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Overview

This document contains the Open Source Software licenses used in 2026-07-09-A-Release-24DCM Software

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License name	Component
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* Right now only x86 is being supported for beautifying ioctl args

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(alsa-topology-conf 1.2.2)

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(alsa-ucm-conf 1.2.12, Android - platform - hardware - qcom - wlan android-13.0.0_r16, platform-hardware-qcom-sm7250-gps android-13.0.0_r1)

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(kernel-msm android-13.0.0_r0.1)

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Version 2, June 1991

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busybox 1.30.0 null: https://busybox.net/

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coreutils 8.31 null: https://www.gnu.org/software/coreutils

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CPAN::Meta 2.142060 opensuse:perl-CPAN-Meta/2.142060-1.1/noarch: https://github.com/Perl-Toolchain-Gang/CPAN-Meta

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cryptlib 1.0.3 null: https://github.com/invalidred/cryptlib

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(c) P256_DIGIT(c, i) = (p256_digit)carry;

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        Copyright (C) Daniel Stenberg, <daniel@haxx.se>
        Copyright (C) Daniel Stenberg, <daniel@haxx.se>, et al.
        Copyright (C) John Malmberg
        copyright = sort
        copyright year checking on all
        copyright year checks against the year
        copyright year incorrect
        Copyright year out of date, should be
        copyright years are
        COPYRIGHT'      => 'file missing a copyright statement
        copyright) &&
        $copyright
        copyright)) {
    checkwarn("COPYRIGHT", 1, 0,
        copyright=();
  my
D-Bus 1.11.8 null: http://www.freedesktop.org/wiki/Software/dbus
        &copy))
    _dbus_assert_not_reached ("oom");
        &copy));
```

```
        _dbus_warn ("Byte-swapped data did not have same values as original data");
        &copy);

    _dbus_string_set_length (
        &copy);
}

/**
 * Gets the string and range of said string containing the signature
        &copy, 0))
        &copy, 0);
        &copy, 0,
        (c)
 * macro for checking if character c is a patch separator
        (c) & ~0x7f) == 0))
        (c) ((c)
        (c) (1) of DFARs.  Notwithstanding the
        (c) (2).  If you
        (c) (c ==
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https://at.projects.genivi.org/wiki/display/PROJ/Diagnostic+Log+and+Trace

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ExtUtils::ParseXS 3.35 oracle_linux:rh-perl526-perl-ExtUtils-ParseXS/1:3.35-2.el7/noarch: https://metacpan.org/release/ExtUtils-ParseXS

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```
        &copy))
  {
    if (copy
        &copy, alias) == 1)
        &copy, alias);
```

```
        &copy, current_language,
        &copy, inst, sizeof (aarch64_inst));
        &copy, NULL));
        &copy, sizeof (aarch64_inst));
        &copy;


