Open Source Used In NX-OS System Software 10.3(1)F

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   1.263.1 Available under license
1.264 scapy 1.10.0
   1.264.1 Available under license
1.265 sed 4.1.5
   1.265.1 Available under license
1.266 coreutils 8.30
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1.267 pep517 0.11.0
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1.268 pinentry 1.1.0

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   1.269.1 Available under license
1.270 dmidecode 3.5
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1.271 rfc3987 1.3.7
   1.271.1 Available under license
1.272 visual-studio-runtime 14.00.24210.0
   1.272.1 Available under license
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   1.276.1 Available under license
1.277 init-ifupdown 1.0-r7
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   1.281.1 Available under license
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1.285 libnl3 3.4.0
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1.286 cheroot 6.4.0
   1.286.1 Available under license
1.287 cffi 1.11.5
   1.287.1 Available under license
1.288 sudo 1.9.5p2-r0
   1.288.1 Available under license
1.289 xinetd 2.3.3
   1.289.1 Available under license
1.290 incron 0.5.10-r0
   1.290.1 Available under license
1.291 e2fsprogs 1.45.6-r0
   1.291.1 Available under license
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   1.292.1 Available under license
1.293 mtd-utils 2.0.2
   1.293.1 Available under license
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   1.294.1 Available under license
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1.299 ethtool 4.19
   1.299.1 Available under license
1.300 initramfs-boot 1.0-r2.0
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1.301 libksba 1.3.5
   1.301.1 Available under license
1.302 pyasn1 0.4.4-1.ph3
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1.305 curl 7.83.1
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1.306 psutil 5.8.0
   1.306.1 Available under license
1.307 wcwidth 0.1.7-2.ph3
1.307.1 Available under license
1.308 popt 1.16
   1.308.1 Available under license
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1.310 libdevmapper 1.02.149
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   1.313.1 Available under license
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   1.315.1 Available under license
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1.317 urllib3 1.25.8
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1.318 libcap-ng 0.7.9-r0
   1.318.1 Available under license
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1.1 idna 2.7-1.ph3
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   ===
   A library to support the Internationalised Domain Names in Applications (IDNA)
   protocol as specified in RFC 5890 et.al. This new methodology, known as IDNA
   2008, can generate materially different results to the previous standard. The library
   can act as a drop-in replacement for the "encodings.idna" module.

   ===

   import io, sys
   from setuptools import setup
def main():

    python_version = sys.version_info[:2]
    if python_version < (2,6):
        raise SystemExit("Sorry, Python 2.6 or newer required")

    package_data = {}
    exec(open('idna/package_data.py').read(), package_data)

    arguments = {
        'name': 'idna',
        'packages': ['idna'],
        'version': package_data['__version__'],
        'description': 'Internationalized Domain Names in Applications (IDNA)',
        'long_description': io.open("README.rst", encoding="UTF-8").read(),
        'author': 'Kim Davies',
        'author_email': 'kim@cynosure.com.au',
        'license': 'BSD-like',
        'url': 'https://github.com/kjd/idna',
        'classifiers': [
            'Development Status :: 5 - Production/Stable',
            'Intended Audience :: Developers',
            'Intended Audience :: System Administrators',
            'License :: OSI Approved :: BSD License',
            'Operating System :: OS Independent',
            'Programming Language :: Python',
            'Programming Language :: Python :: 2.6',
            'Programming Language :: Python :: 2.7',
            'Programming Language :: Python :: 3',
            'Programming Language :: Python :: 3.3',
            'Programming Language :: Python :: 3.4',
            'Programming Language :: Python :: 3.5',
            'Programming Language :: Python :: 3.6',
            'Topic :: Internet :: Name Service (DNS)',
            'Topic :: Software Development :: Libraries :: Python Modules',
            'Topic :: Utilities',
        ],
        'test_suite': 'tests',
    }

    setup(**arguments)

    if __name__ == '__main__':
        main()

    Found in path(s):
    * /opt/cola/permits/1161616786_1621638310.0/0/idna-2-7-1-tar-gz/idna-2.7/setup.py
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$Id: COPYING,v 1.1.1.1 2003/06/26 21:55:10 route Exp $

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to copy the Corresponding Source from a network server at no charge.

@item
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the ```copyright``' line and a pointer to where the full notice is found.

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@end example

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

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

@example
@var{program} Copyright (C) @var{year} @var{name of author}
This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}.
This is free software, and you are welcome to redistribute it
under certain conditions; type @samp{show c} for details.
@end example

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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
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That's all there is to it!
/* Native-dependent code for modern AMD64 BSD's.

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along with this program. If not, see <http://www.gnu.org/licenses/>. */

#ifndef AMD64_BSD_NAT_H
#define AMD64_BSD_NAT_H

#include "x86-bsd-nat.h"

/* Helper functions. See definitions. */
extern void amd64bsd_fetch_inferior_registers (struct regcache *regcache,
    int regnum);
extern void amd64bsd_store_inferior_registers (struct regcache *regcache,
    int regnum);

/* A prototype *BSD/AMD64 target. */

template<typename BaseTarget>
class amd64_bsd_nat_target : public x86bsd_nat_target<BaseTarget>
{
    public:
        void fetch_registers (struct regcache *regcache, int regnum) override
        { amd64bsd_fetch_inferior_registers (regcache, regnum); }

        void store_registers (struct regcache *regcache, int regnum) override
        { amd64bsd_store_inferior_registers (regcache, regnum); }
    };

#endif /* i386-bsd-nat.h */
BEGIN{
    FS="\"";
    print "/* ==> Do not modify this file!! " \"" \
    "-.- buffer-read-only: t -.- vi" \n    ":set ro:";
    print 
    " It is created automatically by copying.awk."
    print 
    " Modify copying.awk instead. <= *=="/n
    print 
    
    "#include \"defs.h\""
    print 
    "#include \"command.h\""
    print 
    "#include \"gdbcmd.h\"
    print 
    " static void show_copying_command (const char *, int);"
    print 
    " static void show_warranty_command (const char *, int);"
    print 
    " static void"
    print 
    " show_copying_command (const char *ignore, int from_tty);"
    print 
    "{";

    NR == 1;^[ ]*15. Disclaimer of Warranty^[ ]*$/{
        if ($0 ~ /^\[/ )
        {
            printf " printf_filtered (\"\n\n\n";
        }
        else if ($0 !~ /^\[/ )
        {
            printf " printf_filtered (";  
            for (i = 1; i < NF; i++)
                printf "\", $i;
            printf "\n\n", $NF;
        }
    }

    /[ ]*15. Disclaimer of Warranty^[ ]*$/{
        print "}
        print ""
        print " static void":
        print " show_warranty_command (const char *ignore, int from_tty);"
        print "{";

    }

    /[ ]*15. Disclaimer of Warranty^[ ]*$/, /[ ]*END OF TERMS AND CONDITIONS[ ]*$/{
        if (! ($0 ~ /[ ]*END OF TERMS AND CONDITIONS[ ]*$))
        {
            printf " printf_filtered (";
            for (i = 1; i < NF; i++)
                printf "\", $i;
            printf "\n\n", $NF;
        }
    }
}

Open Source Used In NX-OS System Software 10.3(1)F  77
END{
  print "]");
  print ");
  print ":
  print "void"
  print ":initialize_copying (void)"
  print ":
  print "add_cmd ("copying", no_set_class, show_copying_command,"
  print "(("Conditions for redistributing copies of GDB."),
  print "&showlist);"
  print "add_cmd ("warranty", no_set_class, show_warranty_command,"
  print "(("Various kinds of warranty you do not have."),
  print "&showlist);"
  print "
  print ": For old-timers, allow \"info copying\", etc. */
  print "add_info ("copying", show_copying_command,"
  print "(("Conditions for redistributing copies of GDB."));"
  print "add_info ("warranty", show_warranty_command,"
  print "(("Various kinds of warranty you do not have."));"
  print "]");
}
/* BSD Kernel Data Access Library (libkvm) interface.

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#define _KMEMUSER
#include "defs.h"
#include "cli/cli-cmds.h"
#include "command.h"
#include "frame.h"
#include "regcache.h"
#include "target.h"
#include "value.h"
#include "bsd-kvm.h"

/* Kernel memory device file. */
static const char *bsd_kvm_corefile;

/* Kernel memory interface descriptor. */
static kvm_t *core_kd;

/* Address of process control block. */
static struct pcb *bsd_kvm_paddr;

/* Pointer to architecture-specific function that reconstructs the
 register state from PCB and supplies it to REGCACHE. */
static int (*bsd_kvm_supply_pcb)(struct regcache *regcache, struct pcb *pcb);

/* This is the ptid we use while we're connected to kvm. The kvm
target currently doesn't export any view of the running processes,
so this represents the kernel task. */
static ptid_t bsd_kvm_ptid;

/* The libkvm target. */
static const target_info bsd_kvm_target_info = {
    "kvm",
    N_("Kernel memory interface"),
    N_("Use a kernel virtual memory image as a target."
    "Optionally specify the filename of a core dump."),
};

class bsd_kvm_target final : public target_ops
{
public:
bsd_kvm_target()
{ this->to_stratum = process_stratum; }

const target_info &info () const override
{ return bsd_kvm_target_info; }

void close () override;

void fetch_registers (struct regcache *, int) override;
enum target_xfer_status xfer_partial (enum target_object object,
const char *annex,
gdb_byte *readbuf,
const gdb_byte *writebuf,
ULONGEST offset, ULONGEST len,
ULONGEST *xfered_len) override;

void files_info () override;
bool thread_alive (ptid_t ptid) override;
const char *pid_to_str (ptid_t) override;

bool has_memory () override { return true; }
bool has_stack () override { return true; }
bool has_registers () override { return true; }

/* Target ops for libkvm interface. */
static bsd_kvm_target bsd_kvm_ops;

static void
bsd_kvm_target_open (const char *arg, int from_tty)
{ char errbuf[POSIX2_LINE_MAX];
  char *execfile = NULL;
  kvm_t *temp_kd;
  char *filename = NULL;

  target_preopen (from_tty);

  if (arg)
  { char *temp;

    filename = tilde_expand (arg);
    if (filename[0] != '/')
    { temp = concat (current_directory, "/", filename, (char *)NULL);
      xfree (filename);
      filename = temp;
  }
execfile = get_exec_file (0);
temp_kd = kvm_openfiles (execfile, filename, NULL,
    write_files ? O_RDWR : O_RDONLY, errbuf);
if (temp_kd == NULL)
    error ((%"s"), errbuf);

bsd_kvm_corefile = filename;
unpush_target (&bsd_kvm_ops);
core_kd = temp_kd;
push_target (&bsd_kvm_ops);

add_thread_silent (bsd_kvm_ptid);
inferior_ptid = bsd_kvm_ptid;

target_fetch_registers (get_current_regcache (), -1);

reinit_frame_cache ();
print_stack_frame (get_selected_frame (NULL), 0, SRC_AND_LOC, 1);
}

void
bsd_kvm_target::close ()
{
    if (core_kd)
    {
        if (kvm_close (core_kd) == -1)
            warning ((%"s"), kvm_geterr(core_kd));
        core_kd = NULL;
    }

    inferior_ptid = null_ptid;
discard_all_inferiors ();
}

static LONGEST
bsd_kvm_xfer_memory (CORE_ADDR addr, ULONGEST len,
    gdb_byte *readbuf, const gdb_byte *writebuf)
{
    ssize_t nbytes = len;

    if (readbuf)
        nbytes = kvm_read (core_kd, addr, readbuf, nbytes);
    if (writebuf && nbytes > 0)
        nbytes = kvm_write (core_kd, addr, writebuf, nbytes);
    return nbytes;
}
enum target_xfer_status
bsd_kvm_target::xfer_partial (enum target_object object,
   const char *annex, gdb_byte *readbuf,
   const gdb_byte *writebuf,
   ULONGEST offset, ULONGEST len, ULONGEST *xfered_len)
{
   switch (object)
   {
   case TARGET_OBJECT_MEMORY:
   {
   LONGEST ret = bsd_kvm_xfer_memory (offset, len, readbuf, writebuf);

   if (ret < 0)
      return TARGET_XFER_E_IO;
   else if (ret == 0)
      return TARGET_XFER_EOF;
   else
      {
      *xfered_len = (ULONGEST) ret;
      return TARGET_XFER_OK;
      }
   }
   default:
   return TARGET_XFER_E_IO;
   }
}

void
bsd_kvm_target::files_info ()
{
if (bsd_kvm_corefile && strcmp (bsd_kvm_corefile, _PATH_MEM) != 0)
   printf_filtered (_("Using the kernel crash dump %s.\n"),
      bsd_kvm_corefile);
else
   printf_filtered (_("Using the currently running kernel.\n"));
}

/* Fetch process control block at address PADDR. */

static int
bsd_kvm_fetch_pcb (struct regcache *regcache, struct pcb *paddr)
{
   struct pcb pcb;

   if (kvm_read (core_kd, (unsigned long) paddr, &pcb, sizeof pcb) == -1)
error ("%s"), kvm_geterr (core_kd));

gdb_assert (bsd_kvm_supply_pcb);
return bsd_kvm_supply_pcb (regcache, &pcb);
}

void
bsd_kvm_target::fetch_registers (struct regcache *regcache, int regnum)
{
struct nlist nl[2];

if (bsd_kvm_paddr)
{
    bsd_kvm_fetch_pcb (regcache, bsd_kvm_paddr);
    return;
}

/* On dumping core, BSD kernels store the faulting context (PCB)
in the variable "dumppcb". */
memset (nl, 0, sizeof nl);
nl[0].n_name = "_dumppcb";

if (kvm_nlist (core_kd, nl) == -1)
    error ("%s"), kvm_geterr (core_kd));

if (nl[0].n_value != 0)
{
    /* Found dumppcb. If it contains a valid context, return
    immediately. */
    if (bsd_kvm_fetch_pcb (regcache, (struct pcb *) nl[0].n_value))
        return;
}

/* Traditional BSD kernels have a process proc0 that should always
be present. The address of proc0's PCB is stored in the variable
"proc0paddr". */
memset (nl, 0, sizeof nl);
nl[0].n_name = "_proc0paddr";

if (kvm_nlist (core_kd, nl) == -1)
    error ("%s"), kvm_geterr (core_kd));

if (nl[0].n_value != 0)
{
    struct pcb *paddr;

    /* Found proc0paddr. */
if (kvm_read (core_kd, nl[0].n_value, &paddr, sizeof paddr) == -1)
    error ("%s"), kvm_geterr (core_kd));

    bsd_kvm_fetch_pcb (regcache, paddr);
    return;
}
#endif

/* In FreeBSD kernels for 5.0-RELEASE and later, the PCB no longer
   lives in `struct proc' but in `struct thread'. The `struct
   thread' for the initial thread for proc0 can be found in the
   variable "thread0". */

memset (nl, 0, sizeof nl);
nl[0].n_name = "_thread0";

if (kvm_nlist (core_kd, nl) == -1)
    error ("%s"), kvm_geterr (core_kd));

if (nl[0].n_value != 0)
{
    struct pcb *paddr;

    /* Found thread0. */
    nl[0].n_value += offsetof (struct thread, td_pcb);
    if (kvm_read (core_kd, nl[0].n_value, &paddr, sizeof paddr) == -1)
        error ("%s"), kvm_geterr (core_kd));

    bsd_kvm_fetch_pcb (regcache, paddr);
    return;
}
#endif

/* i18n: PCB == "Process Control Block". */
error ("Cannot find a valid PCB");
}

/* Kernel memory interface commands. */
struct cmd_list_element *bsd_kvm_cmdlist;

static void
bsd_kvm_cmd (const char *arg, int fromtty)
{
    /* ??? Should this become an alias for "target kvm"? */
}
#endif

#ifndef HAVE_STRUCT_THREAD_TD_PCB
static void
bsd_kvm_proc_cmd (const char *arg, int fromtty)
{
    CORE_ADDR addr;

    if (arg == NULL)
        error_no_arg (_("proc address"));

    if (core_kd == NULL)
        error (_("No kernel memory image.");

    addr = parse_and_eval_address (arg);
    #ifdef HAVE_STRUCT_LWP
    addr += offsetof (struct lwp, l_addr);
    #else
    addr += offsetof (struct proc, p_addr);
    #endif
    if (kvm_read (core_kd, addr, &bsd_kvm_paddr, sizeof bsd_kvm_paddr) == -1)
        error ("%s", kvm_geterr (core_kd));

    target_fetch_registers (get_current_regcache (), -1);
    reinit_frame_cache ();
    print_stack_frame (get_selected_frame (NULL), 0, SRC_AND_LOC, 1);
}

static void
bsd_kvm_pcb_cmd (const char *arg, int fromtty)
{
    if (arg == NULL)
        /* i18n: PCB == "Process Control Block". */
        error_no_arg (_("pcb address"));

    if (core_kd == NULL)
        error (_("No kernel memory image.");

    bsd_kvm_paddr = (struct pcb *)(u_long) parse_and_eval_address (arg);

    target_fetch_registers (get_current_regcache (), -1);
    reinit_frame_cache ();
    print_stack_frame (get_selected_frame (NULL), 0, SRC_AND_LOC, 1);
}
bool
bsd_kvm_target::thread_alive (ptid_t ptid)
{
    return true;
}

const char *
bsd_kvm_target::pid_to_str (ptid_t ptid)
{
    static char buf[64];
    xsnprintf (buf, sizeof buf, "<kvm>");
    return buf;
}

/* Add the libkvm interface to the list of all possible targets and
register CUPPLY_PCB as the architecture-specific process control
block interpreter. */

void
bsd_kvm_add_target (int (*supply_pcb)(struct regcache *, struct pcb *))
{
    gdb_assert (bsd_kvm_supply_pcb == NULL);
    bsd_kvm_supply_pcb = supply_pcb;

    add_target (bsd_kvm_target_info, bsd_kvm_target_open);

    add_prefix_cmd ("kvm", class_obscure, bsd_kvm_cmd, _("Generic command for manipulating the kernel memory interface.").
                        &bsd_kvm_cmdlist, "kvm ", 0, &cmdlist);

    #ifndef HAVE_STRUCT_THREAD_TD_PCB
    add_cmd ("proc", class_obscure, bsd_kvm_proc_cmd,
            _("Set current context from proc address"), &bsd_kvm_cmdlist);
    #endif
    add_cmd ("pcb", class_obscure, bsd_kvm_pcb_cmd,
            /* i18n: PCB == "Process Control Block". */
            _("Set current context from pcb address"), &bsd_kvm_cmdlist);

    /* Some notes on the ptid usage on this target.

    The pid field represents the kvm inferior instance. Currently,
    we don't support multiple kvm inferiors, but we start at 1
    anyway. The lwp field is set to != 0, in case the core wants to
    refer to the whole kvm inferior with ptid(1,0,0).

    If kvm is made to export running processes as gdb threads,
    the following form can be used:
    ptid (1, 1, 0) -> kvm inferior 1, in kernel
ptid (1, 1, 1) -> kvm inferior 1, process 1
ptid (1, 1, 2) -> kvm inferior 1, process 2
ptid (1, 1, n) -> kvm inferior 1, process n */

bsd_kvm_ptid = ptid_t (1, 1, 0);
}
/* Native-dependent code for x86 BSD's.

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along with this program. If not, see <http://www.gnu.org/licenses/>. */

#ifndef X86_BSD_NAT_H
#define X86_BSD_NAT_H

#include "x86-nat.h"

/* Low level x86 XSAVE info. */
extern size_t x86bsd_xsave_len;

/* A prototype *BSD/x86 target. */
template<typename BaseTarget>
class x86bsd_nat_target : public x86_nat_target<BaseTarget>
{
    using base_class = x86_nat_target<BaseTarget>;

public:
    #ifdef HAVE_PT_GETDBREGS
    void mourn_inferior () override
    {
        x86_cleanup_dregs ();
        base_class::mourn_inferior ();
    }
    #endif /* HAVE_PT_GETDBREGS */
};
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Version 3, 29 June 2007

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/* Native-dependent code for modern i386 BSD's. */

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#ifndef I386_BSD_NAT_H
#define I386_BSD_NAT_H

/* Helper functions. See definitions. */
extern void i386bsd_fetch_inferior_registers (struct regcache *regcache,
    int regnum);
extern void i386bsd_store_inferior_registers (struct regcache *regcache,
    int regnum);

/* A prototype *BSD/i386 target. */

template<typename BaseTarget>
class i386_bsd_nat_target : public x86bsd_nat_target<BaseTarget>
{
    public:
    void fetch_registers (struct regcache *regcache, int regnum) override
    { i386bsd_fetch_inferior_registers (regcache, regnum); }
    
    void store_registers (struct regcache *regcache, int regnum) override
    { i386bsd_store_inferior_registers (regcache, regnum); }
};

#endif /* i386-bsd-nat.h */

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[This is the first released version of the library GPL. It is
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"""copyright.py
This script updates the list of years in the copyright notices in
most files maintained by the GDB project.
Usage: cd src/gdb && python copyright.py
Always review the output of this script before committing it!

