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@end enumerate

@iftex
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@end iftex
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That's all there is to it!
(This file is under construction.).*- text .*-.

If you've contributed to gas and your name isn't listed here, it is 
not meant as a slight. I just don't know about it. Email me, 
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 (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.

1.13 Boost 1.41

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1.17 cheetah 1

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1.20 common::sense 3.4

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1.22 commons-beanutils (DUPLICATE) 1.6.1

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 * $Date: 2003/01/15 21:59:38 $
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1.25 dcc 1.2.58
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1.26 elfutils 0.164 :2.el6
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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 from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cfff2bb5b6.

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.
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July 22, 1999

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William Hoskins
Director, Office of Technology Licensing
University of California, Berkeley
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typedef uint8_t	byte;
typedef uint16_t	word;
typedef uint32_t	dword;
typedef uint64_t	qword;

typedef struct SMBiosTableEntry {
    byte anchorString[4];
    byte checksum;
    byte length;
    byte majorVersion;
    byte minorVersion;
    word maxmimumStructureSize;
    byte entryPointRevision;
    byte formattedArea[5];
    byte DMIAnchorString[5];
    byte intermediateChecksum;
    dword structureTableLength;
    dword structureTableAddress;
    dword numberStructures;
    byte BCDRevision;
} SMBiosTableEntry;
typedef struct StructureHeader {
  byte type;
  byte length;
  word handle;
} StructureHeader;

typedef struct BiosInformation {
  byte type;
  byte length;
  word handle;
  byte vendor;
  byte biosVersion;
  word biosStartingAddressSegment;
  byte biosReleaseDate;
  byte biosROMSize;
  qword biosCharacteristics;
  byte biosCharacteristicsExtension;
} BiosInformation;

typedef struct SystemInformation {
  byte type;
  byte length;
  word handle;
  byte manufacturer;
  byte productName;
  byte version;
  byte serialNumber;
  byte uuid[16];
  byte wakeupType;
} SystemInformation;

typedef struct SystemEnclosure {
  byte type;
  byte length;
  word handle;
  byte manufacturer;
  byte enclosureType;
  byte version;
  byte serialNumber;
  byte assetTag;
  byte bootupState;
  byte powerSupplyState;
  byte thermalState;
  byte securityStatus;
  dword oem;
} SystemEnclosure;
typedef struct ProcessorInformation {
    byte type;
    byte length;
    word handle;
    byte socketDesignation;
    byte processorType;
    byte processorFamily;
    byte processorManufacturer;
    qword processorID;
    byte processorVersion;
    byte voltage;
    word externalClock;
    word maxSpeed;
    word currentSpeed;
    byte status;
    byte processorUpgrade;
    word l1CacheHandle;
    word l2CacheHandle;
    word l3CacheHandle;
    byte serialNumber;
    byte assetTag;
} ProcessorInformation;

typedef struct CacheInformation {
    byte type;
    byte length;
    word handle;
    byte socketDesignation;
    word cacheConfiguration;
    word maxCacheSize;
    word installedSize;
    word supportedSRAMSize;
    word currentSRAMSize;
    byte cacheSpeed;
    byte errorCorrectionType;
    byte systemCacheType;
    byte associativity;
} __attribute__((packed)) CacheInformation;

typedef struct PortConnectorInformation {
    byte type;
    byte length;
    word handle;
    byte internalReference;
    byte internalType;
    byte externalReference;
    byte externalType;
    byte portType;
}
typedef struct SystemSlots {
    byte type;
    byte length;
    word handle;
    byte slotDesignation;
    byte slotType;
    byte slotDataBusWidth;
    byte currentUsage;
    byte slotLength;
    word slotID;
    byte slotCharacteristics1;
    byte slotCharacteristics2;
} SystemSlots;

typedef struct OEMStrings {
    byte type;
    byte length;
    word handle;
    byte count;
} OEMStrings;

typedef struct SystemConfigurationOptions {
    byte type;
    byte length;
    word handle;
    byte count;
} SystemConfigurationOptions;

typedef struct BIOSLanguageInformation {
    byte type;
    byte length;
    word handle;
    byte installableLanguages;
    byte flags;
    byte reserved[15];
    byte currentLanguage;
} BIOSLanguageInformation;

typedef struct PhysicalMemoryArray {
    byte type;
    byte length;
    word handle;
    byte location;
    byte use;
    byte memoryErrorCorrections;
    dword maximumCapacity;
}
typedef struct MemoryDevice {
    byte type;
    byte length;
    word handle;
    word memoryArrayHandle;
    word memoryErrorHandle;
    word totalWidth;
    word dataWidth;
    word size;
    byte formFactor;
    byte deviceSet;
    byte deviceLocator;
    byte bankLocator;
    byte memoryType;
    word typeDetail;
    word speed;
    byte manufacturer;
    byte serialNumber;
    byte assetTag;
    byte partNumber;
} __attribute__((packed)) MemoryDevice;

typedef struct IPMIDevice {
    byte type;
    byte length;
    word handle;
    byte interfaceType;
    byte specRevision;
    byte i2cSlaveAddress;
    byte NVStorageDeviceAddress;
    qword baseAddress;
    byte baseAddressModifier;
    byte interruptNumber;
} IPMIDevice;

typedef struct GetIPMIinfo {
    int kcs_mode;
    int smic_mode;
    qword address;
    int offset;
    int io_mode;
} GetIPMIinfo;

typedef struct IndexedIO {
typedef struct Token {
    word id;
    byte location;
    byte maskAnd;
    byte maskOr;
} __attribute__((packed)) Token;