assert (inst->opcode == NULL
        &copy[1
        (c)                 ((c) >=
        (c)                 (NON_NEGATIVE(c)
        (c)         ((c) -
        (c)         ((c) ==
        (c)         ((c) >=
        (c)         (0
        (c)         (IN_CTYPE_DOMAIN (c)
        (c)         (NON_NEGATIVE(c)
        (c)
            printf ("
        (c)   (isdigit((unsigned char)(c))
        (c) & 0x80) == 0))
        (c) (((c) ==
        (C) (((unsigned int) (C)
        (c) ((c)
        (c) ((c) - 128)
        (c) ((c) < 128)
        (c) ((c) < control_character_threshold
        (C) ((C) ==
        (c) ((c) > meta_character_threshold
```

(c) ((unsigned char)(c) == (c))

(c) ((unsigned char)c)

(c) ((YY_CHAR) (c))

(c) (_rl_lowercase_p(c)

(c) (_rl_uppercase_p(c)

(c) (ISALNUM(c)

(c) 1

(c) >> 8))

(c) ? UNCTRL (c) :

(c) ^ (b))

(c) _rl_to_upper(((c)

(c) isascii(c)

(c) it is buggy, in that the SEC_DATA

(c) the relocation is not 32 bits wide.

(c) yyunput(c, (yytext_ptr))

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```
        copyright FSF :-(.
        copyright header
        copyright header followed by
        copyright header of the files in the given list.
        copyright headers must be updated by hand:"
        copyright headers.  This script is only
        copyright script for that.
        copyright script prints
        Copyright' in line:
        copyright\n");
        COPYRIGHT\n");
        copyright\n", file);
GDB 9.1 debian:gdb/9.1-2: http://www.gnu.org/software/gdb/
        (c)
                rd
        (C)
                rd
        (c)


/* Macros to extract parts of instructions.
        (c)
    type(cart) :: c
        (c)
    type(cart_nd) :: c
        (c)
    type(nested_cart_3d) :: c
        (c)
  f
```

```
        (c)
    if (b) then
        (c)
    integer_return = pass_cart_nd(c_nd)
        (c)
    p
        (c)
#define E1
        (c)     (((c)->tcr
        (c)    (((c)->ccdr
        (c)    (((c)->pmgr
        (c)    (((c)->tcr
        (c)    (((c)->wtmr
        (c)   (((c)->itmr
        (c)   (((c)->tcr
        (c)   (((c)->wtmr
        (c)   ((c)->tisr
        (c)   (((c)->pmgr
        (c)   (((int) (c) << 8)
        (c)   ((c)->sdicr
        (c)   ((c)->sdisr
        (c)   ((c)->sfcr
        (c)   ((c)->tisr
        (c)  ((c)->sdicr
        (c) ((c)->base.pc_fetch)
        (c) ((c)->base.pc_store)
        (c) ((c)->base.reg_fetch)
        (c) ((c)->base.reg_store)
```

(c) ((c)->imr)

(c) cycles (memory_source

(c) dst

(C) ea

(C) is the return code for exiting with status C.

(c)<<16)

(c)<<16))

(C)<<srca);", 8

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GLib 2.0 null: https://gitlab.gnome.org/GNOME/glib

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(c) (G_TYPE_CHECK_CLASS_CAST ((c), G_TYPE_UNIX_CREDENTIALS_MESSAGE, GUnixCredentialsMessageClass))

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(c) ((c) ==

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(c) >> 4

(c) Use FAILED_PRECONDITION if the client should not retry until

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libmnl 1.0.5 null: http://netfilter.org/projects/libmnl/

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LibNet 3.11 oracle_linux:rh-perl526-perl-libnet/3.11-3.el7/noarch: http://libnet.sourceforge.net

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libnetfilter-conntrack-dev 1.0.9 alpine:libnetfilter_conntrack-dev/1.0.9-r1/x86_64: http://www.netfilter.org/projects/libnetfilter_conntrack/

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libnetfilter-cthelper0-dbg 1.0.0 debian:libnetfilter-cthelper/1.0.0-1: https://www.netfilter.org/projects/libnetfilter_cthelper/

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libnetfilter_queue 1.0.3 alpine:libnetfilter_queue-dev/1.0.3-r0/ppc64le

(C) 2005 by Harald Welte <laforge@gnumonks.org>

libnfnetlink 1.0.1 fedora:libnfnetlink-debugsource/1.0.1-32.fc44/x86_64: http://www.netfilter.org/projects/libnfnetlink/index.html

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libpcap 1.10.5 alpine:libpcap-dev/1.10.5-r1/riscv64: http://www.tcpdump.org

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libsamplerate 0.1.9 null: http://www.mega-nerd.com/SRC/index.html

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libscalar-list-utils-perl 1.50 ubuntu:libscalar-list-utils-perl/1:1.50-1: https://metacpan.org/release/Scalar-List-Utils

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libsemanage1 3.1 ubuntu:libsemanage/3.1-1: http://userspace.selinuxproject.org/

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libsndfile 1.0.28 suse:libsndfile-progs-debugsource/1.0.28-bp152.2.8/aarch64: http://www.mega-nerd.com/libsndfile/