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import datetime
import os
import os.path
import subprocess

def get_update_list():
    """Return the list of files to update.

    Assumes that the current working directory when called is the root
    of the GDB source tree (NOT the gdb/ subdirectory!).  The names of
    the files are relative to that root directory.
    """
    result = []
    for gdb_dir in ('gdb', 'sim', 'include/gdb'):
        for root, dirs, files in os.walk(gdb_dir, topdown=True):
            for dirname in dirs:
                reldirname = "%s/%s" % (root, dirname)
                if (dirname in EXCLUDE_ALL_LIST
                    or reldirname in EXCLUDE_LIST
                    or reldirname in NOT_FSF_LIST
                    or reldirname in BY_HAND):
                    # Prune this directory from our search list.
                    dirs.remove(dirname)
            for filename in files:
                relpath = "%s/%s" % (root, filename)
                if (filename in EXCLUDE_ALL_LIST
                    or relpath in EXCLUDE_LIST
                    or relpath in NOT_FSF_LIST
                    or relpath in BY_HAND):
                    # Ignore this file.
                    pass
                else:
                    result.append(relpath)
    return result

def update_files(update_list):
    """Update the copyright header of the files in the given list.

    We use gnulib's update-copyright script for that.
    """
    # We want to use year intervals in the copyright notices, and
all years should be collapsed to one single year interval,
even if there are "holes" in the list of years found in the
original copyright notice (OK'ed by the FSF, case [gnu.org #719834]).

# Perform the update, and save the output in a string.
update_cmd = ['bash', 'gdb/gnulib/import/extra/update-copyright']
update_cmd += update_list

p = subprocess.Popen(update_cmd, stdout=subprocess.PIPE,
stderr=subprocess.STDOUT)
update_out = p.communicate()[0]

# Process the output. Typically, a lot of files do not have
# a copyright notice :-(. The update-copyright script prints
# a well defined warning when it did not find the copyright notice.
# For each of those, do a sanity check and see if they may in fact
# have one. For the files that are found not to have one, we filter
# the line out from the output, since there is nothing more to do,
# short of looking at each file and seeing which notice is appropriate.
# Too much work! (~4,000 files listed as of 2012-01-03).
update_out = update_out.splitlines()
warning_string = ': warning: copyright statement not found'
warning_len = len(warning_string)

for line in update_out:
    if line.endswith("n"):
        line = line[:-1]
    if line.endswith(warning_string):
        filename = line[:-warning_len]
        if may_have_copyright_notice(filename):
            print line
        else:
            # Unrecognized file format. !?!
            print "*** " + line

def may_have_copyright_notice(filename):
    """Check that the given file does not seem to have a copyright notice.

    The filename is relative to the root directory.
    This function assumes that the current working directory is that root
directory.

    The algorithm is fairly crude, meaning that it might return
some false positives. I do not think it will return any false
negatives... We might improve this function to handle more
complex cases later...""

    The filename is relative to the root directory.
    This function assumes that the current working directory is that root
directory.

    The algorithm is fairly crude, meaning that it might return
some false positives. I do not think it will return any false
negatives... We might improve this function to handle more
complex cases later...
# For now, it may have a copyright notice if we find the word
# "Copyright" at the (reasonable) start of the given file, say
# 50 lines...
MAX_LINES = 50

fd = open(filename)
lineno = 1
for line in fd:
    if 'Copyright' in line:
        return True
    lineno += 1
if lineno > 50:
    return False
return False

def main ():
    """The main subprogram.""
    if not os.path.isfile("gnulib/import/extra/update-copyright"):
        print "Error: This script must be called from the gdb directory."
    root_dir = os.path.dirname(os.getcwd())
    os.chdir(root_dir)

    update_list = get_update_list()
    update_files (update_list)

    # Remind the user that some files need to be updated by HAND...

    if MULTIPLE_COPYRIGHT_HEADERS:
        print
        print("\033[31m""
             "REMINDER: Multiple copyright headers must be updated by hand:" 
             "\033[0m")
        for filename in MULTIPLE_COPYRIGHT_HEADERS:
            print " ", filename

    if BY_HAND:
        print
        print "\033[31mREMINDER: The following files must be updated by hand." \
             "\033[0m"
        for filename in BY_HAND:
            print " " , filename

############################################################################
#
# Some constants, placed at the end because they take up a lot of room.

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# The actual value of these constants is not significant to the understanding
# of the script.
#
# ############################################################################

# Files which should not be modified, either because they are
# generated, non-FSF, or otherwise special (e.g. license text,
# or test cases which must be sensitive to line numbering).
#
# Filenames are relative to the root directory.
EXCLUDE_LIST = (
    'gdb/nat/glibc_thread_db.h',
    'gdb/CONTRIBUTE',
    'gdb/gnulib/import'
)

# Files which should not be modified, either because they are
# generated, non-FSF, or otherwise special (e.g. license text,
# or test cases which must be sensitive to line numbering).
#
# Matches any file or directory name anywhere. Use with caution.
# This is mostly for files that can be found in multiple directories.
# Eg: We want all files named COPYING to be left untouched.
EXCLUDE_ALL_LIST = (  
    "COPYING", "COPYING.LIB", "CVS", "configure", "copying.c",  
    "fdl.texi", "gpl.texi", "aclocal.m4",  
)

# The list of files to update by hand.
BY_HAND = (  
    # Nothing at the moment :-).  
)

# Files containing multiple copyright headers. This script is only
# fixing the first one it finds, so we need to finish the update
# by hand.
MULTIPLE_COPYRIGHT.Headers = (  
    "gdb/doc/gdb.texinfo",  
    "gdb/doc/refcard.tex",  
    "gdb/gdbarch.sh",  
)

# The list of file which have a copyright, but not head by the FSF.
# Filenames are relative to the root directory.
NOT_FSF_LIST = (  
    "gdb/exc_request.defs",  
    "gdb/gdbtk",  
)
"gdb/testsuite/gdb.gdbtk/",
"sim/arm/armmenu.h", "sim/arm/armos.c", "sim/arm/gdbhost.c",
"sim/arm/dbg_hif.h", "sim/arm/dbg_conf.h", "sim/arm/communicate.h",
"sim/arm/armos.h", "sim/arm/armcpro.c", "sim/arm/armmenu.c",
"sim/arm/kid.c", "sim/arm/thumbemu.c", "sim/arm/armdefs.h",
"sim/arm/armoptns.h", "sim/arm/dbg_hif.c", "sim/arm/communicate.c",
"sim/arm/armoptions.h", "sim/arm/armos.h", "sim/arm/armcont.c",
"sim/arm/armrdi.c", "sim/arm/armvirt.c", "sim/arm/main.c", "sim/arm/dbg_rdi.c",
"sim/arm/arminit.c", "sim/common/cgen-fpu.c", "sim/common/cgen-fpu.h",
"sim/common/cgen-acccp.c",
"sim/mips/m16run.c", "sim/mips/sim-main.c",
"sim/moxio/moxie-gdb.dts",
# Not a single file in sim/ppc/ appears to be copyright FSF :-(.
"sim/ppc/filter.h", "sim/ppc/gen-support.h", "sim/ppc/lz-instrn.h",
"sim/ppc/hw_sem.c", "sim/ppc/hw_disk.c", "sim/ppc/decode_branch.h",
"sim/ppc/sim-endian.h", "sim/ppc/table.c", "sim/ppc/hw_core.c",
"sim/ppc/gen-support.c", "sim/ppc/gen-semantics.h", "sim/ppc/cpu.h",
"sim/ppc/sim_callbacks.h", "sim/ppc/RUN", "sim/ppc/Makefile.in",
"sim/ppc/emul_chirp.c", "sim/ppc/hw_nvram.c", "sim/ppc/dc-test.01",
"sim/ppc/hw_phb.c", "sim/ppc/hw_eeprom.c", "sim/ppc/bits.h",
"sim/ppc/hw_vm.c", "sim/ppc/cap.h", "sim/ppc/os_emul.h",
"sim/ppc/options.h", "sim/ppc/gen-idecode.c", "sim/ppc/filter.c",
"sim/ppc/corefile-n.h", "sim/ppc/std-config.h", "sim/ppc/lz-decode.h",
"sim/ppc/filter_filename.h", "sim/ppc/hw_shm.c",
"sim/ppc/pk_disklabel.c", "sim/ppc/dc-simple", "sim/ppc/misc.h",
"sim/ppc/device_table.h", "sim/ppc/lz-instrn.c", "sim/ppc/inline.c",
"sim/ppc/emul_bugapi.h", "sim/ppc/hw_cpu.c", "sim/ppc/debug.h",
"sim/ppc/hw_idc.c", "sim/ppc/debug.c", "sim/ppc/gen-itable.h",
"sim/ppc/interrupts.c", "sim/ppc/hw_glue.c", "sim/ppc/emul_unix.c",
"sim/ppc/sim_calls.c", "sim/ppc/dc-complex", "sim/ppc/lz-cache.c",
"sim/ppc/registers.h", "sim/ppc/dc-test.02", "sim/ppc/options.c",
"sim/ppc/igen.h", "sim/ppc/registers.c", "sim/ppc/device.h",
"sim/ppc/emul_chirp.h", "sim/ppc/hw_register.c", "sim/ppc/hw_init.c",
"sim/ppc/sim-endian-n.h", "sim/ppc/filter_filename.c",
"sim/ppc/bits.c", "sim/ppc/decode_fields.h", "sim/ppc/hw_memory.c",
"sim/ppc/misc.c", "sim/ppc/double.c", "sim/ppc/psim.h",
"sim/ppc/hw_trace.c", "sim/ppc/emul_netbsd.h", "sim/ppc/psim.c",
"sim/ppc/decode_instructions", "sim/ppc/tree.h", "sim/ppc/README",
"sim/ppc/gen-icache.h", "sim/ppc/gen-model.h", "sim/ppc/lz-cache.h",
"sim/ppc/mon.c", "sim/ppc/corefile.h", "sim/ppc/vm.c",
"sim/ppc/INSTALL", "sim/ppc/gen-model.c", "sim/ppc/hw_cpu.c",
"sim/ppc/corefile.c", "sim/ppc/hw_opic.c", "sim/ppc/gen-icache.c",
"sim/ppc/events.h", "sim/ppc/os_emul.c", "sim/ppc/emul_generic.c",
"sim/ppc/main.c", "sim/ppc/hw_com.c", "sim/ppc/gen-semantics.c",
"sim/ppc/emul_bugapi.c", "sim/ppc/device.c", "sim/ppc/emul_generic.h",
"sim/ppc/tree.c", "sim/ppc/mon.h", "sim/ppc/interrupts.h"
"sim/ppc/cap.c", "sim/ppc/cpu.c", "sim/ppc/hw_phb.h",
"sim/ppc/device_table.c", "sim/ppc/lf.c", "sim/ppc/lf.c",
"sim/ppc/dc-stupid", "sim/ppc/hw_pal.c", "sim/ppc/ppc-spr-table",
"sim/ppc/emul_unix.h", "sim/ppc/words.h", "sim/ppc/basics.h",
"sim/ppc/hw_htab.c", "sim/ppc/lf.h", "sim/ppc/id-decode.c",
"sim/ppc/sim-endian.c", "sim/ppc/gen-itable.c",
"sim/ppc/idecode_expression.h", "sim/ppc/table.h", "sim/ppc/dgen.c",
"sim/ppc/events.c", "sim/ppc/gen-idecode.h", "sim/ppc/emul_netbsd.c",
"sim/ppc/igen.c", "sim/ppc/vm_n.h", "sim/ppc/vm.h",
"sim/ppc/hw_iobus.c", "sim/ppc/inline.h",
"sim/testsuite/sim/bfin/s21.s", "sim/testsuite/sim/mips/mips32-dsp2.s",
)

if __name__ == "__main__":
    main()

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*/

src/xxhash.[ch] src/lz4*.ch: git@github.com:lz4/lz4.git e2827775ee80d2ef985858727575df3f3fc60f1f3

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.
HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

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code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn’t made it into the released version of the collector, yet.)

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1.19 net-snmp 5.1

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1.20 tdb 1.45.6

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This is the Debian GNU/Linux prepackaged version of the static EXT2
file system consistency checker (e2fsck.static). The EXT2 utilities
were written by Theodore Ts'o <tytso@mit.edu> and Remy Card
<card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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In order to use this stub, the following makefile variables must be defined.

- **BSDLIB_VERSION** = 1.0
- **BSDLIB_IMAGE** = libce
- **BSDLIB_MYDIR** = et
- **BSDLIB_INSTALL_DIR** = $(SHLIBDIR)

```
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB). 
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;';"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) 
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
```
This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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--- tdbusa.orig/tdb.c
+++ tdbusa/tdb.c
@@ -4,11 +4,11 @@
 Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 /*
 /* - Unix SMB/CIFS implementation.
+ trivial database library - standalone version
 
 - trivial database library - private includes
-
- Copyright (C) Andrew Tridgell 2005
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Theodore Ts'o
23-June-2007

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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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If such an object file uses only numerical parameters, data
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That's all there is to it!
This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

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Appendix: How to Apply These Terms to Your New Programs

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

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

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

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

This General Public License does not permit incorporating your program into
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1.21 libgpg-error 1.32
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If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

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The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

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

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Version 2.1, February 1999

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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
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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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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.
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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.

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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
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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.

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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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 *
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strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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1.26 inetutils 1.9.4-r0

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1.29 python-mimeparse 1.6.0

1.29.1 Available under license:

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1.30 zlib 1.2.12-r0

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1.31 shadow-securetty 4.6-r3

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```
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```
Certificate data from Mozilla as of: Thu Nov  3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
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Just configure this file as the SSLCACertificateFile.#

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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

1.39 ncftp 3.2.6
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1.40 openssh 8.0-p1

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* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>

* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>

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<one line to give the program's name and a brief idea of what it does.>
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<signature of Ty Coon>, 1 April 1989
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**1.44 libtirpc 1.0.3**

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1.45 libvirt 4.7.0-r0

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Version 2.1, February 1999

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bzip2/libbzip2 version 1.0.2 of 30 December 2001

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1.49 xinetd 2.3.15-r2

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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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

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

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directing the user to the copy of this License. Also, you must do one
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a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
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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
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than the cost of performing this distribution.

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It may happen that this requirement contradicts the license
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1.55 less 530

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TERMS AND CONDITIONS

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A "covered work" means either the unmodified Program or a work based on the Program.

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the interface presents a list of user commands or options, such as a
menu, a prominent item in the list meets this criterion.


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
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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
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linked subprograms that the work is specifically designed to require,
such as by intimate data communication or control flow between those
subprograms and other parts of the work.

The Corresponding Source need not include anything that users
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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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@end example

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

@example
@var{program} Copyright (C) @var{year} @var{name of author}
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
@end smallexample

The hypothetical commands `show w' and `show c' should show
the appropriate parts of the General Public License. Of course, your
program's commands might be different; for a GUI interface, you would
use an ``about box''.

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first, please read @url{http://www.gnu.org/philosophy/why-not-lgpl.html}.
@end c man end

This is an attempt to acknowledge early contributions to the garbage
collector. Later contributions should instead be mentioned in
README.changes.

HISTORY -

Early versions of this collector were developed as a part of research
projects supported in part by the National Science Foundation
and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for
the Russell programming language implementation. The first version of the
garbage collector was written primarily by Al Demers. It was then refined
and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U.,
the University of Washington, Rice University (where it was first used for
C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant
contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in
README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by
Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely
due to Vernon Lee, on machines made available to Rice by IBM.  
Much of the HP specific code and a number of good suggestions for improving the 
generic code are due to Walter Underwood.  
Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.  
Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) 
subsequently provided updates and information on variation between ULTRIX 
systems.  Parag Patel (parag@netcom.com) supplied the A/UX code.  
Jesper Peterson(jep@mtiname.mtia.oz.au), Michel Schinz, and 
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.  
Thomas Funke (thf@zelator.in-berlin.de(?)) and  
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.  
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.  
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader 
specific code.  Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code.  Al Dosser provided Alpha/OSF/1 code.  He and 
Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.  
Alistair G. Crooks(age@uts.amdahl.com) supplied the NetBSD and 386BSD ports. 
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.  
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to 
a Motorola 88K processor running CX/UX (Harris NightHawk).  
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to 
nonIBM development environments (a nontrivial task).  
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.  
David Chase, then at Olivetti Research, suggested several improvements.  
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the 
code to save and print call stacks for leak detection on a SPARC.  
Jesse Hull and John Ellis supplied the C++ interface code.  
Zhong Shao performed much of the experimentation that led to the 
current typed allocation facility.  (His dynamic type inference code hasn't 
made it into the released version of the collector, yet.)  
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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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   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

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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.

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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.

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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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That's all there is to it!
GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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0. Definitions.

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

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

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

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Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions.
of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

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TERMS AND CONDITIONS

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A "covered work" means either the unmodified Program or a work based on the Program.

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extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

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You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

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d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation’s users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

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a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family,
or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

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xmlns:db="http://docbook.org/ns/docbook">
  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="$isc.copyright.leader"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
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#define UV_BSD_H
#define UV_PLATFORM_FS_EVENT_FIELDS
uv__io_t event_watcher;

#define UV_IO_PRIVATE_PLATFORM_FIELDS
    int rcount;          \
    int wcount;         \

#define UV_HAVE_KQUEUE 1

#endif /* UV_BSD_H */

Files: *

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1.66 markupsafe 1.1.1-1.ph4

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Metadata-Version: 1.2
Name: MarkupSafe
Version: 1.1.1
Summary: Safely add untrusted strings to HTML/XML markup.
Home-page: https://palletsprojects.com/p/markupsafe/
Author: Armin Ronacher
Author-email: armin.ronacher@active-4.com
Maintainer: The Pallets Team
Maintainer-email: contact@palletsprojects.com
License: BSD-3-Clause
Description: MarkupSafe

==========

MarkupSafe implements a text object that escapes characters so it is safe to use in HTML and XML. Characters that have special meanings are replaced so that they display as the actual characters. This mitigates injection attacks, meaning untrusted user input can safely be displayed on a page.

