10 + (fchar-'0');
            fchar = *fmt++;
        } while (isascii (fchar) && isdigit (fchar));
        fmt--; /* unget the non-digit */
        *value = n;
    }
    break;

default:

```



```

/* incomplete or invalid % sequence */
ASSERT (0);
goto next;
}
}

next:
total_width += width;
total_width += prec;
}

if (total_width <= buf_size)
{
vsprintf (buf, orig_fmt, orig_ap);
len = strlen (buf);
}
else
{
char *s;

s = __GMP_ALLOCATE_FUNC_TYPE (total_width, char);
vsprintf (s, orig_fmt, orig_ap);
len = strlen (s);
if (buf_size != 0)
{
size_t copylen = MIN
(len, buf_size-1);
memcpy (buf, s, copylen);
buf[copylen] = '\0';
}
(*__gmp_free_func) (s, total_width);
}

/* If total_width was somehow wrong then chances are we've already
clobbered memory, but maybe this check will still work. */
ASSERT_ALWAYS (len < total_width);

return len;
}

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1.52 iptables 1.4.16.3

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1.53 javascript-md5 2.1

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/*  
 * A JavaScript implementation of the RSA Data Security, Inc. MD5 Message  
 * Digest Algorithm, as defined in RFC 1321.  
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 * Other contributors: Greg Holt, Andrew Kepert, Ydnar, Lostinet  
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 * See http://pajhome.org.uk/crypt/md5 for more info.  
 */
```

1.54 javascript-ua 1.9

1.54.1 Available under license :

```
/*  
 * $Log: ua.js,v $  
 * Revision 1.5.2.1 2012/08/07 04:08:40 emily  
 * Update OLH to final version  
 *  
 * Revision 1.9 2002/07/22 14:06:21 bc6ix  
 * fix license path, change version reporting to use 2 digits for each level
```



```

*
* Revision 1.8 2002/07/07 08:23:07 bc6ix
* fix line endings
*
* Revision 1.7 2002/05/14 16:52:52 bc6ix
* use CVS Log for revision history
*
*
*/

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1.55 Izmacmd 4.57

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Any

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1.57 radvd 1.8

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```
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 * $Id: copyright.blurb,v 1.3 2005/10/18 19:17:29 lutchann Exp $
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 *
 */
```

1.58 send-cms-msg n/a

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 *
 * <:copyright-BRCM:2011:DUAL/GPL:standard
 *
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*
* :>
*
*****/

```

1.59 jffs2 1.60

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```

/* vi: set sw=4 ts=4: */
/*
* Build a JFFS2 image in a file, from a given directory tree.
*
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Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
*

```


- * Cross-endian support added by David Schleef <ds@schleef.org>.
- *
- * Major architectural rewrite by Erik Andersen <andersen@codepoet.org>
- * to allow support for making hard links (though hard links support is
- * not yet implemented), and for munging file permissions and ownership
- * on the fly using --faketime, --squash, --devtable. And I plugged a
- * few memory leaks, adjusted the error handling and fixed some little
- * nits here and there.
- *
- * I also added a sample device table file. See device_table.txt
- * -Erik, September 2001
- *
- * Cleanmarkers support added by Axis Communications AB
- *
- * Rewritten again. Cleanly separated host and target filesystem
- * activities (mainly so I can reuse all the host handling stuff as I
- * rewrite other mkfs utils). Added a verbose option to list types
- * and attributes as files are added to the
- file system. Major cleanup
- * and scrubbing of the code so it can be read, understood, and
- * modified by mere mortals.
- *
- * -Erik, November 2002
- */

1.60 spudd n/a

1.60.1 Available under license :