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libsparse 0.2.0 null: https://github.com/antonybholmes/libsparse

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libtest-simple-perl 1.302162 ubuntu:libtest-simple-perl/1.302162-1: http://github.com/schwern/test-more/

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libunwind v1.3.2 null: http://www.nongnu.org/libunwind/

(c) ((c)->as->abi)

(c) ((c)->as->big_endian)

(c) ((c)->last_abi_marker)

(c) < 0)

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libunwind v1.3.2 ubuntu:libunwind/1.3.2-1: http://www.nongnu.org/libunwind/

(c) ((c)->as)

(c) ((c)->dwarf.as)

(c) ((c)->dwarf.ip)

(c) ((c)->ip)

(c) ((c)->as_arg)

(c) ((c)->dwarf.as_arg)

(c) 0

(c) ((unw_cursor_t

(c) < 0)

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lighttpd lighttpd-1.4.56-rc1 null: https://www.lighttpd.net

(c) ((void)0)

(c) assert(c)

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lvm2 2.03.06 fedora:lvm2/2.03.06-1.fc31/armv7hl: https://sourceware.org/lvm2/

(c)

_align_chunk(c, align);

(c)

_align_chunk(c, alignment);

(c)

```
        dm_pool_free(p, (char
(c)
        for p, value in h.items():
(c)
        VALGRIND_MAKE_MEM_UNDEFINED(c
```

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LZO real-time data compression library 2.10 ubuntu:liblzo2-dev/2.10-2/ppc64el:
http://www.oberhumer.com/opensource/lzo/

(c (c

(c (c

(c ((c)

(c (__lzo_gnuc_extension__ (c

(c (c

(c) (c)

define LZO_UINT16_C(c) (c

(c) (c)

define LZO_UINT32_C(c) (c

(c) (c)

define LZO_UINT64_C(c) (c

(c) ((c)

(c) (__lzo_gnuc_extension__ (c

(c) (c

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LZO real-time data compression library 2.10 unknown: http://www.oberhumer.com/opensource/lzo/

(c) ((LZO_ICAST(unsigned, c) - 48) < 10)

(c) ((LZO_ICAST(unsigned, c) - 65) < 26)

(c) ((LZO_ICAST(unsigned, c) - 97) < 26)

(c) (LZO_ICAST(int, c)

(c) (LZO_ICAST(int, c) - (lzo_ascii_islower(c) << 5))

(c) lzo_ascii_tolower(LZO_ITRUNC(unsigned char, c))

(c) lzo_ascii_toupper(LZO_ITRUNC(unsigned char, c))

(c) << 5))

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copyright string in the executable of your product.

copyright(void)

copyright(void);

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Mozilla Firefox 53.0.is.52.0.2 null: https://www.mozilla.org/en-US/firefox/

        &copy );

     if ( error )

        &copy );

   if ( error )

        &copy) :

   UObject(copy), fFilteredNorm2(NULL), fNorm2(NULL), fUMode(copy.fUMode),
fOptions(copy.fOptions),

        &copy, maybe_doc, clone_children);

        &copy, None);

        &copy->rgn, CONST_CAST

        &copy;2001 <a href="http://www.w3.org/"><abbr title="World Wide Web
Consortium">W3C</abbr></a><sup>

        (c)          (((c)

        (c)        ((((c) >=

        (c)

        fill = c.val;

        (c)


      self.dedent()
```

```
        (c)


 file_name =
        (c)


def GetWrapperMetadataName(self):
        (c)
         component_by_path
        (c)
     *c = rem;
        (c)
     drawn = set()
        (c)
     opname = dis.opname
        (c)
   set            list
        (c)
  * for all code points in the 64-block.
        (c)
  * must be called.
        (c)
 // transpose(r) and transpose(c) are in a sense free, since to get the
        (c)
 CHAR           c;
        (c)
 int            c;
        (c)
 unsigned int           c;
```