Installing
--------

Install and update using `pip`:

.. code-block:: text

    pip install -U MarkupSafe


Examples
--------

.. code-block:: pycon

    >>> from markupsafe import Markup, escape
    >>> # escape replaces special characters and wraps in Markup
    >>> escape('<script>alert(document.cookie);</script>')</script>

    Markup(u'<script>alert(document.cookie);</script>')
    >>> # wrap in Markup to mark text "safe" and prevent escaping
    >>> Markup('<strong>Hello</strong>')
    Markup('<strong>hello</strong>')
    >>> escape(Markup('<strong>Hello</strong>'))
    Markup('<strong>hello</strong>')
    >>> Markup('Hello <em>%s</em>')
    Markup('Hello &lt;em&gt;%s&lt;/em&gt;')
    >>> template &lt;em&gt;&quot;World&quot;&lt;/em&gt;)
    Markup('Hello &lt;em&gt;Hello&lt;/em&gt;')
    Markup('Hello &lt;em&gt;Hello&lt;/em&gt;')
    >>> template % ''World''
    Markup('Hello <em>&quot;World&quot;</em> &lt;em&gt;World</em> &lt;em&gt;World&em>'

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* Test status:

  * Linux, Mac: https://travis-ci.org/pallets/markupsafe
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  * Test coverage: https://codecov.io/gh/pallets/markupsafe

Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Environment :: Web Environment
Classifier: Intended Audience :: Developers
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Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5
Classifier: Programming Language :: Python :: 3.6
Classifier: Programming Language :: Python :: 3.7
Classifier: Topic :: Internet :: WWW/HTTP :: Dynamic Content
Classifier: Topic :: Software Development :: Libraries :: Python Modules
Classifier: Topic :: Text Processing :: Markup :: HTML