#define TOKEN_NOOP 0x0000
#define TOKEN_REMOTE_BIOS_ENABLE 0x005c
#define TOKEN_REMOTE_BIOS_DISABLE 0x005d

typedef struct RemoteBIOSUpdate {
    byte type;
    byte length;
    word handle;
    word size;
    word completionCode;
    byte year;
    byte month;
    byte day;
    byte hour;
    byte minute;
} RemoteBIOSUpdate;

typedef struct RemoteBIOSStatus {
    char minVersion[4];
    char version[4];
    char vendor[1024];
    char manufacturer[1024];
    word systemid;
    byte enable;
    byte disable;
    word size;
    word completionCode;
    byte year;
    byte month;
    byte day;
    byte hour;
    byte minute;
}
extern void Unknownproc(byte *p, char **table);
extern void t0proc(byte *p, char **table);
extern void t0procStatus(byte *p, char **table, RemoteBIOSStatus *status);
extern void t1proc(byte *p, char **table);
extern void t1procStatus(byte *p, char **table, RemoteBIOSStatus *status);
extern void t3proc(byte *p, char **table);
extern void t4proc(byte *p, char **table);
extern void t0procStatus(byte *p, char **table, RemoteBIOSStatus *status);
extern void t1procStatus(byte *p, char **table, RemoteBIOSStatus *status);
extern void t3proc(byte *p, char **table);
extern void t4proc(byte *p, char **table);
extern void t7proc(byte *p, char **table);
extern void t8proc(byte *p, char **table);
extern void t9proc(byte *p, char **table);
extern void t10proc(byte *p, char **table);
extern void t11proc(byte *p, char **table);
extern void t11procStatus(byte *p, char **table, RemoteBIOSStatus *status);
extern void t12proc(byte *p, char **table);
extern void t13proc(byte *p, char **table);
extern void t16proc(byte *p, char **table);
extern void t17proc(byte *p, char **table);
extern void t18proc(byte *p, char **table);
extern void t19proc(byte *p, char **table);
extern void t20proc(byte *p, char **table);
extern void t38proc(byte *p, char **table);
extern void t38procInfo(byte *p, char **table, GetIPMIinfo *info);
extern void t126proc(byte *p, char **table);
extern void t127proc(byte *p, char **table);
extern void t212proc(byte *p, char **table); /* D4 */
extern void t212procStatus(byte *p, char **table, RemoteBIOSStatus *status);
extern void t212procEnableBiosUpdate(byte *p, char **table, RemoteBIOSStatus *status);
extern void t222proc(byte *p, char **table); /* DE */
extern void t222procStatus(byte *p, char **table, RemoteBIOSStatus *status);

extern char *MapConnectorType(byte type);
extern char *MapPortType(byte type);
extern void VerboseDump(byte *p, char **table);
extern char *get_strings(char *p, char **table);
extern char *copy_string_trimmed(const char *s);
extern void init_table(void);
extern void dump_table(byte *p, int numentries);
extern void init_table_status(void);
extern void dump_table_status(byte *p, int numentries, RemoteBIOSStatus *status);
extern void init_table_update_bios(void);
extern void init_table_get_ipmi(void);
extern void set_verbose(int value);
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-- Keir Fraser (on behalf of the Xen team)

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* 
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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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#ifndef HAVE_SETRESGID
int setresgid(gid_t, gid_t, gid_t);
#endif

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/* OPENBSD ORIGINAL: sys/sys/poll.h */

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#define_COMPAT_POLL_H_
#endif

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

typedef unsigned int nfds_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#define POLLHUP 0x0010
#define POLLNVAL 0x0020
#if 0
/* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDYNORM
#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 */
/* $Id: bsd-waitpid.h,v 1.5 2003/08/29 16:59:52 mouring Exp $ */

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 *
 */

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID

#endif

ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

ifndef HAVE_WAITPID

#endif

#endif

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256
/* 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 WIFEXITED(w)!(_W_INT(w) & 0377))
#define WIFSTOPPED(w)((_W_INT(w)) & 0100)
#define WIFSIGNALED(w)!WIFEXITED(w) & !WIFSTOPPED(w))
#define WEXITSTATUS(w)((_W_INT(w) >> 8) & 0377)
#define WTERMSIG(w)((WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w)((_W_INT(w)) & WCOREFLAG)

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

#endif /* HAVE_WAITPID */
#endif /* BSD_WAITPID_H */

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1.29 fuzzywuzzy 0.10.0

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1.30 HttpClient 3.0.1

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1.32 jansson 2.5

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

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Open Source Used In AsyncOS 11.5 for Cisco Email Security Appliances