```
        (c)
  // This is (c a).
        (c)  ((((c) << 1)
        (c)  (((c)
        (c)  (((c) << 2)
        (c)  (((c) << 4)
        (c)  (c)
#elif GRID_XY == 64
        (C)  sin(
        (c) & 0x40) >> 6))
        (c) & uint32_t(0x03FF))
        (c) ((((c)
        (c) (((c) >=
        (c) (((c) >> 8)
        (c) (((c)->type)->dealloc(c))
        (c) ((0x590 <= (c))
        (c) ((AffixPattern::ETokenType) (((c) >> 8)
        (c) ((c)
        (c) ((c) -
        (c) ((c)->header.clip.path
        (c) ((PRUint8)c < 0x20
        (c) ((uint32_t(c) < UCS_END)
        (c) ((unsigned int) (unsigned char) c)
        (c) ((unsigned int)(unsigned char)c)
        (c) ((YY_CHAR) (c))
        (c) (c
        (c) (c < 0x20)
        (c) (c == C_DOUBLE_QUOTE
```

```
        (c) (c)
#else
        (c) (c==0x200E
        (c) (IS_VALID_CHAR(c)
        (C) (netCharType
        (c) (x2b
        (c) * (a));
        (c) * (FT_Long)( (AF_LatinMetrics)(metrics) )->units_per_em ) / 2048 )
        (c) * 0x8020LU
        (c) / divisor;
        (C) 1998 Raph Levien
        (C) 2001 ALTLinux, Moscow
        (C) 2001 ALTLinux, Moscow (http://www.alt-linux.org),
        (C) 2001 Peter Novodvorsky (nidd@cs.msu.su)
        (c) 2003, 2004, 2008 David Turner <david@freetype.org>
        (c) 2005, 2014 jQuery Foundation, Inc.
        (C) 2006, 2007, 2008 L
        (C) 2006, 2007, 2008, 2010 L
        (c) 2011 - Grant Galitz
        (c) 2012 - Grant Galitz
        (c) < 0)
        (c) < 128 for c in attrName)
        (c) < 128 for c in forwardToAttrName)
        (c) << "GetObjectClass returned NULL";
        (c) << 16)
        (c) << 2);
        (c) << 24)
        (c) << 4)
```

(c) << 8

(c) << 8)

(c) << name;

(c) > 0xff)

(c) > 1:

(c) >> 2) - (offset)))

(c) >> 3

(c) >> 3)

(c) >> 4

(c) >> 5)

(c) >> 7))

(c) >> 8)

(c) >> 8))

(c) ? c -

(c) ? c - L

(c) ? norm2.getCombiningClass(c) : 0;

(c) a pattern specified programmatically with a previous call to addPattern (which would only happen

(c) at

(c) at the end of the loop body.

(C) below are standard double-angle formulae. (D) is a lesser

(c) CAIRO_BITSWAP8(c)

(c) char16_t(char16_t(uint32_t(c) >> 10)

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(c) cp1047_8859_1

(c) defaults to lo=0 and hi=len-1.

(c) EOF

(c) for c in cases

(c) for c in configs

(c) for c in reversed(label)

(c) for c in self.baseConstructors

(C) from above:

(c) GenerateFrame that occurs

(c) GETFROMPCK(((unsigned char)(c)), mModel->classTable)

(c) if the image is palettized and we need to convert.

(c) in bits 15..8 and tccc(c) in bits 7..0.

(c) memchr(hexCharsUpperLower, c, sizeof(hexCharsUpperLower) - 1)

(c) OK -- the last thing we parsed was flex-grow, so look for a

(c) OT_UINT8(d)

(c) supports both

(c) the owning element will return

(c) the string that was handed to CoreText, which contains the text of

(c) there is clear notice in each modified Data File or in the Software

(c) yyunput(c, yyg->yytext_ptr , yyscanner)

(c) yyunput(c, yytext_ptr)

(c)&255, (d)

(c)&7)))

(c)&~CANON_NOT_SEGMENT_STARTER;

(c)*(a))/255)

(c)<<4)