Requires-Python: >=2.7,!<=3.0.*,!=3.1.*,!=3.2.*,!=3.3.*

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 * markupsafe._speedups
 * ~~~~~~~~~~~~~~~~~~~~
 *
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 */

1.67 fdisk 2.32.1

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1.68 shadow 4.6-r0

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nickc@redhat.com and I'll correct the situation.

This file will eventually be deleted: The general info will go into
the documentation, and info on specific files will go into an AUTHORS
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++++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for
gdb-specific debug information and the 68k series machines, most of
the preprocessing pass, and extensive changes in messages.c,
input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various
enhancements and many bug fixes, including merging support for several
processors, breaking gas up to handle multiple object file format
backends (including heavy rewrite, testing, an integration of the coff
and b.out backends), adding configuration including heavy testing and
verification of cross assemblers and file splits and renaming,
converted gas to strictly ansi C including full prototypes, added
support for m680[34]0 & cpu32, considerable work on i960 including a
coff port (including considerable amounts of reverse engineering), a
sparc opcode file rewrite, decstation, rs6000, and hp300hpux host
ports, updated "know" assertions and made them work, much other
reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of
the code in format-specific I/O modules.
The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (objc-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (objc-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner
of the Open Software Foundation (i386 mainly), and Ken Raeburn of
Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small
bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon
University. Additional work was done by Ken Raeburn of Cygnus
Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000
series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30
(tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error
checking, updating the code, and improving the 16 bit support, using
patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If
you've contributed significant work and are not mentioned on this list, and
want to be, let us know. Some of the history has been lost; we aren't
intentionally leaving anyone out.

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man/bitstring.3bsd
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man/closefrom.3bsd
man/expand_number.3bsd
man/flopen.3bsd
man/getpeereid.3bsd
man/pidfile.3bsd
src/expand_number.c
src/hash/sha512.h
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src/arc4random.c
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src/closefrom.c
src/getentropy_aix.c
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* @version 3.0 (December 2000)

* Optimised ANSI C code for the Rijndael cipher (now AES)

* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
* @author Paulo Barreto <paulo.barreto@terra.com.br>

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1.81 jsonschema 2.6.0

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1.82 lua 5.2.4
1.83 unzip 6.0

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1.92 grpcio 1.14.1

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/ssl/ssl_transcript.cc

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IP-address/hostname to country converter.

Problem: you want to know where IP a.b.c.d is located.

Use ares_gethostbyname ("d.c.b.a.zz.countries.nerd.dk")
and get the CNAME (host->h_name). Result will be:
CNAME = zz<CC>.countries.nerd.dk with address 127.0.x.y (ver 1) or
CNAME = <a.b.c.d>.zz.countries.nerd.dk with address 127.0.x.y (ver 2)

The 2 letter country code is in <CC> and the ISO-3166 country
number is in x.y (number = x*256 + y). Version 2 of the protocol is missing
the <CC> number.

Ref: http://countries.nerd.dk/more.html

Written by G. Vanem <gvanem@yahoo.no> 2006, 2007

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/cares/cares/test/gmock-1.7.0/gtest/samples/sample7_unittest.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/third_party/googletest/test/gtest-typed-test_test.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/third_party/googletest/test/gtest-typed-test2_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/third_party/googletest/include/gtest/internal/gtest-param-util.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/third_party/googletest/samples/sample7_unittest.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/third_party/googletest/include/gtest/test/gtest-typed-test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/third_party/googletest/include/gtest/test/gtest-param-util-generated.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/third_party/googletest/include/gtest/test/gtest-type-util.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/third_party/googletest/include/gtest/test/gtest-tuple.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/third_party/googletest/samples/sample7_unittest.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/third_party/googletest/samples/prime_tables.h
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/cares/cares/test/gmock-1.7.0/gtest/test/gtest_shuffle_test.py

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/address_sorting/address_sorting.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/address_sorting/include/address_sorting/address_sorting.h
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Modifications for Zip64 support on both zip and unzip
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------------------------------------------------------------------------------------
Decryption code comes from crypt.c by Info-ZIP but has been greatly reduced in terms of compatibility with older software. The following is from the original crypt.c.

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crypt.c (full version) by Info-ZIP. Last revised: [see crypt.h]

The encryption/decryption parts of this source code (as opposed to the non-echoing password parts) were originally written in Europe. The whole source package can be freely distributed, including from the USA. (Prior to January 2000, re-export from the US was a violation of US law.)

This encryption code is a direct transcription of the algorithm from Roger Schlafly, described by Phil Katz in the file appnote.txt. This file (appnote.txt) is distributed with the PKZIP program (even in the version without encryption capabilities).

------------------------------------------------------------------------------------

Changes in unzip.c

2007-2008 - Even Rouault - Addition of cpl_unzGetCurrentFileZStreamPos
2007-2008 - Even Rouault - Decoration of symbol names unz* -> cpl_unz*
2007-2008 - Even Rouault - Remove old C style function prototypes
2007-2008 - Even Rouault - Add unzip support for ZIP64

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Oct-2009 - Mathias Svensson - Removed CPL_* from symbol names (Even Rouault added them but since this is now moved to a new project (minizip64) I renamed them again).
Oct-2009 - Mathias Svensson - Fixed problem if uncompressed size was > 4G and compressed size was <4G should only read the compressed/uncompressed size from the Zip64 format if the size from normal header was 0xFFFFFFFF
Oct-2009 - Mathias Svensson - Applied some bug fixes from patches received from Gilles Vollant
Oct-2009 - Mathias Svensson - Applied support to unzip files with compression method BZIP2 (bzip2 lib is required)

Patch created by Daniel Borca

Jan-2010 - back to unzip and minizip 1.0 name scheme, with compatibility layer

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* /opt/cola/permissions/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar.gz/grpcio-1.14.1/third_party/zlib/contrib/minizip/unzip.c
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* /opt/cola/permissions/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar.gz/grpcio-1.14.1/src/core/lib/iomgr/ev_poll_posix.h
* /opt/cola/permissions/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar.gz/grpcio-1.14.1/src/core/lib/surface/completion_queue.cc
* /opt/cola/permissions/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar.gz/grpcio-1.14.1/src/core/lib/surface/completion_queue.h
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/cipher_extra/e_aesgcmiv.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/evp/p_ed25519.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/evp/p_ed25519_asn1.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/test/gtest_main.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/fipstools/cavp_hmac_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/fipstools/cavp_tdes_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/fuzz/bn_div.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/fuzz/dtls_server.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/fuzz/fips_module/delocate.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/fuzz/fips_module/fuzzer_tags.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/fipsmodule/delocate.h

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/decrepit/cfb/cfb.c
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/src/core/ext/filters/client_channel/connector.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/src/core/lib/iomgr/iomgr_windows.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/src/core/lib/iomgr/iomgr_utils.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/src/core/lib/iomgr/iomgr_sync.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/src/core/lib/iomgr/iomgr_thread.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/src/core/lib/iomgr/iomgr_util.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/src/core/lib/transport/transport_op_string.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/src/core/lib/surface/init_secure.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/src/core/lib/surface/channel.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/src/core/lib/surface/channel_transport.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/src/core/lib/surface/channel_transport_op.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/src/core/lib/surface/channel_transport_op_string.cc
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1.tar.gz/grpcio-1.14.1/third_party/boringssl/crypto/x509v3/v3_int.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1.tar.gz/grpcio-1.14.1/third_party/boringssl/crypto/x509v3/ext_dat.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1.tar.gz/grpcio-1.14.1/third_party/boringssl/crypto/x509v3/v3_purp.c
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-
  1.14.1/src/core/lib/iomgr/pollset_custom.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-
  1.14.1/src/core/tsi/alts/handshaker/alts_handshaker_client.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-
  1.14.1/src/core/tsi/alts/frame_protector/frame_handler.cc
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1.14.1/src/core/lib/security/credentials/alts/check_gcp_environment.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
1.14.1/src/core/lib/security/credentials/alts_seal_privacy_integrity_crypter.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-1-tar-gz/grpcio-1.14.1/src/core/tsi/alts/handshaker/transport_security_common_api.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-1-tar-gz/grpcio-1.14.1/src/core/lib/security/credentials/alts/grpc_alts_credentials_options.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-1-tar-gz/grpcio-1.14.1/src/core/tsi/local_transport_security.h
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-1-tar-gz/grpcio-1.14.1/src/core/lib/iomgr/error_cfstream.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-1-tar-gz/grpcio-1.14.1/src/core/tsi/alts/zero_copy_frame_protector/alts_grpc_integrity_only_record_protocol.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-1-tar-gz/grpcio-1.14.1/src/core/ext/filters/client_channel/client_channel Channelz.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-1-tar-gz/grpcio-1.14.1/src/core/tsi/alts/handshaker/alts_handshaker_client.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-1-tar-gz/grpcio-1.14.1/src/core/tsi/alts/zero_copy_frame_protector/alts_grpc_record_protocol_common.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-1-tar-gz/grpcio-1.14.1/src/core/tsi/alts/handshaker/alts_handshaker_service_api_util.cc

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* /opt/cola/permits/1161056020_1620445410.41/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/dsa/dsa_test.cc
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/include.openssl/dsa.h

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/ssl/d1_pkt.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/evp/p_dsa_asn1.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/evp/p_ec.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
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/* inffas86.c is a hand tuned assembler version of
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* inffast.c -- fast decoding
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*
* Dec-29-2003 -- I added AMD64 inflate asm support. This version is also
* slightly quicker on x86 systems because, instead of using rep movsb to copy
* data, it uses rep movsw, which moves data in 2-byte chunks instead of single
* bytes. I've tested the AMD64 code on a Fedora Core 1 + the x86_64 updates
* from http://fedora.linux.duke.edu/fcl_x86_64
* which is running on an Athlon 64 3000+ / Gigabyte GA-K8VT800M system with
* 1GB ram. The 64-bit version is about 4% faster than the 32-bit version,
* when decompressing mozilla-source-1.3.tar.gz.
*
* Mar-13-2003 -- Most of this is derived from inffast.S which is derived from
* the gcc -S output of zlib-1.2.0/inffast.c. Zlib-1.2.0 is in beta release at
* the moment. I have successfully compiled and tested this code with gcc2.96,
* gcc3.2, icc5.0, msvc6.0. It is very close to the speed of inffast.S
* compiled with gcc -DNO_MMX, but inffast.S is still faster on the P3 with MMX
* enabled. I will attempt to merge the MMX code into this version. Newer
* versions of this and inffast.S can be found at
* http://www.eetbeetee.com/zlib/ and http://www.charm.net/~christop/zlib/
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/zlib/contrib/inflate86/inffas86.c
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  1.14.1/third_party/boringssl/crypto/dh/dh.asn1.c
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/boringssl/fuzz/pkcs8.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/boringssl/crypto/fipsmodule/modes/polyval.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/boringssl/crypto/x509/internal.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/boringssl/crypto/x509/x509_decrepit.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/boringssl/ssl/ls13_both.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
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/* trees.c -- output deflated data using Huffman coding
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1.14.1/third_party/boringssl/include/openssl/tls1.h
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1/third_party/boringssl/crypto/x509v3/v3_akeya.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1/third_party/boringssl/crypto/pkcs8/p5_pbev2.c
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1/third_party/boringssl/include/openssl/pkcs8.h
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1.tar-gz/grpcio-1.14.1/third_party/boringssl/third_party/googletest/test/gtest-unittest-api_test.cc
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1.tar-gz/grpcio-1.14.1/src/core/ext/transport/chttp2/transport/http2_settings.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1.tar-gz/grpcio-1.14.1/src/core/lib/debug/stats_data.cc
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MIIEKjCCAxKgAwIBAgIEOGPe+DANBgkqhkiG9w0BAQUFADCBbiIwJAQBggCAYDVR0l
BDAQH/4gZDQ doGetPMFpDG4P30FpDEAxGhDy4P30FpP1QgGhEw1aZjL
# SHA256 Fingerprint:
-----END CERTIFICATE-----

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Z6m/AxxNgj8y9RVBaKQTBMEDDjEoXq/ehc+Js+xGXM2RX/u4+q/TI8GybTdxNt
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# Serial: 10710890880365150969298789124233745014957
# MD5 Fingerprint: a1:0b:44:b3:ca:10:d8:00:6e:9d:0f:df:80:92:0a:da1

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KwYDVQQDEyRYUmFtcCBHbG9iYWwgQ2VydGlmaWNhdGlvbiBvZnJpc2UgUmVsdGg=

-----END CERTIFICATE-----


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# Serial: 0  
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MIIDrzCCaepAwIABAgIQCvDygVpBCRtGhdfWtJWZHHSjANBgkqhkiG9w0BAQUFADBh
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# Subject: CN=DigiCert High Assurance EV Root CA O=DigiCert Inc OU=www.digicert.com
# Label: "DigiCert High Assurance EV Root CA"
# Serial: 355340007641054791972470374387100087

-----END CERTIFICATE-----
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-----BEGIN CERTIFICATE-----
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# Serial: 5700383053117599563

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-----END CERTIFICATE-----
# SHA256 Fingerprint:
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-----END CERTIFICATE-----
# Issuer: CN=VeriSign Class 3 Public Primary Certification Authority - G5 O=VeriSign, Inc. OU=VeriSign Trust Network (c) 2006 VeriSign, Inc. - For authorized use only
# Subject: CN=VeriSign Class 3 Public Primary Certification Authority - G5 O=VeriSign, Inc. OU=VeriSign Trust Network (c) 2006 VeriSign, Inc. - For authorized use only
# Label: "VeriSign Class 3 Public Primary Certification Authority - G5"
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# SHA256 Fingerprint:
-----BEGIN CERTIFICATE-----
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Open Source Used in NX-OS System Software 10.3(1)F 1216
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Open Source Used In NX-OS System Software 10.3(1)F

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# Subject: CN=Certigna O=Dehimyotis
# Label: "Certigna"
# Serial: 18364802974209362175
# SHA256 Fingerprint:

-----BEGIN CERTIFICATE-----

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-----END CERTIFICATE-----

# Issuer: CN=Deutsche Telekom Root CA 2 O=Deutsche Telekom AG OU=T-TeleSec Trust Center
# Subject: CN=SecureSign RootCA11 O=Japan Certification Services, Inc.
# Label: "SecureSign RootCA11"
# Serial: 1
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# Issuer: CN=Microsec e-Szigno Root CA 2009 O=Microsec Ltd.
# Subject: CN=Microsec e-Szigno Root CA 2009
# Serial: 14014771276719584473
-----BEGIN CERTIFICATE-----
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Open Source Used In NX-OS System Software 10.3(1)F 1231
---BEGIN CERTIFICATE---
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---END CERTIFICATE---

# Issuer: CN=Starfield Root Certificate Authority - G2 O=Starfield Technologies, Inc.
# Subject: CN=Starfield Root Certificate Authority - G2 O=Starfield Technologies, Inc.
# Label: "Starfield Root Certificate Authority - G2"

# Serial: 0

Open Source Used In NX-OS System Software 10.3(1)F 1237
Open Source Used In NX-OS System Software 10.3(1)F 1239
# SHA256 Fingerprint:

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-----END CERTIFICATE-----

# Issuer: CN=Certum Trusted Network CA O=Unizeto Technologies S.A. OU=Certum Certification Authority
# Subject: CN=Certum Trusted Network CA O=Unizeto Technologies S.A. OU=Certum Certification Authority
# Label: "Certum Trusted Network CA"

# Serial: 279744

# SHA1 Fingerprint:

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-----END CERTIFICATE-----
Open Source Used In NX-OS System Software 10.3(1)F

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-----END CERTIFICATE-----

# Issuer: CN=Hellenic Academic and Research Institutions RootCA 2011 O=Hellenic Academic and Research Institutions Cert. Authority
# Subject: CN=Hellenic Academic and Research Institutions RootCA 2011 O=Hellenic Academic and Research Institutions Cert. Authority
# Label: "Hellenic Academic and Research Institutions RootCA 2011"
# Serial: 0
# SHA256 Fingerprint:

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BjAdBgNVHQ4EFgQUppFC/RNhSiOeCKQp5dgTBCPmStAwRVo38h6l3ZObEh6vDR5Q
SLW5Z2ZyQXz+bckMs78u0j67WXpXk01FhWgUKj60t7X3c1+tw8jYHkJeGcAzGgCh
5Dz9/c3q/WlafDyKHeg9Y4eG4+eW/a+GRFhF9OSHT/hqLW/uI176b9j/OQf3WvF
9V5avShhjWz35VhXn60ye13fj3ZysCg/K8SjGpT/pkfoQ6iOzjO7n7y736z0Ta
5wW/pF8S2jxZ5fY4bF/3Dn2lOA/9vXVf5Z5P30hRwQGx3jK7fJ6uJ2f6L2m42Z
nB36IzjKuA/Bb1D4LqFZt6X23yGkkci/0XG/gOv/jw/v6Bx0lVbOZL5hjCjJ7Y
-----END CERTIFICATE-----

# Issuer: CN=Actalis Authentication Root CA O=Actalis S.p.A./0335820967
# Subject: CN=Actalis Authentication Root CA O=Actalis S.p.A./0335820967
# Label: "Actalis Authentication Root CA"
# Serial: 627184744274770507
# SHA256 Fingerprint:

-----BEGIN CERTIFICATE-----
MIIDZzCCAk+gAwIBAgIQGx+ttiD5JNM2a/fH8YygWTANBgkqhkiG9w0BAQUFADBFMQswCQYDVQQGEwJHQjEYMBYGA1UEChMPVHJ1c3RpicyBMAMICAQALcwEwYDQYJKoZIhvcNAQELBQAwgZMQswCQYDVQQGEwJHQjEYMBYGA1UEChMPC2h0aW1vdW0gU2VjdXJpdHVydml0eSBWb2ludGFs
-----END CERTIFICATE-----
-----BEGIN CERTIFICATE-----
MIIFWTCCAoGAwIBAgIWBgkqhkjiiIwIwIBAgIBATANBgkqhkiG9w0BAQsFADBOMQswCQYDVQQGEwJOTzEd
MBsGA1UECgwUQnV5cGFzcyBBUy05ODMxNjMzMzI3IDAeBgNVBAMMF0J1eXBhc3MgQ2xhc3MgMyBSb290IENBMB4XDTEwMTAyNjA4Mjg1OFow
TjELMAkGA1UEBhMCTk8xHTAbBgNVBAoMFEJ1eXBhc3MgUm9vdCBvYmQwEEY4YzAxMDYuTVQIDDABoTDAKG1UCigJ0bGxvY2hanG
3y0bOHVX6OApzFlZw8q9YhGpK7IRuvAqZMii0RfJ1aC9NpT2vF2KmKkg4oaZ9+j15xiez4dBG5580o5643
-----END CERTIFICATE-----

oxXqA/4Ti2Tk08HS6IT7SdEQTXlm66r99I0xHnAurdzeZxNMgRVhvLfZkXdxGyYf
u/YpbbWc/ePiUNwEs8bFtuZDqdM2NnL9DuDcpmvJRppq3t/05jrcF/ZXSPsoaP
0A/ju/HYUb7uJ+y/leRLVTubY/6CD50qi+yU/kh4yE8/6x0giibh6BipSQBfFwAYf
3KDfnuV45gtf/4D34w4mDKOpMtwATwiKp9Dwi7DmKdHOHVx8xGBCH/MyJnnDhPbl
8MFREaALHqJqDFSITC9JxUtRtm5gDwv8a4uFJGSiQ6rJUbPM9+Sh3H6qRtG2vd+
DhcIO0I0XQG8A85pRqHh3Y8iKu2n0M7SmSFXRdw4m60y2Cy2ahTXN/VNln9HN
Plp0NL9hM9xZdRkkZFTwdShBd575eafgnd0dBf0dfek49TSt1p+EgrP2KGrFv/
ywaZWWDYWGvJUTR939+J399roD1Bo2PpxxVjKES/1Y+Zj0
-----END CERTIFICATE-----

# Issuer: CN=DigiCert Assured ID Root G2 O=DigiCert Inc OU/www.digicert.com
# Subject: CN=DigiCert Assured ID Root G2 O=DigiCert Inc OU/www.digicert.com
# Label: "DigiCert Assured ID Root G2"
# Serial: 15385348160840213936843033620894905419
# SHA256 Fingerprint:
# # Issuer: CN=DigiCert Assured ID Root G3 O=DigiCert Inc OU/www.digicert.com
# Subject: CN=DigiCert Assured ID Root G3 O=DigiCert Inc OU/www.digicert.com
# Label: "DigiCert Assured ID Root G3"
# Serial: 15459312981008553731928384953153426796
# SHA256 Fingerprint:

-----END CERTIFICATE-----
P5Hgzg0b8zAarb8iXRvTvyUFTEGSn+ZnxzEk8rUQEIsdIFXBDrDMIIdIldb4pd41
xlSNER9TYx6fF7Zod1rg1M1vlB71o6ON7fAQtDXXeMOZePgrlr4UeWJoBjnaH9d
Ci77oEcOpaYjesYbx4+LXr9tgFa+iis6M+yqfTTrvnHST4D2G0CvOJ4RUHlzEhLN
5mydLhByDCBBP6eIMt2kuhlsKnuYh4G4a8cyNfWRgl4j1oDwYF7ZTESEDQqP
/e5W0aHz15e6GRWEN0xXkbeFGyLmZj956LYBws2J+dleWCKW9cTXcYQN9K9y8+Z
AAoAcxGv21ZFA4gKnu2fQ1Xmqx1LqB3Q3CekD6819kR5LU7mW5cPdAVUwHYS+3+vZ
5nb0C07o6i5s9UQckc25o5YPSjXtKAdcHz+yS63su
--- END CERTIFICATE ---
---END CERTIFICATE-----
djlWKKdpok79SPdhRB0y/ZADVpHnr7pH1BXESLjokmUbOe3fEut6LaTaM4tMpkT/ WjzGHWTYTHkpxj6qFeL2+1hGsxxznN3Y6Sh0xRONbKx8eftoEq51VlcVheO/jb AoJnwTnbw3RLPryn+E+CtiGhhhQZIfc6nIENLoITNRq3ssqwGyZ6miUmpfAqnsqP/ p/uvmz5mHcnsZy4YoP/hK8DTETKvhk/XEAcqMCWpuchxu90zC1+9eC+bD4Ko b7a6hINd82Kkehnhlt4Fj14Y3eFmynpTycUm/Q10BeautmbjL4ZvrHG8hjnX XALKLNhvSgftZyTXaQHxyxKcZb55CEJh15pWLYLztxRLXis7VmFxWlgP7ncGNf/P 5O4/E2Hu29ohtFDnpr2yGALfw5Khchf8R7aqCyyzxN5DaAhqXzvwdmP7zAYspbs Dwr5v5ISP ----END CERTIFICATE-----

# Issuer: CN=Hellenic Academic and Research Institutions RootCA 2015 O=Hellenic Academic and Research Institutions Cert. Authority
# Subject: CN=Hellenic Academic and Research Institutions RootCA 2015 O=Hellenic Academic and Research Institutions Cert. Authority
# Label: "Hellenic Academic and Research Institutions RootCA 2015"
# Serial: 0

-----BEGIN CERTIFICATE-----
X9ijzFk0WaSrT2y7HxjbdavYy5LNIDhhDgcGH0tGEPEVvo2FXDtkKK4F5D7Rpn0lQ
l033DIZdwJvqjibDG2j9ScR5q++ss7Fej6A7na+RZukYT1HCj/ChM1xYnVqYdf
bzoEvMi14iQuODYy+jqk+ixGx9FghAD/FGTNeqewjBCvVtJ94c87DtStVKe6fIIV4M
pcw72Hc3MKJP2w/R8ktCtQoxXddZKNyM3qDv8hn9VTYNPkpXMmgDvqvkPuGl7JznHK
e7iG2rKPhnT4dEw0f5E7Uq/DpFXYC50DfqiAeW2GFZEcplJcNvVPSWwh2HagCZfZK0
vm9qyp/UsQu0yrhYhrn68
-----END CERTIFICATE-----

# Issuer: CN=Hellenic Academic and Research Institutions ECC RootCA 2015 O=Hellenic Academic and Research Institutions Cert. Authority
# Subject: CN=Hellenic Academic and Research Institutions ECC RootCA 2015 O=Hellenic Academic and Research Institutions Cert. Authority
# Label: "Hellenic Academic and Research Institutions ECC RootCA 2015"
# Serial: 0
# SHA256 Fingerprint:

-----BEGIN CERTIFICATE-----

# Issuer: CN=Certplus Root CA G1 O=Certplus
# Subject: CN=Certplus Root CA G1 O=Certplus
# Label: "Certplus Root CA G1"
# Serial: 1491156577988356709731176965615564637713
# SHA256 Fingerprint:

-----BEGIN CERTIFICATE-----

# Issuer: CN=Certplus Root CA G1 O=Certplus
# Subject: CN=Certplus Root CA G1 O=Certplus
# Label: "Certplus Root CA G1"
# Serial: 1491156577988356709731176965615564637713
# SHA256 Fingerprint:

-----BEGIN CERTIFICATE-----

# Issuer: CN=Certplus Root CA G1 O=Certplus
# Subject: CN=Certplus Root CA G1 O=Certplus
# Label: "Certplus Root CA G1"
# Serial: 1491156577988356709731176965615564637713
# SHA256 Fingerprint:

-----BEGIN CERTIFICATE-----
# Issuer: CN=SSL.com Root Certification Authority ECC O=SSL Corporation
# Subject: CN=SSL.com Root Certification Authority ECC O=SSL Corporation
# Label: "SSL.com Root Certification Authority ECC"
# Serial: 849527381392716424

BEGIN CERTIFICATE-----
MIICjTCCAhSgAwIBAgIIdebfy8FoW6gwGcYIKoZiZj0EAwIwMFADELMAKGAIUEBhMC
VVMxDjAMBgNVAgMBMRleGFzMRaWdgYDVQQHDADBbVzd9muMRgwFgYDVQQKDAD9T
U0wQcQ9ycG9yYXRpb24xMTA5BgNVBAMMKFNTTCCj5j20gUm9vdCBDBXJ0aWZpY2F0
aW9uIE1fIdGHvcm10eSBEbQ0MwHhcNMTYwMjExMTgxNDAzWhcNDEwMjEyMTgxNDAz
WjB8MsQwCQYDVQQGEwJIVuzEOMAwGA1UECAwFVGV4YXMxEDAOBgNVBAMMCnbBHRw
b31xGDAWBgNVBAMMCn1TTTCCBj3wjb3hdGibjExMC8GA1UEAwoU1NMLmNvBlS5
b290IENlc3pZmliYXRpb24GQXV0aG9yaXRSIE5IEVYDQZB2MBAGBygqGSM49AgEB
SuSB
BAIAAI2A1EBvcu9EplMi8n9zRjLi99p9x6j3MCL0icS6jkm5BBflH1fLXZ
7Z4INcngn6m4MU1jYorM8ShPazFSY0E7ic3s7LaN8dM509y7x9GZ/wkWV7Mu/qCPg
CemBb+mNH06jNMG1cHSQYDVR0OBUYFILLhvMw5zUE044CkwvlpNHEHEjNMA8GA1Ud
EwEB/wQFMAMBAFA8hwHYDVR0JBgwFoaUGtfGczDrNQ1TjKs++WoC6h6MoWdYD
VR0PAQH/BAQDAaAGCMoXCQGMS49BAMCA2cAMMQCMQ/m6ikRpGDPYbcWeC+0F+S8T
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GA0z5Wajso67pDwLWjwskpI+4vAHC5lhtnxpl/f5Wpl
-----END CERTIFICATE-----

# Issuer: CN=SSL.com EV Root Certification Authority RSA 2 O=SSL Corporation
# Subject: CN=SSL.com EV Root Certification Authority RSA 2 O=SSL Corporation
# Label: "SSL.com EV Root Certification Authority RSA 2"
# Serial: 624827494352943350

BEGIN CERTIFICATE-----
MIIF6zCCAA0gAwIBAgIIVYpZTSs8ePYwDQYJKoZIhvcNAQELBQAwIYxCzAJBgNV
BAYTA1VTMQ4wDAYDVQQIDAVUZXhhczEQMA4GA1UEBwwHSJg91c3RvbjEYMlBGA1UE
CgwPUM1NMIENvBvcmF0aW9uMTcwNQYDVQDBDC5TU0wY29ieW1IYjVj3Qg2Vy
dGlmawNhdG1vbiBwBDBXRo3pdjHkgUl1NIBFylMB4XDE3MEU2MDU2MTE4MTQzN1oX
MDUzME4MTQzN1owgYIY3CzAJBgNVBAYTA1VTMQ4wDAYDVQQIDAVUZXhczEQMA4G
A1UEBwwHSJg91c3RvbjEYMlBGA1UECgwPUM1NMIENvBvcmF0aW9uMTcwNQYDVQDB
DC5TU0wY29ieW1IYjVj3Qg2VyGlmawNhdG1vbiBwBDBXRo3pdjHkgUl1NIBFyl
MIICiAAlBkgkhiG9w0BAQEEFAAOCAg8AMIICCGKCArEzIQOWHTc2rXO1G2mvq
M0lNTPn9b69L7T3w23jhqXZgulIXulXPQDCEG5dhBJB/jhcXQRa7X7nAjsu
OePmUP7Gkm0mmux7s90mqqG6YEB37wcXHswxypY6IXFj3vG2ThVUC zxJyca
4bfH3bXzdQ7iEgOl3Lq9tewfokkkyNorCzpPPT0Zw+oz12WgovEqE3LrdF9
HSFvkusQv1vO6/PGn3B0pYEW3p+kKkOHakYo6OGV7qd89dAfHMPizw+B6KjBYSR
aZQfqbcbPlghtLEdUHLouisv3D5oi53+aNvSN8Un0JayHRwMw18qF9kRpmM8hNQcA
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 * limitations under the License.
 */
/** Signal that the call is cacheable. GRPC is free to use GET verb */

No license file was found, but licenses were detected in source scan.

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 * Copyright (C) 2005, 2012 Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 * Version 1.1  29 Sep 2012  Mark Adler */

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Found in path(s):
*/opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/x509v3/v3_cpols.c
No license file was found, but licenses were detected in source scan.

/* blast.h -- interface for blast.c
Copyright (C) 2003, 2012, 2013 Mark Adler
version 1.3, 24 Aug 2013

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Mark Adler madler@alumni.caltech.edu
*/

Found in path(s):
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/zlib/contrib/blast/blast.h

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Found in path(s):
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/ssl/ssl_buffer.cc
 */
1.14.1/third_party/boringssl/include/openssl/srtp.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/curve25519/ed25519_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/evp/pbkdf_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/include/openssl/curve25519.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/curve25519/x25519_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/ssl/ssl_aead_ctx.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/tool/rand.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/test/file_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/pkcs8/pkcs8_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/poly1305/poly1305_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/refcount_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/fipsmodule/aes/aes_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/tool/generate_ed25519.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/cmac/cmac_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/refcount_c11.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/dlts1.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/include/openssl/dtls1.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/tool/generate_ed25519.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/fipsmodule/ec/util.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/tool/genrsa.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/cmac/cmac_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/refcount_lock.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/test/file_test.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/tool/ciphers.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/thread_win.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-1.tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/thread_pthread.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-1.tar-gz/grpcio-1.14.1/third_party/boringssl/include/openssl/cmac.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-1.tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/conf/internal.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-1.tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/test/test_util.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-1.tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/thread_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-1.tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/thread_none.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-1.tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/fipsmodule/rand/internal.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-1.tar-gz/grpcio-1.14.1/third_party/boringssl/ssl/ssl_key_share.cc

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 * version 2.3, 21 Jan 2013
 *
 * puff.c is a simple inflate written to be an unambiguous way to specify the
 * deflate format. It is not written for speed but rather simplicity. As a
 * side benefit, this code might actually be useful when small code is more
 * important than speed, such as bootstrap applications. For typical deflate
 * data, zlib's inflate() is about four times as fast as puff(). zlib's
 * inflate compiles to around 20K on my machine, whereas puff.c compiles to
 * around 4K on my machine (a PowerPC using GNU cc). If the faster decode()
 * function here is used, then puff() is only twice as slow as zlib's
 * inflate().
 *
 * All dynamically allocated memory comes from the stack. The stack required
 * is less than 2K bytes. This code is compatible with 16-bit int's and
 * assumes that long's are at least 32 bits. puff.c uses the short data type,
 * assumed to be 16 bits, for arrays in order to conserve memory. The code
 * works whether integers are stored big endian or little endian.
 *
 * In the comments below are "Format notes" that describe the inflate process
 * and document some of the less obvious aspects of the format. This source
 * code is meant to supplement RFC 1951, which formally describes the deflate
 * format:
 *
 * http://www.zlib.org/rfc-deflate.html
 */

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 * version 2.3, 21 Jan 2013
 */

/* zpipe.c: example of proper use of zlib's inflate() and deflate()
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 Version 1.4  11 December 2005  Mark Adler */

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/x509v3/v3 Saxnet.c

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar-gz/grpcio-1.14.1/third_party/cares/cares/test/gmock-1.7.0/gtest/test/gtest_environment_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar-gz/grpcio-1.14.1/third_party/cares/cares/test/gmock-1.7.0/test/gmock-actions_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar-gz/grpcio-1.14.1/third_party/cares/cares/test/gmock-1.7.0/gtest/include/gtest/gtest-printers.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar-gz/grpcio-1.14.1/third_party/cares/cares/test/gmock-1.7.0/gtest/xcode/Samples/FrameworkSample/widget_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar-gz/grpcio-1.14.1/third_party/cares/cares/test/gmock-1.7.0/gtest/test/gtest_xml_outfile1_test_.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar-gz/grpcio-1.14.1/third_party/cares/cares/test/gmock-1.7.0/gtest/samples/sample3-inl.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar-gz/grpcio-1.14.1/third_party/cares/cares/test/gmock-1.7.0/include/gmock/gmock-matchers.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar-gz/grpcio-1.14.1/third_party/cares/cares/test/gmock-1.7.0/gtest/test/gtest_pred_impl_unittest.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar-gz/grpcio-1.14.1/third_party/cares/cares/test/gmock-1.7.0/test/gtest-death-test_ex_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar-gz/grpcio-1.14.1/third_party/cares/cares/test/gmock-1.7.0/gtest/test/gtest_output_test_.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar-gz/grpcio-1.14.1/third_party/cares/cares/test/gmock-1.7.0/gtest/src/gtest-internal-inl.h
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.tar.gz/grpcio-1.14.1/third_party/cares/cares/test/gmock-1.7.0/gtest/include/gtest/gtest.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.tar.gz/grpcio-1.14.1/third_party/cares/cares/test/gmock-1.7.0/src/gmock-spec-builders.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.tar.gz/grpcio-1.14.1/third_party/cares/cares/test/gmock-1.7.0/gtest/include/gtest/gtest-death-test.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.tar.gz/grpcio-1.14.1/third_party/cares/cares/test/gmock-1.7.0/gtest/include/gtest/gtest_pred_impl.h
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/ssl/s3_lib.cc
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// +build amd64,!gccgo,!appengine

// These constants cannot be encoded in non-MOVQ immediates.
// We access them directly from memory instead.

DATA _121666_213(SB)/8, $996687872
GLOBL _121666_213(SB), 8, $8

DATA _2P0(SB)/8, $0xFFFFFFFFFFFDA
GLOBL _2P0(SB), 8, $8

DATA _2P1234(SB)/8, $0xFFFFFFFFFFFE
GLOBL _2P1234(SB), 8, $8

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* /opt/cola/permits/1161056020_1620445410.41/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/ssl/test/runner/curve25519/const_amd64.s
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// +build amd64,!gccgo,!appengine

// func cswap(inout *[5]uint64, v uint64)
TEXT ~cswap(SB),7,S0
MOVQ inout+0(FP),DI
MOVQ v+8(FP),SI

CMPQ SI,S1
MOVQ 0(DI),SI
MOVQ 80(DI),DX
MOVQ 8(DI),CX
MOVQ 88(DI),R8
MOVQ SL,R9
CMOVQEQ DX,SI
CMOVQEQ R9,DX
MOVQ CX,R9
CMOVQEQ R8,CX
CMOVQEQ R9,R8
MOVQ SI0(DI)
MOVQ DX,80(DI)
MOVQ CX,8(DI)
MOVQ R8,88(DI)
MOVQ 16(DI),SI
MOVQ 96(DI),DX
MOVQ 24(DI),CX
MOVQ 104(DI),R8
MOVQ SL,R9
CMOVQEQ DX,SI
CMOVQEQ R9,DX
MOVQ CX,R9
CMOVQEQ R8,CX
CMOVQEQ R9,R8
MOVQ SI16(DI)
MOVQ DX,96(DI)
MOVQ CX,24(DI)
MOVQ R8,104(DI)
MOVQ 32(DI),SI
MOVQ 112(DI),DX
MOVQ 40(DI),CX
MOVQ 120(DI),R8
MOVQ SL,R9
CMOVQEQ DX,SI
CMOVQEQ R9,DX
MOVQ CX,R9
CMOVQEQ R8,CX
CMOVQEQ R9,R8
MOVQ SI32(DI)
MOVQ DX,112(DI)
MOVQ CX,40(DI)
MOVQ R8,120(DI)
MOVQ 48(DI),SI
MOVQ 128(DI),DX
MOVQ 56(DI),CX
MOVQ 136(DI),R8
MOVQ SLR9
CMOVQEQ DX,SI
CMOVQEQ R9,DX
MOVQ CX,R9
CMOVQEQ R8,CX
CMOVQEQ R9,R8
MOVS Q SI,48(DI)
MOVQ DX,128(DI)
MOVQ CX,56(DI)
MOVQ R8,136(DI)
MOVQ 64(DI),SI
MOVS Q 144(DI),DX
MOVQ 72(DI),CX
MOVS Q 152(DI),R8
MOVQ SLR9
CMOVQEQ DX,SI
CMOVQEQ R9,DX
MOVQ CX,R9
CMOVQEQ R8,CX
CMOVQEQ R9,R8
MOVS Q SI,64(DI)
MOVQ DX,144(DI)
MOVQ CX,72(DI)
MOVQ R8,152(DI)
MOVQ DL,AX
MOVQ SL,DX
RET

Found in path(s):
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/ssl/test/runner/curve25519/cswap_amd64.s

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 */

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/* gzjoin -- command to join gzip files into one gzip file

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1.14.1/third_party/boringssl/ssl/internal.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/boringssl/include/openssl/ssl.h
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  1.14.1/third_party/cares/cares/ares_platform.h
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 * version 2.2, 14 Aug 2012
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Code: Xavier Roche '2004
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/zlib/contrib/minizip/mztools.h
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/pem/pem_xaux.c
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/asn1/time_support.c

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/*
* Utilities for constant-time cryptography.
*
* Author: Emilia Kasper (emilia@openssl.org)
* Based on previous work by Bodo Moeller, Emilia Kasper, Adam Langley
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/* minigzip.c -- simulate gzip using the zlib compression library
* Copyright (C) 1995-2006, 2010, 2011, 2016 Jean-loup Gailly
* For conditions of distribution and use, see copyright notice in zlib.h
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  1.14.1/third_party/boringssl/ssl/ssl_stat.cc
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  1.14.1/third_party/cares/cares/ares_private.h
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This function is under the MIT license.

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  1.14.1/third_party/nanopb/generator/nanopb_generator.py
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/* unzip.h -- IO for uncompress .zip files using zlib
Version 1.1, February 14th, 2010
part of the MiniZip project - ( http://www.winimage.com/zLibDll/minizip.html )

Copyright (C) 1998-2010 Gilles Vollant (minizip) ( http://www.winimage.com/zLibDll/minizip.html )

Modifications of Unzip for Zip64
Copyright (C) 2007-2008 Even Rouault

Modifications for Zip64 support on both zip and unzip
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For more info read MiniZip_info.txt
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Changes

See header of unzip64.c

/*

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  1.14.1/third_party/cares/cares/ares_init.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.tar.gz/grpcio-
  1.14.1/third_party/cares/cares/ares.h

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/decrepit/ssl/ssl_decrepit.c

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar-gz/grpcio-
  1.14.1/src/core/ext/filters/max_age/max_age_filter.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar-gz/grpcio-
  1.14.1/src/core/ext/filters/client_channel/resolver/fake/fake_resolver.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar-gz/grpcio-
  1.14.1/src/core/ext/filters/client_channel/subchannel_index.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar-gz/grpcio-
  1.14.1/src/core/ext/filters/message_size/message_size_filter.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar-gz/grpcio-
  1.14.1/src/core/ext/filters/message_size/message_size_filter.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar-gz/grpcio-
  1.14.1/src/core/lib/transport/service_config.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar-gz/grpcio-
  1.14.1/src/core/ext/filters/deadline/deadline_filter.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar-gz/grpcio-
  1.14.1/src/core/ext/filters/deadline/deadline_filter.h
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar-gz/grpcio-
  1.14.1/src/core/ext/filters/workarounds/workaround_cronet_compression_filter.h
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar-gz/grpcio-
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/third_party/googletest/scripts/upload_gtest.py
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/cares/cares/test/gmock-1.7.0/gtest/test/gtest_xml_test_utils.py
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/cares/cares/test/gmock-1.7.0/gtest/test/gtest_break_on_failure_unittest.py
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/cares/cares/test/gmock-1.7.0/gtest/test/gtest_throw_on_failure_test.py
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/cares/cares/test/gmock-1.7.0/test/gmock_output_test.py
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/cares/cares/test/gmock-1.7.0/test/gtest_xml_outfiles_test.py
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/third_party/googletest/test/gtest_env_var_test.py
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/third_party/googletest/test/gtest_break_on_failure_unittest.py
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/third_party/googletest/test/gtest_color_test.py
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
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1.14.1/third_party/cares/cares/test/gmock-1.7.0/gtest/test/gtest_uninitialized_test.py
* /opt/cola/permits/1161056020_1620444540.41.0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/cares/cares/test/gmock-1.7.0/scripts/fuse_gmock_files.py
* /opt/cola/permits/1161056020_1620444540.41.0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/boringssl/third_party/googletest/test/gtest_output_test.py
* /opt/cola/permits/1161056020_1620444540.41.0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/boringssl/third_party/googletest/scripts/fuse_gtest_files.py
* /opt/cola/permits/1161056020_1620444540.41.0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/boringssl/third_party/googletest/scripts/gen_gtest_pred_impl.py
* /opt/cola/permits/1161056020_1620444540.41.0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/cares/cares/test/gmock-1.7.0/gtest/scripts/pump.py
* /opt/cola/permits/1161056020_1620444540.41.0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/cares/cares/test/gmock-1.7.0/gtest/test/gtest_output_test.py
* /opt/cola/permits/1161056020_1620444540.41.0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/boringssl/third_party/googletest/test/gtest_uninitialized_test.py
* /opt/cola/permits/1161056020_1620444540.41.0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/boringssl/third_party/googletest/test/gtest_throw_on_failure_test.py
* /opt/cola/permits/1161056020_1620444540.41.0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/boringssl/third_party/googletest/test/gtest_xml_output_unittest.py
* /opt/cola/permits/1161056020_1620444540.41.0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/boringssl/third_party/googletest/test/gtest_test_utils.py
* /opt/cola/permits/1161056020_1620444540.41.0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/boringssl/third_party/googletest/test/gtest_xml_test_utils.py
* /opt/cola/permits/1161056020_1620444540.41.0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/cares/cares/test/gmock-1.7.0/gtest/xcode/Scripts/versiongenerate.py
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/include/openssl/base.h
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/ssl/test/packeted_bio.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/ssl/test/test_config.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/include/openssl/safestack.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/include/openssl/objects.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/ssl/test/async_bio.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/include/openssl/rand.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/pkcs7/pkcs7_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/base64/base64_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/tool/speed.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/include/openssl/bytestring.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/pkcs7/pkcs7.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/bytestring/internal.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/bytestring/cbs.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
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1.14.1/third_party/boringssl/crypto/rand_extra/windows.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-
1.14.1/third_party/boringssl/tool/pkcs12.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-
1.14.1/third_party/boringssl/tool/ssl_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-
1.14.1/third_party/boringssl/tool/transport_common.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-
1.14.1/third_party/boringssl/include/openssl/engine.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-
1.14.1/third_party/boringssl/tool/packeted_bio.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-
1.14.1/third_party/boringssl/tool/transport_common.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-
1.14.1/third_party/boringssl/crypto/cipher_extra/ead_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-
1.14.1/third_party/boringssl/crypto/bio/bio_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-
1.14.1/third_party/boringssl/crypto/cpu-arm.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-
1.14.1/third_party/boringssl/tool/async_bio.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-
1.14.1/third_party/boringssl/tool/digest.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-
1.14.1/third_party/boringssl/tool/const.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-
1.14.1/third_party/boringssl/crypto/test/malloc.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-
1.14.1/third_party/boringssl/crypto/test/lhash/lhash_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-
1.14.1/third_party/boringssl/crypto/cipher_extra/e_chacha20poly1305.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-
1.14.1/third_party/boringssl/crypto/poly1305/poly1305_vec.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-
1.14.1/third_party/boringssl/tool/client.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-
1.14.1/third_party/boringssl/tool/tool.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-
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1.14.1/third_party/boringssl/crypto/cipher_extra/e_tls.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/poly1305/poly1305.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/crypto.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/ssl/test/test_config.cc
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/tools/args.cc
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/digest_extra/digest_test.cc
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/tools/internal.h
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/engine/engine.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/include/openssl/poly1305.h
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/pkcs8/pkcs12_test.cc
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/tools/server.cc
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/bytestring/ber.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/fipsmodule/cipher/aead.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/fipsmodule/rand/rand.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/include/openssl/lhash_macros.h
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/cipher_extra/e_ssl3.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/fipsmodule/ec/ec_test.cc
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/fipsmodule/rand/urandom.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/ssl/test/bssl_shim.cc
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/hkdf/hkdf_test.cc
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/bytestring/cbb.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/bio/socket_helper.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/include/openssl/sslv3.h
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/hkdf/hkdf.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-
1.14.1/third_party/boringssl/include/openssl/opensslconf.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-1.tar.gz/grpcpio-
1.14.1/third_party/boringssl/include/openssl/chacha.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-1.tar.gz/grpcpio-
1.14.1/third_party/boringssl/crypto/evp/evp_extra_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-1.tar.gz/grpcpio-
1.14.1/third_party/boringssl/ssl/custom_extensions.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-1.tar.gz/grpcpio-
1.14.1/third_party/boringssl/crypto/err/err_test.cc
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/* gun.c -- simple gunzip to give an example of the use of inflateBack() */
* For conditions of distribution and use, see copyright notice in zlib.h
  Version 1.7  12 August 2012  Mark Adler */

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-1.tar.gz/grpcpio-
1.14.1/third_party/zlib/examples/gun.c
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-1.tar.gz/grpcpio-
1.14.1/third_party/boringssl/crypto/fipsmodule/tls/internal.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-1.tar.gz/grpcpio-
1.14.1/third_party/boringssl/crypto/cpu-aarch64-fuchsia.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-1.tar.gz/grpcpio-
1.14.1/third_party/boringssl/fipstools/cavp_kas_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-1.tar.gz/grpcpio-
1.14.1/third_party/boringssl/fipstools/cavp_tlskdf_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-1.tar.gz/grpcpio-
1.14.1/third_party/boringssl/crypto/self_test.cc
/* inffas8664.c is a hand tuned assembler version of inffast.c - fast decoding
 * version for AMD64 on Windows using Microsoft C compiler
 *
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 *
 * Copyright (C) 2003 Chris Anderson <christop@charm.net>
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 *
 * 2005 - Adaptation to Microsoft C Compiler for AMD64 by Gilles Vollant
 *
 * inffas8664.c call function inffas8664fnc in inffasx64.asm
 * inffasx64.asm is automatically convert from AMD64 portion of inffas86.c
 *
 * Dec-29-2003 -- I added AMD64 inflate asm support. This version is also
 * slightly quicker on x86 systems because, instead of using rep movsb to copy
 * data, it uses rep movsw, which moves data in 2-byte chunks instead of single
 * bytes. I've tested the AMD64 code on a Fedora Core 1 + the x86_64 updates
 * from http://fedora.linux.duke.edu/fc1_x86_64
 * which is running on an Athlon 64 3000+ / Gigabyte GA-K8VT800M system with
 * 1GB ram. The 64-bit version is about 4% faster than the 32-bit version,
 * when decompressing mozilla-source-1.3.tar.gz.
 *
 * Mar-13-2003 -- Most of this is derived from inffast.S which is derived from
 * the gcc -S output of zlib-1.2.0/inffast.c. Zlib-1.2.0 is in beta release at
 * the moment. I have successfully compiled and tested this code with gcc2.96,
 * gcc3.2, icc5.0, msvc6.0. It is very close to the speed of inffast.S
 * compiled with gcc -DNO_MMX, but inffast.S is still faster on the P3 with MMX
 * enabled. I will attempt to merge the MMX code into this version. Newer
 * versions of this and inffast.S can be found at
 * http://www.eetbeetee.com/zlib/ and http://www.charm.net/~christop/zlib/
 *
 */

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/* blast.c
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* version 1.3, 24 Aug 2013
*
* blast.c decompresses data compressed by the PKWare Compression Library.
* This function provides functionality similar to the explode() function of
* the PKWare library, hence the name "blast".
*
* This decompressor is based on the excellent format description provided by
* Ben Rudiak-Gould in comp.compression on August 13, 2001. Interestingly, the
* example Ben provided in the post is incorrect. The distance 110001 should
* instead be 111000. When corrected, the example byte stream becomes:
* 00 04 82 24 25 8f 80 7f
* which decompresses to "AIAIAIAIAIA" (without the quotes).
*/

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/x509v3/v3_ncons.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/x509v3/v3_pcons.c

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/evp/p_ec_asn1.c

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/cares/cares/ares__get_hostent.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/cares/cares/ares_dns.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
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- /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/obj/obj_xref.c
- /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/pem/pem_pk8.c
- /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/sha.h
- /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/x509/by_file.c
- /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/boringssl/crypto/fipsmodule/rsa/internal.h
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/bio/bio.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/asn1/a_bool.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/fipsmodule/bn/cmp.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/asn1/a_object.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/lhash/lhash.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/x509/x509_set.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/dh/dh_test.cc
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/x509/x509.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/x509/lt_x509.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/include/openssl/cipher.h
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/obj/obj.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/x509/x509_d2.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/evp/sign.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/x509/t_crl.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/x509/x_pkey.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/asn1/f_enum.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/asn1/hasn_dec.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/x509/a_verify.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/x509/t_x509a.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/decrepit/rsa/rsa_decrepit.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/2d/2d_pr.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/asn1/a_type.c
* /opt/cola/permits/1161056020_1620445410.41/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/cipher_extra/cipher_extra.c
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  1.14.1/third_party/boringssl/include/openssl/x509_vfy.h
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  1.14.1/third_party/boringssl/include/openssl/asn1.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
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  /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/cares/cares/ares_mkquery.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/cares/cares/ares_timeout.c
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1/third_party/cares/cares/ares_query.c
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1/third_party/cares/cares/test/gmock-1.7.0/scripts/generator/cpp/tokenize.py
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* Thanks to Rodney Brown <rbrown64@csc.com.au> for his contribution of faster
* CRC methods: exclusive-oring 32 bits of data at a time, and pre-computing
* tables for updating the shift register in one step with three exclusive-ors
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1/third_party/boringssl/crypto/x509v3/pcy_tree.c
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-tar-gz/grpcio-1.14.1/src/core/lib/channel/channelz_trace.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-tar-gz/grpcio-1.14.1/src/core/lib/channel/channelz_trace.h
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1.tar.gz/grpcio-
  1.14.1/include/grpc/impl/codegen/sync.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1.tar.gz/grpcio-
  1.14.1/src/core/lib/iomgr/unix_sockets_posix_noop.cc
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*/opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/include/grpc/grpc_cronet.h
*/opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/src/core/lib/channel/handshaker.h
*/opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/src/core/lib/security/credentials/google_default/credentials_generic.cc
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*/opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/src/core/ext/filters/client_channel/http_connect_handshaker.cc
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*/opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/src/core/lib/surface/channel_init.h
*/opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/src/core/lib/security/credentials/plugin/plugin_credentials.cc
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1.14.1/src/core/lib/slice/slice_intern.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
1.14.1/src/core/ext/transport/chttp2/client/insecure/channel_create_posix.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
1.14.1/src/core/ext/transport/cronet/transport/cronet_transport.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
1.14.1/src/core/lib/transport/pid_controller.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
1.14.1/src/core/ext/filters/load_reporting/server_load_reporting_filter.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
1.14.1/src/core/lib/transport/pid_controller.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
1.14.1/src/core/lib/security/credentials/fake/fake_credentials.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
1.14.1/src/core/lib/security/credentials/ssl/ssl_credentials.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
1.14.1/src/core/lib/iomgr/ev_epollsig_linux.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
1.14.1/src/core/ext/filters/client_channel/resolver/dns/c_ares/grpc_ares_wrapper.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
1.14.1/src/core/lib/iomgr/unix_sockets_posix.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-
1.14.1/src/core/ext/filters/client_channel/resolver/dns/c_ares/grpc_ares_wrappe
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1.14.1/src/core/ext/transport/cronet/transport/cronet_api_dummy.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/src/core/ext/transport/cronet/transport/cronet_transport.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/src/core/ext/filters/client_channel/lb_policy/grpc_lb/grpc_lb.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/src/core/lib/security/credentials/oauth2/oauth2_credentials.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/src/core/ext/filters/client_channel/http_connect_handshaker.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/src/core/lib/slice/slice_traits.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/cares/cares/ares_library_init.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/cares/cares/ares_destroy.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/cares/cares/ares_library_destroy.c

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/cares/cares/ares_destroy.c

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Found in path(s):
   /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/evp/evp_test.cc
   /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/cipher_extra/cipher_test.cc

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/zlib/contrib/infback9/infback9.h
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/x509/vpm_int.h

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  1.14.1/third_party/boringssl/crypto/dh/params.c
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/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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

The data format used by the zlib library is described by RFCs (Request for
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/fipsmodule/bn/rsaz_exp.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/fipsmodule/bn/rsaz_exp.h

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1. 14.1/third_ party/ boringssl/ crypto/ err/ err. c
/ opt/ cola/ permits/ 1161056020_1620445410.41/ 0/ grpcio-1-14-1-1- tar-gz/ grpcio-
1. 14.1/third_ party/ boringssl/ crypto/ fipsmodule/ bn/ montgomery. c
/ opt/ cola/ permits/ 1161056020_1620445410.41/ 0/ grpcio-1-14-1-1- tar-gz/ grpcio-
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/ opt/ cola/ permits/ 1161056020_1620445410.41/ 0/ grpcio-1-14-1-1- tar-gz/ grpcio-
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Inspired by Daniel J. Bernstein's public domain nistp224 implementation
// and Adam Langley's public domain 64-bit C implementation of curve25519.

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// has been built with the BORINGSSL_CONFIDENTIAL define and zero otherwise.

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  1.14.1/third_party/cares/cares/setup_once.h
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Metadata-Version: 1.1
Name: grpcio
Version: 1.14.1
Summary: HTTP/2-based RPC framework
Home-page: https://grpc.io
Author: The gRPC Authors
Author-email: grpc-io@googlegroups.com
License: Apache License 2.0
Description: gRPC Python

=============

Package for gRPC Python.

Installation

-------------

gRPC Python is available for Linux, macOS, and Windows.
From PyPI
~~~~~~~~~~