```
/*
<:copyright-BRCM:2007:GPL/GPL:standard
```

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:>
*/

1.61 uclibc 0.9.32

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

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

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

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

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

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General

Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

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

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

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

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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.

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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,

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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.

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

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

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

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

Section 6 states terms for distribution of such executables.

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

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

Otherwise, if the work is a derivative of the Library, you may

distribute the object code for the work under the terms of Section 6.

Any executables

containing that work also fall under Section 6,

whether or not they are linked directly with the Library itself.

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

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

a) Accompany the work with the complete corresponding machine-readable

source code for the Library including whatever

changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user

installs one, as long as the modified version is

interface-compatible with the version that the work was made with.

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

d) If distribution of the work is made by offering access to copy

from a designated place, offer equivalent access to copy the above specified materials from the same place.

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

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It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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<one line to give the library's name and a brief idea of what it does.>
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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

From gsf@research.att.com Wed Mar 1 20:30:54 2006

Return-Path: <gsf@research.att.com>

X-Original-To: mps@bridge.intra

Delivered-To: mps@bridge.intra

Received: from localhost (localhost [127.0.0.1])

by localhost (Postfix) with ESMTP id B8C814E4F

for <mps@bridge.intra>; Wed, 1 Mar 2006 20:30:53 +0100 (CET)

Received: from mail.bridge.intra ([127.0.0.1])

by localhost (lnx.bridge.intra [127.0.0.1]) (amavisd-new, port 10024)

with LMTP id 05987-03 for <mps@bridge.intra>;

Wed, 1 Mar 2006 20:30:42 +0100 (CET)

Received: from pop.gmx.net (localhost [127.0.0.1])

by mail.bridge.intra (Postfix) with ESMTP id C8C73794D

for <mps@bridge.intra>; Wed, 1 Mar 2006 20:30:38 +0100 (CET)

X-Flags: 0000

Delivered-To: GMX delivery to ps.m@gmx.net

Received: (gmail invoked by alias); 01 Mar 2006 19:23:46 -0000

Received: from mail-red.research.att.com (EHLO mail-white.research.att.com) [192.20.225.110]

by mx0.gmx.net (mx085) with SMTP; 01 Mar 2006 20:23:46 +0100

Received: from raptor.research.att.com (raptor.research.att.com

[135.207.23.32])

by mail-blue.research.att.com (Postfix) with ESMTP id B7929147CBB

for <ps.m@gmx.net>; Wed, 1 Mar 2006 14:23:45 -0500 (EST)

Received: (from gsf@localhost)

by raptor.research.att.com (SGI-8.9.3p2/8.8.7) id OAA86112

for ps.m@gmx.net; Wed, 1 Mar 2006 14:23:45 -0500 (EST)

Date: Wed, 1 Mar 2006 14:23:45 -0500 (EST)

From: Glenn Fowler <gsf@research.att.com>

Message-Id: <200603011923.OAA86112@raptor.research.att.com>

Organization: AT&T Research

X-Mailer: mailx (AT&T/BSD) 9.9 2005-04-21

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

References: <Pine.LNX.4.44.0603012011250.6386-100000@lnx.bridge.intra>

To: mps@bridge.intra

Subject: Re: testregex licensing question

X-GMX-Antivirus: -1 (not scanned, may not use virus scanner)

X-GMX-Antispam: 0 (Mail was not recognized as spam)

X-GMX-UID: lJF3ZO9DeSEkJ2TcbHQhaXN1IGRvb0Ca

X-Virus-Scanned: by amavisd-new at localhost

Status: RO

X-Status:

X-Keywords:

X-UID: 44736

you may include it directly
retain the testregex.c header comment
it uses a very free license to maximize distribution
you can copy that .c comment to any test data files you use
using # comment style to be complete

let me know how it works with your libc
also pass on any new tests you cook up

On Wed, 1 Mar 2006 20:15:02 +0100 (CET) Peter S. Mazinger wrote:

> Hello Glenn!

> I would want to add testregex.c and the related *.dat files to the uClibc
> testsuite. uClibc is licensed under LGPL v2.1. I haven't found any
> licensing related info on testregex.

> Is it allowed to use the code there, or should I accomodate the testsuite
> to download the needed files from the original site each time it is ran?

> Thanks, Peter

> --

> Peter S. Mazinger <ps dot m at gmx dot net> ID: 0xA5F059F2

> Key fingerprint = 92A4 31E1 56BC 3D5A 2D08 BB6E C389 975E A5F0 59F2

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1.62 avahi 0.6.31

1.62.1 Available under license :

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Version 2.1, February 1999

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For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

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

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is

modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

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

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In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of

free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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1.63 ebttables 2.0.10

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*

* curve25519-donna: Curve25519 elliptic curve, public key function

*

* <http://code.google.com/p/curve25519-donna/>

*

* Adam Langley <agl@imperialviolet.org>

*

* Derived from public domain C code by Daniel J. Bernstein <djb@cr.yp.to>

*

* More information about curve25519 can be found here

* <http://cr.yp.to/ecdh.html>

*

- * djb's sample implementation of curve25519 is written in a special assembly
- * language called qhasm and uses the floating point registers.
- *
- * This is, almost, a clean room reimplementation from the curve25519 paper. It
- * uses many of the tricks described therein. Only the crecip function is taken
- * from the sample implementation.
- */

1.65 tcpdump 4.1.1

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Contributors to bttv:

Michael Chu <mmchu@pobox.com>
AverMedia fix and more flexible card recognition

Alan Cox <alan@lxorguk.ukuu.org.uk>
Video4Linux interface and 2.1.x kernel adaptation

Chris Kleitsch

Hardware I2C

Gerd Knorr <kraxel@cs.tu-berlin.de>

Radio card (ITT sound processor)

bigfoot <bigfoot@net-way.net>

Ragnar Hojland Espinosa <ragnar@macula.net>

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+ many more (please mail me if you are missing in this list and would like to be mentioned)

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Suman Anna

Sripal Bagadia

Felipe Balbi

Ohad Ben-Cohen

Phil Carmody

Deepak Chitriki

Felipe Contreras

Hiroshi Doyu

Seth Forshee

Ivan Gomez Castellanos

Mark Grosen

Ramesh Gupta G

Fernando Guzman Lugo

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Shivananda Hebbar

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```
/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
*
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
* interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
*
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
*
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather
  lists
* (skb->atm.iovnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
*    combined, allow nicstar_free_rx_skb to be called to
*    recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
```