```
        (c)?(d=c,c=b):typeof c==\"object\"
        (c)?a
        (c)?a.setAttribute(
        (c)?b:void 0
        (c)?d=\
        (c)?d=m._data(a,b,m.makeArray(c)):d.push(c)),d
        (c)?f.map(c,function(\
        (c)?i
        (c)?m(a).position()
        (c)?m.map(c,function(a)
        (c)?m.parseJSON(c):c
        (c)?rc
        (c)?x:w));if(d
        (c)|0))
        (c)|0;if((b
        (c)|0;if(e
        copy right/top part
        Copyright
    case (12U << 8)
        Copyright
    case 3:   // FullName
        copyright
 0,
        Copyright
 * <pre>
        Copyright
#
# Return True if this change is only a one line change in the copyright notice
```

copyright include the ICU copyright notice\n"

copyright = 0xFFFFU;

copyright include a copyright notice\n");

copyright include copyright notice\n");

copyright include a copyright notice\n"

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copyright = (p

copyright = NULL;

Copyright = options

Copyright = self.BuildComment(

copyright = U_COPYRIGHT_STRING;

Copyright ? U_COPYRIGHT_STRING : NULL, errorCode);

Copyright ? U_COPYRIGHT_STRING : NULL, status);

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        Copyright')


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        Copyright')


def Arrive(self, node, filenode):
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  fileinfo = filenode.GetChildren()
        Copyright'))
  out.Write(
        Copyright'):
    return set(
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        Copyright(c) 2014, Intel Corp.
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Copyright(change):

Copyright(change): return False

Copyright(char16_t

Copyright(cright_node))

Copyright(cright_node, cpp_style=True))

Copyright(filename, lines, error)

Copyright(filename, lines, error):

Copyright(out)

Copyright(self, node, cpp_style=False):

Copyright(self, out):

Copyright(TRUE);

copyright) printf(",

Copyright) {

return NS_ERROR_NOT_IMPLEMENTED;

copyright);

printf("\n");

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        Copyright: Copyright (C) 2006 Cairo Lover")
        copyright;


  /**
   * the personal dictionary
        Copyright;

/* prototypes
        Copyright;

class Normalizer2DataBuilder
        copyright;
  int original;
        copyright;
  print
        copyright;00A9
        Copyright</a>
        Copyright=options
        Copyright=TRUE;
        copyright>
```

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 This file is provided under a dual BSD/GPLv2 license.  When using or
        copyright> */


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mruby 2.0.1 debian:mruby/2.0.1-1: https://github.com/mruby/mruby
        (c)
 '0123456789BFiuz
        (c) & 0x5f) : (c))
        (c) ((((unsigned char)(c))
        (c) ((((unsigned)(c)
        (c) (((unsigned)(c) -
        (c) (((unsigned)(c) - 0x20) < 0x5f)
        (c) ((c) ==
        (c) ((signed char)(c))
        (c) ((unsigned)(c) < 0x20
        (c) ((unsigned)(c) <= 0x7f)
        (c) (enum mrb_vtype)((c)->flags
        (c) (ISALNUM(c)
        (c) (ISALPHA(c)
        (c) (ISDIGIT(c)
        (c) (ISLOWER(c)
        (c) (ISUPPER(c)
        (c) (SIGN_EXTEND_CHAR(c)
        (c) ? ((c) -
        (c) mark_context(mrb, c);
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(C)

```
    elements.push_back(el);                                    // MAY THROW (C)
```

```
(c)     ((c)
```

```
(c)     (c)
```

```
#else
```

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```
(c) Any expression implicitly convertible to the single type
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(c) BOOST_HOF_PP_PRIMITIVE_CAT(BOOST_HOF_PP_IIF_, c)
```

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        &copy);
        errnum_assert (rc >= 0, -rc);
        &copy);
    }
    else
        &copy, msg);
```

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net-tools 1.60 null: https://sourceforge.net/projects/net-tools/

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http://www.infradead.org/~tgr/libnl/

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OpenSSL 1.1.1q opensuse:openssl-1_1-debugsource/1.1.1q-1.1/s390x: https://www.openssl.org

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&copy[copy.size() - len

(c) < 0);

(c) > 0);

(c) for c in self.testcases)

(c) it reports overflows via errno.