1.34 json-c 0.9
1.34.1 Available under license:

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1.35 jzlib 1.0.7
1.35.1 Available under license:

/* -*- mode:java; c-basic-offset:2; -*- */
/* */
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/*
/* This program is based on zlib-1.1.3, so all credit should go authors
 */
/*
* Jean-loup Gailly(jloup@gzip.org) and Mark Adler(madler@alumni.caltech.edu)
* and contributors of zlib.
*/

package com.jcraft.jzlib;

final class Adler32{

// largest prime smaller than 65536
static final private int BASE=65521;
// NMAX is the largest n such that 255n(n+1)/2 + (n+1)(BASE-1) <= 2^32-1
static final private int NMAX=5552;

long adler32(long adler, byte[] buf, int index, int len){
    if(buf == null){ return 1L; }
    long s1=adler&0xffff;
    long s2=(adler>>16)&0xffff;
    int k;
    while(len > 0){
        k=len<NMAX?len:NMAX;
        len-=k;
        while(k>=16){
            s1+=buf[index++]&0xff; s2+=s1;
            s1+=buf[index++]&0xff; s2+=s1;
            s1+=buf[index++]&0xff; s2+=s1;
            s1+=buf[index++]&0xff; s2+=s1;
            s1+=buf[index++]&0xff; s2+=s1;
        }
    }
    return s1;
}

long adler32(long adler, byte[] buf, int index, int len){
    if(buf == null){ return 1L; }
    long s1=adler&0xffff;
    long s2=(adler>>16)&0xffff;
    int k;
    while(len > 0){
        k=len<NMAX?len:NMAX;
        len-=k;
        while(k>=16){
            s1+=buf[index++]&0xff; s2+=s1;
            s1+=buf[index++]&0xff; s2+=s1;
            s1+=buf[index++]&0xff; s2+=s1;
            s1+=buf[index++]&0xff; s2+=s1;
            s1+=buf[index++]&0xff; s2+=s1;
        }
    }
    return s1;
}
Open Source Used In AsyncOS 11.5 for Cisco Email Security Appliances

s1+=buf[index++]&0xff; s2+=s1;
s1+=buf[index++]&0xff; s2+=s1;
s1+=buf[index++]&0xff; s2+=s1;
s1+=buf[index++]&0xff; s2+=s1;
s1+=buf[index++]&0xff; s2+=s1;
s1+=buf[index++]&0xff; s2+=s1;
s1+=buf[index++]&0xff; s2+=s1;
s1+=buf[index++]&0xff; s2+=s1;
s1+=buf[index++]&0xff; s2+=s1;
s1+=buf[index++]&0xff; s2+=s1;
s1+=buf[index++]&0xff; s2+=s1;
s1+=buf[index++]&0xff; s2+=s1;
s1+=buf[index++]&0xff; s2+=s1;

if(k!=0){
doi{
  s1+=buf[index++]&0xff; s2+=s1;
}
while(--k!=0);
}
s1%=BASE;
s2%=BASE;
return (s2<<16)|s1;
}

/*
private java.util.zip.Adler32 adler=new java.util.zip.Adler32();
long adler32(long value, byte[] buf, int index, int len){
  if(value==1) {adler.reset();}
  if(buf==null) {adler.reset();}
  else{adler.update(buf, index, len);}
  return adler.getValue();
}
*/

1.36 langdetect 1.0.5

1.36.1 Available under license:

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1.37 libarchive 3.1.2

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1.38 libev 4.03

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1.46 OpenSSL patch to 0.9.8 branch to add RFC5649 (key wrap with pad) 1.0

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1.48 PAR::Packer 1.008

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<signature of Ty Coon>, 1 April 1989
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1.49 Perl 5.8.9

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1.50 PostgreSQL 7.4.2

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principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
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.. _history-and-license:

*******************
History and License
*******************

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,
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Mersenne Twister

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The :mod:`random` module includes code based on a download from
http://www.math.keio.ac.jp/~matumoto/MT2002/emt19937ar.html. The following are
the verbatim comments from the original code::

    A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed) or init_by_array(init_key, key_length).

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Any feedback is very welcome.  
http://www.math.keio.ac.jp/matumoto/emt.html  
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Sockets
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The :mod:`socket` module uses the functions, :func:`getaddrinfo`, and :func:`getnameinfo`, which are coded in separate source files from the WIDE Project, http://www.wide.ad.jp/. ::
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MD5 message digest algorithm

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L. Peter Deutsch
ghost@aladdin.com
Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

http://www.ietf.org/rfc/rfc1321.txt

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.
1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.
1999-05-03 lpd Original version.

Asynchronous socket services

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

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

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

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

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

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

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 compile or
link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work 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) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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

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

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

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

   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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END OF TERMS AND CONDITIONS

Appendix: 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.
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Ty Coon, President of Vice

That's all there is to it!

1.57 requests 2.9.1
1.57.1 Available under license:
Requests includes some vendorized python libraries to ease installation.

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

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

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

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

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

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

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

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

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

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the 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.

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

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

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

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1.63 SOAPpy 0.12.0

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1.68 TinySSL 1.03

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