*
*
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*
* M. Welsh, 6 July 1996
*
*
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Andreas Oberritter
<obi@linuxtv.org>

Dennis Noermann <dennis.noermann@noernet.de>

Felix Domke <tmbinc@elitedvb.net>

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1.68 openswan 2.6.39

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linux/net/ipsec/infutil.h, linux/net/ipsec/inflate.c,
linux/net/ipsec/infcodes.c, linux/net/ipsec/infcodes.h,
linux/net/ipsec/deflate.c, linux/net/ipsec/deflate.h,
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linux/net/ipsec/inffast.c, linux/net/ipsec/infblock.h,
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Jean-loup Gailly	Mark Adler
jloup@gzip.org	madler@alumni.caltech.edu

* include/arpa/nameser.h, lib/libdns/*, lib/libisc/*, lib/liblwres/*

(except lib/liblwres/include/lwres/async.h)

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* lib/liblwres/async.c, lib/liblwres/include/lwres/async.h

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* include/arpa/nameser.h, include/sysqueue.h, lib/libisc/inet_aton.c,

lib/liblwres/herror.c, lib/liblwres/lwinetaton.c,

linux/include/openswan/radij.h, linux/net/ipsec/radij.c,

testing/utls/uml_netjig/getopt_long.c

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* lib/libdns/dst_internal.h

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* lib/libisc/inet_aton.c, lib/liblwres/lwinetaton.c

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* lib/libcrypto/liboswcrypto/cryptodev.c
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* linux/include/openswan/pfkeyv2.h

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jseward@bzip.org

bzip2/libbzip2 version 1.0.4 of 20 December 2006

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jseward@bzip.org

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1.72 ppp 2.4.8

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1.73 lldpd 1.0.8

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1.74 zebra-0.93 0.93

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

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

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

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

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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.

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

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must

be optional: if the application does not supply it, the square root function must still compute square roots.)

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

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition,

mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the

Library into a program that is not a library.

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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.

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

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

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

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

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work

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

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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

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

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

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

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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Appendix: How to Apply These Terms to Your New Libraries

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<one line to give the library's name and a brief idea of what it does.>

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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

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Version 2, June 1991

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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
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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
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b) Accompany it with a written offer, valid for at least three
years, to give any third party, for a charge no more than your

cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

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Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) 19yy <name of author>
```

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```
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```

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

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