If you are installing locally...

::

$ pip install grpcio

Else system wide (on Ubuntu)...

::

$ sudo pip install grpcio

If you're on Windows make sure that you installed the `pip.exe` component when you installed Python (if not go back and install it!) then invoke:

::

$ pip.exe install grpcio

Windows users may need to invoke `pip.exe` from a command line ran as administrator.

n.b. On Windows and on Mac OS X one *must* have a recent release of `pip` to retrieve the proper wheel from PyPI. Be sure to upgrade to the latest version!

From Source
~~~~~~~~~~~~

Building from source requires that you have the Python headers (usually a package named `python-dev`).

::

$ export REPO_ROOT=grpc  # REPO_ROOT can be any directory of your choice
$ cd $REPO_ROOT
$ git submodule update --init

# For the next two commands do `sudo pip install` if you get permission-denied errors
$ pip install -rrequirements.txt
$ GRPC_PYTHON_BUILD_WITH_CYTHON=1 pip install .

You cannot currently install Python from source on Windows. Things might work
out for you in MSYS2 (follow the Linux instructions), but it isn't officially supported at the moment.

Troubleshooting
~~~~~~~~~~~~~~~~~~

Help, I ...

* ***... see a** :code:`pkg_resources.VersionConflict` **when I try to install grpc**

This is likely because :code:`pip` doesn't own the offending dependency, which in turn is likely because your operating system's package manager owns it. You'll need to force the installation of the dependency:

:code:`pip install --ignore-installed $OFFENDING_DEPENDENCY`

For example, if you get an error like the following:

::

    Traceback (most recent call last):
    File "<string>", line 17, in <module>
    ...
    File "/usr/lib/python2.7/dist-packages/pkg_resources.py", line 509, in find
      raise VersionConflict(dist, req)
    pkg_resources.VersionConflict: (six 1.8.0 (/usr/lib/python2.7/dist-packages), Requirement.parse('six>=1.10'))

You can fix it by doing:

::

    sudo pip install --ignore-installed six

* ***... see the following error on some platforms**

::

    /tmp/pip-build-U8pSsr/cython/Cython/Plex/Scanners.c:4:20: fatal error: Python.h: No such file or directory
      #include "Python.h"
    ^
    compilation terminated.

You can fix it by installing `python-dev` package. i.e

::

    sudo apt-get install python-dev
Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5
Classifier: Programming Language :: Python :: 3.6
Classifier: License :: OSI Approved :: Apache Software License

Found in path(s):
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/src/python/grpcio/grpcio.egg-info/PKG-INFO
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/PKG-INFO
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  1.14.1/third_party/boringssl/third_party/googletest/scripts/common.py
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
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   zip.h -- IO on .zip files using zlib

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Changes

See header of zip.h

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* Reference:
* S.Gueron and V.Krasnov, "Fast Prime Field Elliptic Curve Cryptography with
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1.93.1 binutils 2.36.1

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++++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a spar c opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.
Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).
H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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1.94 zlib 1.2.8

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/* zlib.h -- interface of the 'zlib' general purpose compression library
   version 1.2.11, January 15th, 2017

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1.95 python-requests 2.23.0

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1.96 openssl 1.1.1o
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  * [2013-08-28] Avoid failure on qemu guests declaring an Athlon CPU without 3dnow!

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  * [2013-08-28] fix default prefix handling in makefiles

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    Use install command instead of cp to install files with permissions control.

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  * [2014-08-03] Fixed link error on Linux/musl

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    ARMv8 support.