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Protobuf 3.25.3 debian:php-google-protobuf/3.25.3-1/all: https://github.com/protocolbuffers/protobuf

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rapidjson 1.0.0 null: http://rapidjson.org/

(c) & 0x3FF) << 10;

(c) & 0x3FF);

(c) & 0x3Fu)

(c) & 0xF

(c) & 0xFFu));

(c) // No further decoding when

(c) < 0x20))

(c) < 256)

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S-Lang 2.3.2 null: http://www.jedsoft.org/slang

(c) (Char_Type_Table

(c) isupper(c)

(c)

return -1;

(c)

return -1;

(c) (((c)==

(c) (((c)>=

(C)&(D)))

(C)^(D))

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(C)

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(c)

** 7: (c, 100)

(C) t1.x=t2.y OR (t1.x=t2.z AND t1.y=15)

(C) (((c=C)>=0x42

(C) ((sqlite3CtypeMap

(c) All of the following are true:

(C) The content of every column in the row.

(c) The page number is greater than the largest page that existed in

(C) Unique index that do use OE_Replace by default.

(C) (((ch=C)

(C) (strlen(C)

(c) above

(c) Column "a" has an affinity other than NONE or BLOB.

(c) if EXCLUSIVE is set, then CREATE must also be set.

(c) that the size-of-header varint

(c) the connection holds a write-lock on the table (if required),

(c) the file system is read-only, then enable no-locking access.

(c) the shared lock taken on the

(c) The system is under memory pressure and wants to avoid

(C) to sqlite3_autovacuum_pages(D,C,P,X) is a NULL pointer,

(c) when a value that is part of set X is

(c)<<4)

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tcpdump 4.99.5 null: http://www.tcpdump.org/

(c) (!((c)

(c) ((c)

(c) (((c) >=

(c) ((c) > 0x20

(c) ((c) >=

(c) ((c) >= 0x20

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(c) ((c)

(c) (isdigit(c)

(c)

cur_col -= c->c_width;

(c)

*c = blk->scsi_channel;

(c) (1)

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(rapidjson 1.0.0)

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(wpa_supplicant - IEEE 802.1X, WPA, WPA2, RSN, IEEE 802.11i 2.10)

2016-2021, Andrej Shadura <andrewsh@debian.org>

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(libtirpc 1.0.1, RPCBind 1.2.5)

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(tinyalsa/tinyalsa 1.1.1)

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(google-re2 2023-03-01, iperf 0.1.0-beta.5, libcap 2.66, libpcap 1.10.5, libtheora 1.2.0~alpha1, lighttpd lighttpd-1.4.56-rc1, Linux-Pam 1.3.1, NFS 2.4.2, OpenSSH 9.1p1, opus codec 1.2.1, platform-hardware-qcom-data-ipacfg-mgr, Protobuf 3.25.3, tcpdump 4.99.5)

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(libarchive 3.4.2)

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(libvpx 1.6.1)

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(libunwind v1.3.2, woff2 1.0.2)

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signature of Ty Coon, 1 April 1989

Ty Coon, President of Vice

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(coreutils 8.31, GDB 9.1, PatchELF 0.5)

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Version 3, 29 June 2007

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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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(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.)

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

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

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Version 2.1, February 1999

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(liblog 1.1.1)

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(mruby 2.0.1)

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(alsa-state 0.2.0, c-ares 1.28.0, cJSON 1.8.0, curl 2.1.3-1, iperf 0.1.0-beta.5, libsparse 0.2.0, libtar 1.2.11, NFS 2.4.2, popt 1.16, usb-composition 1.0)

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(json-c 0.13)

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(dlt-daemon v2.18.10, GENIVI/capicxx-core-runtime 3.1.12, Mozilla Firefox 53.0.is.52.0.2, NSPR 4.19.0, vsomeip 3.1.20.3)

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