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  * [2015-01-01] Speed-up small `ger` and `gemv` using stack allocation (bug #478)
  * [2015-12-23] `stack_check` in `gemv.c` (bug #722)
  * [2015-12-28] Allow to force the number of parallel make job
  * [2015-12-28] Fix detection of AMD E2-3200 detection
  * [2015-12-31] Let `make MAX_STACK_ALLOC=0` do what expected
  * [2016-01-19] Disable multi-threading in `ger` and `swap` for small matrices (bug #731)
  * [2016-01-24] Use `GEMM_MULTITHREAD_THRESHOLD` as a number of ops (bug #742)
* [2016-01-26] Let `openblas_get_num_threads` return the number of active threads (bug #760)
* [2016-01-30] Speed-up small `zger`, `zgemv`, `ztrmv` using stack allocation (bug #727)

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  * [2015-11-20] lapack-test fixes for Cortex-A57
  * [2016-03-14] Additional functional Assembly Kernels for Cortex-A57
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  * [2016-05-20] STRSM optimization for MIPS P5600 and I6400 using MSA

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  * [2017-01-01] dgemm and dtrmm kernels for IBM z13
  * [2017-02-26] ztrmm kernel for IBM z13
  * [2017-03-13] strmm and ctrmm kernel for IBM z13
  * [2017-09-01] initial Blas Level-1,2 (double precision) for IBM z13
  * [2018-03-07] added missing Blas Level 1-2 (double precision) simd codes
  * [2019-02-01] added missing Blas Level-1,2 (single precision) simd codes
  * [2019-03-14] power9 dgemm/dtrmm kernel
  * [2019-04-29] power9 sgemm/strmm kernel

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{  
  "testfiles": [  
    "test/*.uts",  
    "test/scapy/layers/*.uts",  
    "test/contrib/automotive/*.uts",  
    "test/contrib/automotive/obd/*.uts",  
    "test/contrib/automotive/gm/*.uts",  
    "test/contrib/automotive/bmw/*.uts",  
    "test/contrib/automotive/xcp/*.uts",  
    "test/contrib/*.uts"  
  ],  
  "remove_testfiles": [  
    "test/linux.uts",  
    "test/windows.uts",  
    "test/contrib/automotive/ecu_am.uts",  
    "test/contrib/automotive/gm/gmlanutils.uts",  
    "test/contrib/isotp.uts",  
    "test/contrib/isotpscan.uts"  
  ],  
  "onlyfailed": true,  
  "preexec": {  
    "test/contrib/*.uts": "load_contrib("%name%")",  
    "test/cert.uts": "load_layer("tls")",  
  }
"test/sslv2.uts": "load_layer("tls")",
"test/tls*.uts": "load_layer("tls")"
},
"kw_ko": [
"linux",
"windows",
"crypto_advanced",
"ipv6",
"vcan_socket"
]
}

1.107 log-rotate 3.14.0

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* A rewrite of the original Debian's start-stop-daemon Perl script
* in C (faster - it is executed many times during system startup).
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS = -Wl,-Bsymbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
| sed "\s/\(\$*\)\(\.o\|\.d\)\:\|\v\>\($@$\)\| \| rm -f $@"'
%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed "\s/\(\$*\)\(\.o\|\.d\)\:\|\v\>\($@$\)\| \| rm -f $@"'

## Versioned libraries rules
%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}.${SO}.${SO_TARGET_VERSION} $@

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

## End BSD-specific setup

1.115 initscripts 1.0-r155

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1.116 html5lib 1.1

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1.117 shared-mime-info 1.1
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This package was originaly maintained by
Martin Mitchell <martin@debian.org>, who added the various debian/* files.

It is now maintained by Frank Lichtenheld <djpig@debian.org>.

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1.136 glibc 2.28

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/* setjmp is implemented in setjmp.S */

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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.

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

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

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

^L

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

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

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

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

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

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.
In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

a) Accompany the combined library with a copy of the same work
based on the Library, uncombined with any other library
facilities. This must be distributed under the terms of the
Sections above.

b) Give prominent notice with the combined library of the fact
that part of it is a work based on the Library, and explaining
where to find the accompanying uncombined form of the same work.
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If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

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LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

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END OF TERMS AND CONDITIONS

^L

How to Apply These Terms to Your New Libraries

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

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

Copyright (C) <year> <name of author>

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

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You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Also add information on how to contact you by electronic and paper
mail.

You should also get your employer (if you work as a programmer) or
your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library `Frob' (a library for tweaking knobs) written by James
Random Hacker.

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

That's all there is to it!

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EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected
in released code until Nov 2009 - slow release cycle...)

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Discussion thread from mailing list archive, with approval from everyone actively
involved or holding original licensing rights included.

[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16
Attachments: Message as HTML
looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=
r=20
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18
I understand that, and you're welcome to bring it up with Alec directly
and see if he wants to relicense his code as LGPL... but at this point,
it was enough to just get it consistent and documented as to what it was
released under. This wasn't actually a license change, just a
clarification of the licensing that was already in place.=20

-- Nathan
=20
-----------------------------------------------
> > -----Original Message-----
> > From: cracklib-devel-bounces@li...
> > [mailto:cracklib-devel-bounces@li...] On Behalf Of
> > Mike Frysinger
> > Sent: Monday, October 01, 2007 8:15 PM
> > To: cracklib-devel@li...
> > Subject: [Cracklib-devel] cracklib license
> > >=20
> > looks like 2.8.11 is out and marked as "GPL-2" ... releasing
> > libraries under
> > GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
> > > -mike
>
> Re: [Cracklib-devel] cracklib license
> From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33
> 
> Attachments: Message as HTML
> On Monday 01 October 2007, Neulinger, Nathan wrote:
> > I understand that, and you're welcome to bring it up with Alec directly
> > and see if he wants to relicense his code as LGPL... but at this point,
> > it was enough to just get it consistent and documented as to what it was
> > released under. This wasn't actually a license change, just a
> > clarification of the licensing that was already in place.
> 
> the original license (before moving to sourceforge -- aka, 2.7) was not=20
> GPL-2 ... it was a modified artistic license ... i didnt notice the license=20
> change until it was mentioned in the latest notes.
> 
> unlike the old license, GPL-2 prevents people from using cracklib unless th=20
> eir=20
> applications are also GPL-2 which imo is just wrong. it isnt the place of =
> a=20
> library to dictact to application writes what license they should be using.=20
> thus LGPL-2.1 enters to fill this void.
> =2Dmike
> 
> Re: [Cracklib-devel] cracklib license
> From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46
> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
decision as to what licensing scheme y'all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan

="20

-----------------------------------------------
Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
> Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
>
>=20
> On Monday 01 October 2007, Neulinger, Nathan wrote:
> > I understand that, and you're welcome to bring it up with Alec
directly
> > and see if he wants to relicense his code as LGPL... but at this
> point,
> > it was enough to just get it consistent and documented as to what
> it was
> > released under. This wasn't actually a license change, just a
> > clarification of the licensing that was already in place.
> >=20
> the original license (before moving to sourceforge -- aka, 2.7) was
> not
> GPL-2 ... it was a modified artistic license ... i didnt notice the
> license
> change until it was mentioned in the latest notes.
> >=20
> unlike the old license, GPL-2 prevents people from using cracklib
> unless their
> applications are also GPL-2 which imo is just wrong, it isnt the
> place of a
> library to dictact to application writes what license they should
> be using.
> thus LGPL-2.1 enters to fill this void.
> -mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
Seems like the ideal thing here would be for you and the other distro
maintainers to get together with Alec in a conversation and come to a
decision as to what licensing scheme y'all want. I haven't really done
much other than cleaning up the packaging and patches and a small
bit of
additional code, so whatever licensing y'all come up with is fine
by me.

I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be
linked with any code, not just GPL....

-a

Re: [Cracklib-devel] cracklib license
From: Devin Reade <gdr@gn...> - 2007-10-02 15:04
I would like to see it under LGPL as well. I think it is in everyone's
best interests to have as secure systems as possible, and I think tainting
it via GPL will just make it less likely that the library gets used, and
will not usually cause companies/developers to GPL the dependent code
(where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct
license in this situation.

Devin
--
If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license
From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > Seems like the ideal thing here would be for you and the other distro
> > maintainers to get together with Alec in a conversation and come to a
> > decision as to what licensing scheme y'all want. I haven't really done
> > much other than cleaning up the packaging and patches and a small
> > bit of
> > additional code, so whatever licensing y'all come up with is fine
> > by me.
> >
> > I am sympathetic. Guys, what do you reckon?
> >
> > What I am hearing so far is that LGPL makes sense, since it can be
> > linked with any code, not just GPL....
My apologies for not chiming in in anything resembling a reasonable timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the GPL would permit applications which were released under version 3 of the GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML
On Monday 28 January 2008, Nalin Dahyabhai wrote:
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> 
> > >> Seems like the ideal thing here would be for you and the other distro
> > >> maintainers to get together with Alec in a conversation and come to a
> > >> decision as to what licensing scheme y'all want. I haven't really done
> > >> much other than cleaning up the packaging and patches and a small
> > >> bit of
> > >> additional code, so whatever licensing y'all come up with is fine
> > >> by me.
> > >>
> > >
> > >> I am sympathetic. Guys, what do you reckon?
> > >
> > >
> > > What I am hearing so far is that LGPL makes sense, since it can be
> > > linked with any code, not just GPL....
> > 
> > My apologies for not chiming in in anything resembling a reasonable
> > timeframe.
> >
> > I'd also suggest the LGPL, for the reason you noted above. Alternately,
> > GPLv2 with the option of using the library under a later version of the
> > GPL would permit applications which were released under version 3 of the
> > GPL to use the library, too, which would be sufficient for the packages
> > which are included in Fedora. FWIW, I'd personally lean toward LGPL.
> >
> > In any case, I thank you both for working on sorting this out.

looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?
Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18
>> In any case, I thank you both for working on sorting this out.
> > looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
> the change now ?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML
On Sunday 05 October 2008, Alec Muffett wrote:
> >> In any case, I thank you both for working on sorting this out.
> > looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
> the change now ?
> > yes. go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ...
-mike

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BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.
--------

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.
From alecm@crypticide.com Mon Oct  1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft
SMTPSVC(6.0.3790.3959);
   Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft
SMTPSVC(6.0.3790.3959);
   Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
   by scanin-ipv6.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
   by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id l91Gxtpr020623
for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
   by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3])
   by rutherford.zen.co.uk with esmtp (Exim 4.50)
   id 11eOcX-0004Qt-6L
   for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
   <EC90713277D2BE41B7110CCCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
   <11b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length: 585
Lines: 21

> >---------- Forwarded message----------
> >From: Neulinger, Nathan <nneul@umr.edu>
> >Date: Sep 27, 2007 2:58 PM
> >Subject: RE: cracklib license

Open Source Used In NX-OS System Software 10.3(1)F  1928
To: alecm@crypto.dircon.co.uk

Any chance you could write me a self-contained email stating clearly that the license is being changed to GPL, so I could include that email in the repository and clean up the repository/tarballs? I have all the original discussion, but something succinct and self contained would be ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

1.138 netcf 0.2.8+git0+2c5d425585
1.138.1 Available under license:

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1.139 kpatch 0.9.5+git0+61fc3f1077-r0

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

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

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

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

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

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

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

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

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

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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 on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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

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

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

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

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

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sysfsutils/lib/LGPL

1.145 wireshark 3.2.18

1.145.1 Available under license :

/* extcap.c
 *
 * Routines for extcap external capture
 * Copyright 2013, Mike Ryan <mikeryan@lacklustre.net>
 * 
 * Wireshark - Network traffic analyzer
 * By Gerald Combs <gerald@wireshark.org>
 * Copyright 1998 Gerald Combs
 * 
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Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

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

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0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

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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.
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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.

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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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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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* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/README.rst

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Metadata-Version: 1.1
Name: falcon
Version: 1.1.0
Summary: An unladen web framework for building APIs and app backends.
Home-page: http://falconframework.org
Author: Kurt Griffiths
Author-email: mail@kgriffs.com
License: Apache 2.0
Description: Falcon |Docs| [Build Status] |codecov.io|

========================================

Perfection is finally attained not when there is no longer anything to add, but when there is no longer anything to take away.

*- Antoine de Saint-Exup©ry*

Falcon is a `high-performance Python framework <http://falconframework.org/index.html>`__ for building cloud APIs. It encourages the REST architectural style, and tries to do as little as possible while remaining `highly effective <http://falconframework.org/index.html#Benefits>`__.

Quick Links
-----------
* `Read the docs <https://falcon.readthedocs.io/en/stable>`__.
* `Join the discussion group <https://groups.google.com/forum/#!forum/falconframework>`__.
* `Hang out in #falconframework on freenode <https://kiwiirc.com/client/irc.freenode.net/?#falconframework>`__.

Design Goals
------------

**Fast.** Cloud APIs need to turn around requests quickly, and make efficient use of hardware. This is particularly important when serving
many concurrent requests. Falcon is among the fastest WSGI frameworks available, processing requests `several times faster <http://falconframework.org/#Metrics>`__ than other Python web frameworks.

**Light.** Only the essentials are included, with *six* and *mimeparse* being the only dependencies outside the standard library. We work hard to keep the code lean, making Falcon easier to test, secure, optimize, and deploy.

**Flexible.** Falcon is not opinionated when it comes to talking to databases, rendering content, authorizing requests, etc. You are free to mix and match your own favorite libraries. Falcon apps work with any WSGI server, and run great under `CPython 2.6-2.7, PyPy, Jython 2.7, and CPython 3.3-3.5 <https://travis-ci.org/falconry/falcon>`__.

Features
--------

- Highly-optimized, extensible code base
- Intuitive routing via URI templates and REST-inspired resource classes
- Easy access to headers and bodies through request and response classes
- DRY request processing via middleware components and hooks
- Idiomatic HTTP error responses
- Straightforward exception handling
- Snappy unit testing through WSGI helpers and mocks
- CPython 2.6-2.7, PyPy, Jython 2.7, and CPython 3.3-3.5 support
- ~20% speed boost when Cython is available

Who's Using Falcon?
-------------------

Falcon is used around the world by a growing number of organizations, including:

- 7ideas
- Cronitor
- EMC
- Hurricane Electric
- Leadpages
- OpenStack
- Rackspace
- Shiftgig
- tempfil.es
- Opera Software
If you are using the Falcon framework for a community or commercial project, please consider adding your information to our wiki under `Who's Using Falcon? <https://github.com/falconry/falcon/wiki/Who's-using-Falcon%3F>`_.

You might also like to view our `Add-on Catalog <https://github.com/falconry/falcon/wiki/Add-on-Catalog>`_, where you can find a list of add-ons maintained by the community.

Installation
------------

PyPy
^^^^

`PyPy <http://pypy.org/>`__ is the fastest way to run your Falcon app. However, note that only the PyPy 2.7 compatible release is currently supported.

.. code:: bash

    $ pip install falcon

CPython
^^^^^^^

Falcon also fully supports `CPython <https://www.python.org/downloads/>`__ 2.6-3.5.

A universal wheel is available on PyPI for the the Falcon framework. Installing it is as simple as:

.. code:: bash

    $ pip install falcon

Installing the wheel is a great way to get up and running with Falcon quickly in a development environment, but for an extra speed boost when deploying your application in production, Falcon can compile itself with Cython.

The following commands tell pip to install Cython, and then to invoke Falcon's `"setup.py"`, which will in turn detect the presence of Cython and then compile (AKA cythonize) the Falcon framework with the system's default C compiler.

.. code:: bash

    $ pip install cython
$ pip install --no-binary :all: falcon

**Installing on OS X**

Xcode Command Line Tools are required to compile Cython. Install them with this command:

.. code:: bash

   $ xcode-select --install

The Clang compiler treats unrecognized command-line options as errors; this can cause problems under Python 2.6, for example:

.. code:: bash


You might also see warnings about unused functions. You can work around these issues by setting additional Clang C compiler flags as follows:

.. code:: bash

   $ export CFLAGS="-Qunused-arguments -Wno-unused-function"

Dependencies
~~~~~~~~~~~~~~

Falcon depends on `six` and `python-mimeparse`. `python-mimeparse` is a better-maintained fork of the similarly named `mimeparse` project. Normally the correct package will be selected by Falcon's `setup.py`. However, if you are using an alternate strategy to manage dependencies, please take care to install the correct package in order to avoid errors.

WSGI Server
~~~~~~~~~~~~

Falcon speaks WSGI, and so in order to serve a Falcon app, you will need a WSGI server. Gunicorn and uWSGI are some of the more popular ones out there, but anything that can load a WSGI app will do.

.. code:: bash

   $ pip install [gunicorn|uwsgi]

Source Code
Falcon `lives on GitHub <https://github.com/falconry/falcon>`_, making the code easy to browse, download, fork, etc. Pull requests are always welcome! Also, please remember to star the project if it makes you happy. :)  

Once you have cloned the repo or downloaded a tarball from GitHub, you can install Falcon like this:

.. code:: bash

   $ cd falcon
   $ pip install .

Or, if you want to edit the code, first fork the main repo, clone the fork to your desktop, and then run the following to install it using symbolic linking, so that when you change your code, the changes will be automagically available to your app without having to reinstall the package:

.. code:: bash

   $ cd falcon
   $ pip install -e .

You can manually test changes to the Falcon framework by switching to the directory of the cloned repo and then running pytest:

.. code:: bash

   $ cd falcon
   $ pip install -r tools/test-requires
   $ pytest tests

Or, to run the default set of tests:

.. code:: bash

   $ pip install tox && tox

See also the `tox.ini <https://github.com/falconry/falcon/blob/master/tox.ini>`_ file for a full list of available environments.

Read the docs
-------------

The docstrings in the Falcon code base are quite extensive, and we recommend keeping a REPL running while learning the framework so that you can query the various modules and classes as you have questions.
Online docs are available at: https://falcon.readthedocs.io

You can build the same docs locally as follows:

.. code:: bash

    $ pip install tox && tox -e docs

Once the docs have been built, you can view them by opening the following index page in your browser. On OS X it's as simple as::

    $ open docs/_build/html/index.html

Or on Linux:

    $ xdg-open docs/_build/html/index.html

Getting started
---------------

Here is a simple, contrived example showing how to create a Falcon-based API.

.. code:: python

    # things.py
    # Let's get this party started!
    import falcon

    # Falcon follows the REST architectural style, meaning (among
    # other things) that you think in terms of resources and state
    # transitions, which map to HTTP verbs.
    class ThingsResource(object):
        def on_get(self, req, resp):
            """Handles GET requests""
            resp.status = falcon.HTTP_200  # This is the default status
            resp.body = ('\nTwo things awe me most, the starry sky 
' 'above me and the moral law within me.\n
' '\n' ' ~ Immanuel Kant\n
')

    # falcon.API instances are callable WSGI apps
    app = falcon.API()

    # Resources are represented by long-lived class instances
things = ThingsResource()

# things will handle all requests to the '/things' URL path
app.add_route('/things', things)

You can run the above example using any WSGI server, such as uWSGI or Gunicorn. For example:

.. code:: bash

    $ pip install gunicorn
    $ gunicorn things:app

Then, in another terminal:

.. code:: bash

    $ curl localhost:8000/things

A more complex example
-----------------------

Here is a more involved example that demonstrates reading headers and query parameters, handling errors, and working with request and response bodies.

.. code:: python

    import json
    import logging
    import uuid
    from wsgiref import simple_server
    import requests

    class StorageEngine(object):

        def get_things(self, marker, limit):
            return [{'id': str(uuid.uuid4()), 'color': 'green'}]

        def add_thing(self, thing):
            thing['id'] = str(uuid.uuid4())
            return thing

        class StorageError(Exception):


@staticmethod
def handle(ex, req, resp, params):
    description = ('Sorry, couldn\'t write your thing to the '
    'database. It worked on my box.\n')

    raise falcon.HTTPError(falcon.HTTP_725,
    'Database Error',
    description)

class SinkAdapter(object):

    engines = {
        'ddg': 'https://duckduckgo.com',
        'y': 'https://search.yahoo.com/search',
    }

    def __call__(self, req, resp, engine):
        url = self.engines[engine]
        params = {'q': req.get_param('q', True)}
        result = requests.get(url, params=params)

        resp.status = str(result.status_code) + ' ' + result.reason
        resp.content_type = result.headers['content-type']
        resp.body = result.text

class AuthMiddleware(object):

    def process_request(self, req, resp):
        token = req.get_header('Authorization')
        account_id = req.get_header('Account-ID')
        challenges = ['Token type="Fernet"']

        if token is None:
            description = ('Please provide an auth token ' 
            'as part of the request.\n')

            raise falcon.HTTPUnauthorized('Auth token required',
            description,
            challenges,
            href='http://docs.example.com/auth')

        if not self._token_is_valid(token, account_id):
            description = ('The provided auth token is not valid. ' 
            'Please request a new token and try again.\n')

            raise falcon.HTTPUnauthorized('Auth token required',
            description,
            challenges,
            href='http://docs.example.com/auth')
raise falcon.HTTPUnauthorized('Authentication required',
    description,
    challenges,
    href='http://docs.example.com/auth')

def _token_is_valid(self, token, account_id):
    return True  # Suuuuuure it's valid...

class RequireJSON(object):

def process_request(self, req, resp):
    if not req.client_accepts_json:
        raise falcon.HTTPNotAcceptable(
            'This API only supports responses encoded as JSON.',
            href='http://docs.example.com/api/json')

if req.method in ('POST', 'PUT'):
    if 'application/json' not in req.content_type:
        raise falcon.HTTPUnsupportedMediaType(
            'This API only supports requests encoded as JSON.',
            href='http://docs.example.com/api/json')

class JSONTranslator(object):

def process_request(self, req, resp):
    # req.stream corresponds to the WSGI wsgi.input environ variable,
    # and allows you to read bytes from the request body.
    #
    # See also: PEP 3333
    if req.content_length in (None, 0):
        # Nothing to do
        return

    body = req.stream.read()
    if not body:
        raise falcon.HTTPBadRequest('Empty request body',
                                     'A valid JSON document is required.')

    try:
        req.context['doc'] = json.loads(body.decode('utf-8'))
    except (ValueError, UnicodeDecodeError):
        raise falcon.HTTPError(falcon.HTTP_753,
                                'Malformed JSON',
                                'Could not decode the request body. The ')
def process_response(self, req, resp, resource):
    if 'result' not in req.context:
        return

    resp.body = json.dumps(req.context['result'])

def max_body(limit):

def hook(req, resp, resource, params):
    length = req.content_length
    if length is not None and length > limit:
        msg = ('The size of the request is too large. The body must not ' 
               'exceed ' + str(limit) + ' bytes in length.')

        raise falcon.HTTPRequestEntityTooLarge('Request body is too large', msg)

    return hook

class ThingsResource(object):

    def __init__(self, db):
        self.db = db
        self.logger = logging.getLogger('thingsapp.' + __name__)

    def on_get(self, req, resp, user_id):
        marker = req.get_param('marker') or ''
        limit = req.get_param_as_int('limit') or 50

        try:
            result = self.db.get_things(marker, limit)
        except Exception as ex:
            self.logger.error(ex)

        description = ('Aliens have attacked our base! We will ' 
                        'be back as soon as we fight them off. ' 
                        'We appreciate your patience.')

        raise falcon.HTTPServiceUnavailable('Service Outage', 
                                             description, 
                                             30)
# An alternative way of doing DRY serialization would be to
# create a custom class that inherits from falcon.Request. This
# class could, for example, have an additional 'doc' property
# that would serialize to JSON under the covers.
req.context['result'] = result

resp.set_header('Powered-By', 'Falcon')
resp.status = falcon.HTTP_200

@falcon.before(max_body(64 * 1024))
def on_post(self, req, resp, user_id):
    try:
        doc = req.context['doc']
    except KeyError:
        raise falcon.HTTPBadRequest('Missing thing',
                                     'A thing must be submitted in the request body. ')

    proper_thing = self.db.add_thing(doc)

    resp.status = falcon.HTTP_201
    resp.location = '/%s/things/%s' % (user_id, proper_thing['id'])

# Configure your WSGI server to load "things.app" (app is a WSGI callable)
app = falcon.API(middleware=[
    AuthMiddleware(),
    RequireJSON(),
    JSONTranslator(),
    ])

db = StorageEngine()
things = ThingsResource(db)
app.add_route('/{user_id}/things', things)

# If a responder ever raised an instance of StorageError, pass control to
# the given handler.
app.add_error_handler(StorageError, StorageError.handle)

# Proxy some things to another service; this example shows how you might
# send parts of an API off to a legacy system that hasn't been upgraded
# yet, or perhaps is a single cluster that all data centers have to share.
sink = SinkAdapter()
sink.add_sink(sink, r'\search/?P<engine>ddg|y\Z')

# Useful for debugging problems in your API; works with pdb.set_trace(). You
# can also use Gunicorn to host your app. Gunicorn can be configured to
# auto-restart workers when it detects a code change, and it also works
# with pdb.
if __name__ == '__main__':
    httpd = simple_server.make_server('127.0.0.1', 8000, app)
    httpd.serve_forever()

Community
---------

The Falcon community maintains a discussion group that you can use to share your ideas and ask questions about the framework. To join the discussion, please visit https://groups.google.com/d/forum/falconframework.

Per our `Code of Conduct <https://github.com/falconry/falcon/blob/master/CODEOFCONDUCT.md>`_, we expect everyone who participates in community discussions to act professionally, and lead by example in encouraging constructive discussions. Each individual in the community is responsible for creating a positive, constructive, and productive culture.

We also hang out in `#falconframework <https://kiwiirc.com/client/irc.freenode.net/?#falconframework>`_ on freenode, where everyone is always welcome to ask questions and share ideas.

Contributing
------------

Kurt Griffiths (kgriffs) is the creator and current maintainer of the Falcon framework, with the generous help of a number of stylish and talented contributors.

Pull requests are always welcome. We use the GitHub issue tracker to organize our work, put you do not need to open a new issue before submitting a PR.

Before submitting a pull request, please ensure you have added/updated the appropriate tests (and that all existing tests still pass with your changes), and that your coding style follows PEP 8 and doesn't cause pyflakes to complain.

Commit messages should be formatted using `AngularJS conventions <http://goo.gl/QpbS7>`_.

Comments follow `Google's style guide <https://google.github.io/styleguide/pyguide.html?showone=Comments#Comments>`_ with the additional requirement of prefixing inline comments using your GitHub nick and an appropriate prefix:
- TODO(riker): Damage report!
- NOTE(riker): Well, that's certainly good to know.
- PERF(riker): Travel time to the nearest starbase?
- APPSEC(riker): In all trust, there is the possibility for betrayal.

See also: `CONTRIBUTING.md <https://github.com/falconry/falcon/blob/master/CONTRIBUTING.md>`__

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Keywords: wsgi web api framework rest http cloud
Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/ Stable
Classifier: Environment :: Web Environment
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Found in path(s):

* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/testing/helpers.py

1.151 google-test 1.7.0

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# This file contains a list of people who've made non-trivial contribution to the Google C++ Testing Framework project. People who commit code to the project are encouraged to add their names here. Please keep the list sorted by first names.

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1.152 shadow 4.6

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A. HISTORY OF THE SOFTWARE

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

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

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

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

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- lwsws/*

------- end of exceptions

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Version 2.1, February 1999

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<one line to give the program's name and a brief idea of what it does.>
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1.164 pciutils 3.6.2
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1.165 inetutils 1.9.4
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1.168 python-certifi 2018.08.13
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c-a-bundle.crt -- Bundle of CA Root Certificates

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  * Added generation of field number constants.
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  * Detect whether zlib is new enough in configure script.
  * Fixes for Solaris 10 32/64-bit confusion.
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  * Optimize Java serialization of strings so that UTF-8 encoding happens only
    once per string per serialization call.
  * Clean up some Java warnings.
  * Fix bug with permanent callbacks that delete themselves when run.
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Andrew Paprocki <andrew@ishiboo.com>
  * Fixed minor IBM xIC compiler build issues
  * Added atomicops for AIX (POWER)

1.172 berkeley-db 5.3.28
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1.182 libyaml 0.2.1

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1.183 newt 0.52.20

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

  Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived form the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5c6ff2bb5b6.
Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
  These files were derived from the file_handle, systembuf, pipe and pistream
  classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,
  admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
  except the first one, were first implemented in the Buildtool project.
  They were later adapted to be part of Boost.Process and, during that
  process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

===========================================================================
vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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-->

<!-- $Id$ -->

<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet version="1.0"
  xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  xmlns:xi="http://www.w3.org/2001/XInclude"
  xmlns:db="http://docbook.org/ns/docbook">
  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
      </xsl:call-template>
    </xsl:if>
  </xsl:template>
</xsl:stylesheet>
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1.185 iputils s20180629

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Here is a list of the main contributors to lm-sensors version 3.

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  Many optimizations in libsensors and sensors.
  Configuration file converter.
  Rewrite of sensors-detect.
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<td>lib/JSON</td>
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==============================================================================
; RUN: llc -mtriple=aarch64-apple-ios %s -o - | FileCheck %s

define <16 x double> @test_sitofp_fixed(<16 x i32> %in) {
  ; CHECK-LABEL: test_sitofp_fixed:

  ; First, extend each i32 to i64
  ; CHECK-DAG: sshll2.2d [[BLOCK0_HI:v[0-9]+]], v0, #0
  ; CHECK-DAG: sshll2.2d [[BLOCK1_HI:v[0-9]+]], v1, #0
  ; CHECK-DAG: sshll2.2d [[BLOCK2_HI:v[0-9]+]], v2, #0
  ; CHECK-DAG: sshll2.2d [[BLOCK3_HI:v[0-9]+]], v3, #0
  ; CHECK-DAG: sshll.2d [[BLOCK0_LO:v[0-9]+]], v0, #0
  ; CHECK-DAG: sshll.2d [[BLOCK1_LO:v[0-9]+]], v1, #0
  ; CHECK-DAG: sshll.2d [[BLOCK2_LO:v[0-9]+]], v2, #0
  ; CHECK-DAG: sshll.2d [[BLOCK3_LO:v[0-9]+]], v3, #0

  ; Next, convert each to double.
  ; CHECK-DAG: scvtf.2d v0, [[BLOCK0_LO]]
  ; CHECK-DAG: scvtf.2d v1, [[BLOCK0_HI]]
  ; CHECK-DAG: scvtf.2d v2, [[BLOCK1_LO]]
  ; CHECK-DAG: scvtf.2d v3, [[BLOCK1_HI]]
  ; CHECK-DAG: scvtf.2d v4, [[BLOCK2_LO]]
  ; CHECK-DAG: scvtf.2d v5, [[BLOCK2_HI]]
  ; CHECK-DAG: scvtf.2d v6, [[BLOCK3_LO]]
  ; CHECK-DAG: scvtf.2d v7, [[BLOCK3_HI]]

  ; CHECK: ret
  %flt = sitofp <16 x i32> %in to <16 x double>
  %res = fdiv <16 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0>
  ret <16 x double> %res
}

; This one is small enough to satisfy isSimple, but still illegally large.
define <4 x double> @test_sitofp_fixed_shortish(<4 x i64> %in) {
  ; CHECK-LABEL: test_sitofp_fixed_shortish:

Open Source Used in NX-OS System Software 10.3(1)F 2541
; CHECK-DAG: scvtf.2d v0, v0
; CHECK-DAG: scvtf.2d v1, v1

; CHECK: ret
%flt = sitofp <4 x i64> %in to <4 x double>
%res = fdiv <4 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0>
ret <4 x double> %res
}
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</tr>
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<td>OpenBSD regex</td>
<td>llvm/lib/Support/{reg*, COPYRIGHT.regex}</td>
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add_lldb_library(lldbPluginObjectContainerBSDArchive ObjectContainerBSDArchive.cpp)
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; RUN: llc -march=hexagon < %s
; REQUIRES: asserts

; The two loads based on %struct.0, loading two different data types
; cause LSR to assume type "void" for the memory type. This would then
; cause an assert in isLegalAddressingMode. Make sure we no longer crash.

target triple = "hexagon"

%struct.0 = type { i8*, i8, %union.anon.0 }
%union.anon.0 = type { i8* }

define hidden fastcc void @fred() unnamed_addr #0 {
entry:
  br i1 undef, label %while.end, label %while.body.lr.ph

while.body.lr.ph: ; preds = %entry
  br label %while.body

while.body: ; preds = %exit.2, %while.body.lr.ph
  %lsr.iv = phi %struct.0* [ %cgep22, %exit.2 ], [ undef, %while.body.lr.ph ]
  switch i32 undef, label %exit [
    i32 1, label %sw.bb.i
    i32 2, label %sw.bb3.i
  ]

sw.bb.i: ; preds = %while.body
  unreachable

sw.bb3.i: ; preds = %while.body
  unreachable

exit: ; preds = %while.body
  switch i32 undef, label %exit.2 [
    i32 1, label %sw.bb.i17
    i32 2, label %sw.bb3.i20
  ]

sw.bb.i17: ; preds = %exit
  %0 = bitcast %struct.0* %lsr.iv to i32*
  %1 = load i32, i32* %0, align 4
  unreachable

sw.bb3.i20: ; preds = %exit
  %2 = bitcast %struct.0* %lsr.iv to i8**
  %3 = load i8*, i8** %2, align 4
  unreachable

exit.2: ; preds = %exit
  %cgep22 = getelementptr %struct.0, %struct.0* %lsr.iv, i32 1
  br label %while.body

while.end: ; preds = %entry
  ret void
}

attributes #0 = { nounwind optsize "target-cpu"="hexagonv55" }

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1.203 python-pip 20.1.1

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<signature of Ty Coon>, 1 April 1990
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Open Source Used In NX-OS System Software 10.3(1)F  2679

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A. HISTORY OF THE SOFTWARE

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

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

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
Corporation, see http://www.zope.com). In 2001, the Python Software
Foundation (PSF, see http://www.python.org/psf/) was formed, a
non-profit organization created specifically to own Python-related
Intellectual Property. Zope Corporation is a sponsoring member of
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All Python releases are Open Source (see http://www.opensource.org for
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3.0.1   3.0    2009      PSF    yes
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3.1.2   3.1    2010      PSF    yes
3.2    3.1    2010      PSF    yes

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## -*-makefile-*-
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)
## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH= 
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<

%.$(DYNAMIC_O): $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<
%.$(DYNAMIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(_SHELL) -ec "$(_GEN_DEPS.c) $< \
| sed \"s/\($*\)\.o[ :]*/\1.o $@ : /g\" > $@;\ 
[ -s $@ ] || rm -f $@"

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(_SHELL) -ec "$(_GEN_DEPS.cc) $< \
| sed \"s/\($*\)\.o[ :]*/\1.o $@ : /g\" > $@;\ 

[ -s $@ ] || rm -f $@

## Versioned libraries rules

%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s {*F}.$(SO).$(SO_TARGET_VERSION) $@

## End FreeBSD-specific setup

### 1.215 parted 3.2

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The End

```perl
#!/perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so that tests still pass for people intentionally working on older versions:
if ($opt eq '--now') {
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
```


# Otherwise simply check that the two copyright dates match each other:
else
{
  is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
  open my $readme, '<', '../README' or die "Opening README failed: $!";

  # The copyright message is the first paragraph:
  local $/ = '';
  my $copyright_msg = <$readme>;

  my ($year) = $copyright_msg =~ /.*\b\d{4,}/s
  or die "Year not found in README copyright message '$copyright_msg'";

  $year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
  my $output = runperl switches => ['-v'];
  my ($year) = $output =~ /copyright 1987.*\b\d{4,}/i
  or die "Copyright statement not found in perl -v output '$output'";

  $year;
}

1.217 elfutils 0.175
1.217.1 Available under license:
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Version 2, June 1991

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1.219 tcp-wrappers 7.6-r10

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1.220 rsync 3.1.3-r0

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1.224 json-glib 1.2.8

1.225 strace 4.24

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1.226 libcap 2.25-r0

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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_nicstart() for PHY initialization to change this. This driver
 * expects the Linux ATM stack to support scatter-gather lists
 * (skb->atm.iovcnt != 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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1.231 python-requests 2.19.1-4.ph3

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1.233 python-pip 21.2.4

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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
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b) Use a suitable shared library mechanism for linking with the
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A. HISTORY OF THE SOFTWARE

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

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

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

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes
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This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php_curl, or with an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $
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A. HISTORY OF THE SOFTWARE

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

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

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

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

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1.236 gnutls 3.6.14

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1.238 sysv-init 2.88dsf-r14

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Send patches to sysvinit-devel@nongnu.org
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* A rewrite of the original Debian's start-stop-daemon Perl script
* in C (faster - it is executed many times during system startup).
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1.239 rpcbind 0.2.4-r0

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1.253 tabulate 0.8.2

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1.254 ndg-httpsclient 0.5.1-4.ph4

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1.255 rpm 4.14.2

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1.258 gpgme 1.11.1

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{
"testfiles": [
"test/*.uts",
"test/contrib/*.uts"
],
"remove_testfiles": [
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"test/windows.uts",
"test/contrib/cansocket_native.uts"],
"test/contrib/cansocket_python_can.uts",
,"onlyfailed": true,
"preexec": {
  "test/contrib/*.uts": "load_contrib("%name%")",
  "test/cert.uts": "load_layer("tls")",
  "test/sslv2.uts": "load_layer("tls")",
  "test/tls*.uts": "load_layer("tls")"
},
"format": "text",
"kw_ko": [
  "linux",
  "windows",
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1.265 sed 4.1.5

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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.iovcnt != 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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1.278 nose 1.3.7

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* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/grpc_tools/main.cc
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
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* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/grpc_root/include/grpc/census.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/grpc_root/include/grpcpp/server_builder.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/grpc_root/include/grpc/grpc.h
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* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/wire_format_lite.cc
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/stubs/int128.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/unittest_lite_imports_nonlite.proto
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/stubs/arena_test_util.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/compiler/js/js_generator.cc
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/unittest_import.proto
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec_oneof.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/compiler/java/java_context.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/generated_message_table_driven.cc
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/field_mask.proto
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/message.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/stubs/time_test.cc
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/unittest_embed_optimize_for.proto
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/any.cc
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/arena.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/unittest_preserve_unknown_enum.proto
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/stubs/substitute.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/compiler/java/java_message_field_lite.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/map_lite_test_util.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/util/internal/object_source.h
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* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/compiler/mock_code_generator.cc
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* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/compiler/csharp/csharp_message_field.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/testing/googletest.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/testing/googletest.h
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* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/stubs/atomicops_internals_solaris.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/stubs/atomicops_internals_solaris.h

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* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
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  1.14.1/third_party/protobuf/src/google/protobuf/stubs/stringprintf.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
  1.14.1/third_party/protobuf/src/google/protobuf/stubs/atomicops.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
  1.14.1/third_party/protobuf/src/google/protobuf/stubs/atomicops_internals_arm64_gcc.h
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  1.14.1/third_party/protobuf/src/google/protobuf/stubs/atomicops_internals_arm64_msvc.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
  1.14.1/third_party/protobuf/src/google/protobuf/stubs/atomicops_internals_x86_msvc.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
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* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
  1.14.1/third_party/protobuf/src/google/protobuf/stubs/platform_macros.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
  1.14.1/third_party/protobuf/src/google/protobuf/stubs/structurally_valid_unittest.cc

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  */

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* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/stubs/type_traits_unittest.cc

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* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec_map_field.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/compiler/csharp/csharp_map_field.cc

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* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/grpc_root/include/grpcpp/impl/codegen/security/auth_context.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/grpc_root/include/grpc/impl/codegen/byte_buffer.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/grpc_root/include/grpcpp/impl/codegen/rpc_method.h
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1.284 python-requests 2.13.0

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1.285 libnl3 3.4.0

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Ackeret, Matt
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Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
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Benali, Elias
Beverly, Jamie
Boardman, Spider
Bos, Sander
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Bowes, Keith
Boyce, Keith Garry
Brantley, Michael
Braun, Rob
Bezina, Pavel
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Coleman, Chris
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Edgington, Ben
Esipovich, Marc
Espie, Marc
Faigon, Ariel
Farrell, Brian
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Frysiner, Mike
G., Daniel Richard
Gailly, Jean-loup
Gelman, Stephen
Gerraty, Simon J.
Graber, Stephane
Guillory, B.
Hayman, Randy M.
Henke, Joachim
Hideaki, Yoshifuji
Hieb, Dave
Holloway, Nick
Hoover, Adam
Hunter, Michael T.
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Jackson, Brian
Jackson, John R.
Jackson, Richard L., Jr.
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Jorge, Joel Pele
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Lobbes, Phillip E.
McIntyre, Jason
MacKenzie, David J.
McLaughlin, Tom
Makey, Jeff
The following people have worked to translate sudo into other languages as part of the Translation Project, see https://translationproject.org for more details.

Albuquerque, Pedro  
Blittermann, Mario  
Bogusz, Jakub  
Buo-ren, Lin  
Casagrande, Milo  
Castro, Felipe
Cho, Seong-ho
Chornoivan, Yuri
Diguez, Francisco
Fontenelle, Rafael
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1.291 e2fsprogs 1.45.6-r0

1.291.1 Available under license:

This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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#
# This is a Makefile stub which handles the creation of BSD shared libraries.
#
# In order to use this stub, the following makefile variables must be defined.
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = `$(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)`
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ./*.$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALLPROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)/$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
 Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
 /*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
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Theodore Ts'o
23-June-2007

____________________________________________________________________

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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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Gadi Oxman, August 1995

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1.297 grep 3.1-r0

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ASN.1 library for Python

------------------------
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This is a free and open source implementation of ASN.1 types and codecs as a Python package. It has been first written to support particular protocol (SNMP) but then generalized to be suitable for a wide range of protocols based on
[ASN.1 specification](https://www.itu.int/rec/dologin_pub.asp?lang=e&id=T-REC-X.208-198811-W!!PDF-E&type=items).
Features
-------

* Generic implementation of ASN.1 types (X.208)
* Standards compliant BER/CER/DER codecs
* Dumps/loads ASN.1 structures from Python types
* 100% Python, works with Python 2.4 up to Python 3.7
* MT-safe
* Contributed ASN.1 compiler [Asn1ate](https://github.com/kimgr/asn1ate)

Why using pyasn1
-----------------

ASN.1 solves the data serialisation problem. This solution was designed long ago by the wise Ancients. Back then, they did not have the luxury of wasting bits. That is why ASN.1 is designed to serialise data structures of unbounded complexity into something compact and efficient when it comes to processing the data.

That probably explains why many network protocols and file formats still rely on the 30+ years old technology. Including a number of high-profile Internet protocols and file formats.

Quite a number of books cover the topic of ASN.1. [Communication between heterogeneous systems](http://www.oss.com/asn1/dubuisson.html) by Olivier Dubuisson is one of those high quality books freely available on the Internet.

The pyasn1 package is designed to help Python programmers tackling network protocols and file formats at the comfort of their Python prompt. The tool struggles to capture all aspects of a rather complicated ASN.1 system and to represent it on the Python terms.

How to use pyasn1
-----------------

With pyasn1 you can build Python objects from ASN.1 data structures. For example, the following ASN.1 data structure:

```
```bash
Record ::= SEQUENCE {
  id INTEGER,
  room [0] INTEGER OPTIONAL,
  house [1] INTEGER DEFAULT 0
}
```
Could be expressed in pyasn1 like this:

```python
class Record(Sequence):
    componentType = NamedTypes(
        NamedType('id', Integer()),
        OptionalNamedType(
            'room', Integer().subtype(
                implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
            ),
        ),
        DefaultedNamedType(
            'house', Integer(0).subtype(
                implicitTag=Tag(tagClassContext, tagFormatSimple, 1)
            ),
        ),
    )
```

It is in the spirit of ASN.1 to take abstract data description and turn it into a programming language specific form. Once you have your ASN.1 data structure expressed in Python, you can use it along the lines of similar Python type (e.g. ASN.1 `SET` is similar to Python `dict`, `SET OF` to `list`):

```python
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
room=321
```  

Part of the power of ASN.1 comes from its serialisation features. You can serialise your data structure and send it over the network.

```python
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
00000: 30 07 02 01 7B 80 02 01 41
```

Conversely, you can turn serialised ASN.1 content, as received from network or read from a file, into a Python object which you can
introspect, modify, encode and send back.

```python
>>> from pyasn1.codec.der.decoder import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())

>>> for field in received_record:
...    print('{} is {}'.format(field, received_record[field]))
id is 123
room is 321
house is 0

>>> record == received_record
True

>>> received_record.update(room=123)
>>> substrate = encode(received_record)
>>> hexdump(substrate)
00000: 30 06 02 01 7B 80 01 7B
```

The pyasn1 classes struggle to emulate their Python prototypes (e.g. int, list, dict etc.). But ASN.1 types exhibit more complicated behaviour.

To make life easier for a Pythonista, they can turn their pyasn1 classes into Python built-ins:

```python
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
```

Or vice-versa -- you can initialize an ASN.1 structure from a tree of Python objects:

```python
>>> from pyasn1.codec.native.decoder import decode
>>> record = decode({'id': 123, 'room': 321, 'house': 0}, asn1Spec=Record())
>>> str(record)
Record:
id=123
room=321
```

With ASN.1 design, serialisation codecs are decoupled from data objects, so you could turn every single ASN.1 object into many different serialised forms. As of this moment, pyasn1 supports BER, DER, CER and Python built-ins codecs. The extremely compact PER encoding is expected
to be introduced in the upcoming pyasn1 release.

More information on pyasn1 APIs can be found in the
[documentation](http://snmplabs.com/pyasn1/),
compiled ASN.1 modules for different protocols and file formats
could be found in the pyasn1-modules
[repo](https://github.com/etingof/pyasn1-modules).

How to get pyasn1
-----------------

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BSD [license](http://snmplabs.com/pyasn1/license.html). Source code is freely
available as a GitHub [repo](https://github.com/etingof/pyasn1).

You could `pip install pyasn1` or download it from [PyPI](https://pypi.org/project/pyasn1).

If something does not work as expected,
[open an issue](https://github.com/etingof/pyasn1/issues) at GitHub or
post your question [on Stack Overflow](https://stackoverflow.com/questions/ask)
or try browsing pyasn1
[mailing list archives](https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/).

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Abstract Syntax Notation One (ASN.1) is a technology for exchanging structured data in a universally understood, hardware agnostic way. Many industrial, security and telephony applications heavily rely on ASN.1.

The pyasn1 library implements ASN.1 support in pure-Python.

What is ASN.1
--------------

ASN.1 is a large, arguably over-engineered and extremely old data modelling and serialisation tool. It is probably among the first serialisation protocols in the history of computer science and technology.

ASN.1 started its life over 30 years ago as a serialisation mechanism for the first electronic mail (known as X.400). Later on it was split off the e-mail application
and become a stand-alone tech still being actively supported by its designers and widely used in industry and technology.

Since then ASN.1 is sort of haunted by its relations with the OSI model -- the first, unsuccessful, version of the Internet. You can read many interesting discussions [here](https://news.ycombinator.com/item?id=8871453) on that topic.

In the following years, generations of software engineers tackled the serialisation problem many times. We can see that in Google's [ProtoBuffers](https://developers.google.com/protocol-buffers/) or [FlatBuffers](https://google.github.io/flatbuffers/), for example. Interestingly, many new takes on binary protocol design do not depart far from ASN.1 from technical perspective. It's more of a matter of striking a balance between processing overhead, wire format overhead and human readability.

Looking at what ASN.1 has to offer, it has three loosely coupled parts:

* Data types: the standard introduces a collection of basic data types (integers, bits, strings, arrays and records) that can be used for describing arbitrarily complex, nested data structures.

* Serialisation protocols: the above data structures could be converted into a series of octets for storage or transmission over the wire as well as recovered back into their structured form. The system is fully agnostic to hardware architectures differences.

* Schema language: ASN.1 data structures could be described in terms of a schema language for ASN.1 compiler to turn it into platform-specific implementation.

ASN.1 applications
-------------------

Being an old and generally successful standard, ASN.1 is widely adopted for many uses. To give you an example, these technologies use ASN.1 for their data exchange needs:

* Signaling standards for the public switched telephone network (SS7 family)
* Network management standards (SNMP, CMIP)
* Directory standards (X.500 family, LDAP)
* Public Key Infrastructure standards (X.509, etc.)
* PBX control (CSTA)
* IP-based Videoconferencing (H.323 family)
* Biometrics (BIP, CBEFF, ACBio)
* Intelligent transportation (SAE J2735)
* Cellular telephony (GSM, GPRS/EDGE, UMTS, LTE)
ASN.1 gotchas
-------------

Apparently, ASN.1 is hard to implement properly. Quality open-source ASN.1 tools are rare, but ad-hoc implementations are numerous. Judging from the ‘statistics <http://cve.mitre.org/cgi-bin/cvekey.cgi?keyword=ASN.1>`_ on discovered security vulnerabilities, many people have implemented ASN.1 parsers and oftentimes fell victim to its edge cases.

On the bright side, ASN.1 has been around for a long time, it is well understood and security reviewed.

Documentation
-------------

.. toctree::
   :maxdepth: 2

   /pyasn1/contents

Use case
--------

.. toctree::
   :maxdepth: 2

   /example-use-case

Download & Install
------------------

.. toctree::
   :maxdepth: 2

   /download

Changes
-------

All changes and release history is maintained in changelog. There you could also download the latest unreleased pyasn1 tarball containing the latest fixes and improvements.
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-------

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Getting help
------------


Books on ASN.1
--------------

The pyasn1 implementation is largely based on reading up the following awesome books:

* `ASN.1 - Communication between heterogeneous systems <http://www.oss.com/asn1/dubuisson.html>`_ by Olivier Dubuisson

Here you can get the official standards which is hard to read:


On the other end of the readability spectrum, here is a quick and sweet write up:


If you are working with ASN.1, we'd highly recommend reading a proper book on the subject.

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1.303 libtomcrypt 1.17
1.303.1 Available under license :

# /*
# * SHA-512
# * Implementation derived from LibTomCrypt (Tom St Denis)
# *
# * LibTomCrypt is a library that provides various cryptographic
# * algorithms in a highly modular and flexible manner.
# *
# * The library is free for all purposes without any express
# * guarantee it works.
# *
# * Tom St Denis, tomstdenis@gmail.com, http://libtomcrypt.org
# */
1.304 zlib 1.2.5

1.304.1 Available under license:

/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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1.305 curl 7.83.1

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1.306 psutil 5.8.0

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1.307 wcwidth 0.1.7-2.ph3

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1.308 popt 1.16
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/* OPENBSD ORIGINAL: sys/sys/poll.h */

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifndef _COMPAT_POLL_H_
#define _COMPAT_POLL_H_

typedef struct pollfd {
  int fd;
  short events;
  short revents;
} pollfd_t;

typedef unsigned int nfds_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0010
#define POLLHUP 0x0020
#define POLLNVAL 0x0020
#if 0
/* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND 0x0080
#define POLLWRBAND 0x0100
#endif

#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */

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* Optimised ANSI C code for the Rijndael cipher (now AES)
* *
* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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*/

#ifndef HAVE_SETRESGID
int setresgid(gid_t, gid_t, gid_t);
#endif
#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif
/*
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/*
 * BSD_WAITPID_H
 */

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED
#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */

#ifndef _BSD_WA
#define _BSD_WA

#define HAVE_WAIT
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */
#define WEXITSTATUS(w) ((WIFEXITED(w) ? ((_W_INT(w)) >> 8) & 0377) : -1)
#define WTERMSIG(w) ((WIFSIGNALED(w) ? (_W_INT(w)) & 0177) : -1)
#define WCOREDUMP(w) (_W_INT(w) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int, int *, int);

#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */
1.310 libdevmapper 1.02.149

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1.317 urllib3 1.25.8

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# Contributions to the urllib3 project

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## Contributors

In chronological order:

* victor.vde <http://code.google.com/u/victor.vde/>
  * HTTPS patch (which inspired HTTPSConnectionPool)

* erikcederstrand <http://code.google.com/u/erikcederstrand/>
  * NTLM-authenticated HTTPSConnectionPool
  * Basic-authenticated HTTPSConnectionPool (merged into make_headers)

* niphlod <niphlod@gmail.com>
  * Client-verified SSL certificates for HTTPSConnectionPool
  * Response gzip and deflate encoding support
  * Better unicode support for filepost using StringIO buffers
* btoconnor <brian@btoconnor.net>
  * Non-multipart encoding for POST requests

* p.dobrogost <http://code.google.com/u/@WBRSribZDHBFXYB6/>
  * Code review, PEP8 compliance, benchmark fix

* kennethreitz <me@kennethreitz.com>
  * Bugfixes, suggestions, Requests integration

* georgemarshall <https://github.com/georgemarshall>
  * Bugfixes, Improvements and Test coverage

* Thomas Kluyver <thomas@kluyver.me.uk>
  * Python 3 support

* brandon-rhodes <http://rhodesmill.org/brandon>
  * Design review, bugfixes, test coverage.

* studer <theo.studer@gmail.com>
  * IPv6 url support and test coverage

* Shivaram Lingamneni <slingamn@cs.stanford.edu>
  * Support for explicitly closing pooled connections

* hartator <hartator@gmail.com>
  * Corrected multipart behavior for params

* Thomas Weischuh <thomas@t-8ch.de>
  * Support for TLS SNI
  * API unification of ssl_version/cert_reqs
  * SSL fingerprint and alternative hostname verification
  * Bugfixes in testsuite

* Sune Kirkeby <nig@ibofobi.dk>
  * Optional SNI-support for Python 2 via PyOpenSSL.

* Marc Schlaich <marc.schlaich@gmail.com>
  * Various bugfixes and test improvements.

* Bryce Boe <bbzbryce@gmail.com>
  * Correct six.moves conflict
  * Fixed pickle support of some exceptions

* Boris Figovsky <boris.figovsky@ravellosystems.com>
  * Allowed to skip SSL hostname verification

* Cory Benfield <https://lukasa.co.uk/about/>
  * Stream method for Response objects.
* Return native strings in header values.
* Generate 'Host' header when using proxies.

* Jason Robinson <jaywink@basshero.org>
  * Add missing WrappedSocket.fileno method in PyOpenSSL

* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
  * Fixed a race condition

* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
  * Added HTTPS (CONNECT) proxy support

* Stephen Holsapple <sholsapp@gmail.com>
  * Added abstraction for granular control of request fields

* Martin von Gagern <Martin.vGagern@gmx.net>
  * Support for non-ASCII header parameters

* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
  * Support for separate connect and request timeouts

* Peter Waller <p@pwaller.net>
  * HTTPResponse.tell() for determining amount received over the wire

* Nipunn Koorapati <nipunn1313@gmail.com>
  * Ignore default ports when comparing hosts for equality

* Danilo @dbrgn <https://dbrgn.ch/>
  * Disabled TLS compression by default on Python 3.2+
  * Disabled TLS compression in pyopenssl contrib module
  * Configurable cipher suites in pyopenssl contrib module

* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
  * Account retries on proxy errors

* Nicolas Delaby <nicolas.delaby@ezeep.com>
  * Use the platform-specific CA certificate locations

* Josh Schneier <https://github.com/jschneier>
  * HTTPHeaderDict and associated tests and docs
  * Bugfixes, docs, test coverage

* Tahia Khan <http://tahia.tk/>
  * Added Timeout examples in docs

* Arthur Grunseid <https://grunseid.com>
  * source_address support and tests (with https://github.com/bui)
* Ian Cordasco <graffatcolmingov@gmail.com>
  * PEP8 Compliance and Linting
  * Add ability to pass socket options to an HTTP Connection

* Erik Tollerud <erik.tollerud@gmail.com>
  * Support for standard library io module.

* Krishna Prasad <kprasad.iitd@gmail.com>
  * Google App Engine documentation

* Aaron Meurer <asmeurer@gmail.com>
  * Added Url.url, which unparses a Url

* Evgeny Kapun <abacabadabacaba@gmail.com>
  * Bugfixes

* Benjamen Meyer <bm_witness@yahoo.com>
  * Security Warning Documentation update for proper capture

* Shivan Sornarajah <github@sornars.com>
  * Support for using ConnectionPool and PoolManager as context managers.

* Alex Gaynor <alex.gaynor@gmail.com>
  * Updates to the default SSL configuration

* Tomas Tomecek <ttomecek@redhat.com>
  * Implemented generator for getting chunks from chunked responses.

* tlynn <https://github.com/tlynn>
  * Respect the warning preferences at import.

* David D. Riddle <ddriddle@illinois.edu>
  * IPv6 bugfixes in testsuite

* Thea Flowers <magicalgirl@google.com>
  * App Engine environment tests.
  * Documentation re-write.

* John Krauss <https://github.com/talos>
  * Clues to debugging problems with `cryptography` dependency in docs

* Disassem <https://github.com/Disassem>
  * Fix pool-default headers not applying for url-encoded requests like GET.

* James Atherfold <jlatherfold@hotmail.com>
  * Bugfixes relating to cleanup of connections during errors.

* Christian Pedersen <https://github.com/chripede>
* IPv6 HTTPS proxy bugfix

* Jordan Moldow <https://github.com/jmoldow>
  * Fix low-level exceptions leaking from `HTTPResponse.stream()`.
  * Bugfix for `ConnectionPool.urlopen(release_conn=False)`.
  * Creation of `HTTPConnectionPool.ResponseCls`.

* Predrag Gruevski <https://github.com/obi1kenobi>
  * Made cert digest comparison use a constant-time algorithm.

* Adam Talsma <https://github.com/a-tal>
  * Bugfix to `ca_cert` file paths.

* Evan Meagher <https://evanmeagher.net>
  * Bugfix related to `memoryview` usage in PyOpenSSL adapter

* John Vandenberg <jayvdb@gmail.com>
  * Python 2.6 fixes; pyflakes and pep8 compliance

* Andy Caldwell <andy.m.caldwell@googlemail.com>
  * Bugfix related to reusing connections in indeterminate states.

* Ville Skytt <ville.skytta@iki.fi>
  * Logging efficiency improvements, spelling fixes, Travis config.

* Shige Takeda <smtakeda@gmail.com>
  * Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response

* Jess Shapiro <jesse@jesseshapiro.net>
  * Various character-encoding fixes/tweaks
  * Disabling IPv6 DNS when IPv6 connections not supported

* David Foster <http://dafoster.net/>
  * Ensure order of request and response headers are preserved.

* Jeremy Cline <jeremy@jcline.org>
  * Added connection pool keys by scheme

* Aviv Palivoda <palaviv@gmail.com>
  * History list to Retry object.
  * `HTTPResponse` contains the last Retry object.

* Nate Prewitt <nate.prewitt@gmail.com>
  * Ensure timeouts are not booleans and greater than zero.
  * Fixed infinite loop in `stream` when `amt=None`.
  * Added `length_remaining` to determine remaining data to be read.
  * Added `enforce_content_length` to raise exception when incorrect content-length received.
* Seth Michael Larson <sethmichaellarson@protonmail.com>
  * Created selectors backport that supports PEP 475.

* Alexandre Dias <alex.dias@smarkets.com>
  * Don't retry on timeout if method not in whitelist

* Moinuddin Quadri <moin18@gmail.com>
  * Lazily load idna package

* Tom White <s6yg1ez3@mail2tor.com>
  * Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

* Tim Burke <tim.burke@gmail.com>
  * Stop buffering entire deflate-encoded responses.

* Tuukka Mustonen <tuukka.mustonen@gmail.com>
  * Add counter for status_forcelist retries.

* Erik Rose <erik@mozilla.com>
  * Bugfix to pyopenssl vending

* Wolfgang Richter <wolfgang.richter@gmail.com>
  * Bugfix related to loading full certificate chains with PyOpenSSL backend.

* Mike Miller <github@mikeage.net>
  * Logging improvements to include the HTTP(S) port when opening a new connection

* Ioannis Tziakos <mail@itziakos.gr>
  * Fix ``util.selectors._fileobj_to_fd`` to accept ``long``.
  * Update appveyor tox setup to use the 64bit python.

* Akamai (through Jess Shapiro) <jshapiro@akamai.com>
  * Ongoing maintenance; 2017-2018

* Dominique Leuenberger <dimstar@opensuse.org>
  * Minor fixes in the test suite

* Will Bond <will@wbond.net>
  * Add Python 2.6 support to ``contrib.securetransport``

* Aleksei Alekseev <alekseev.yeskela@gmail.com>
  * using auth info for socks proxy

* Chris Wilcox <git@crwilcox.com>
  * Improve contribution guide
  * Add ``HTTPResponse.geturl`` method to provide ``urllib2.urlopen().geturl()`` behavior

* Bruce Merry <https://www.brucemerry.org.za>
* Fix leaking exceptions when system calls are interrupted with zero timeout

* Hugo van Kemenade <https://github.com/hugovk>
* Drop support for EOL Python 2.6

* Tim Bell <https://github.com/timb07>
* Bugfix for responses with Content-Type: message/* logging warnings

* Justin Bramley <https://github.com/jbramleycl>
* Add ability to handle multiple Content-Encodings

* Katsuhiko YOSHIDA <https://github.com/kyoshidajp>
* Remove Authorization header regardless of case when redirecting to cross-site

* James Meickle <https://permadeath.com/>
* Improve handling of Retry-After header

* Chris Jerdonek <chris.jerdonek@gmail.com>
* Remove a spurious TypeError from the exception chain inside HTTPConnectionPool._make_request(), also for BaseExceptions.

* [Your name or handle] <[email or website]>  
* [Brief summary of your changes]

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

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