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1.13 libevent 2.0.5-beta

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/*$OpenBSD: poll.h,v 1.11 2003/12/10 23:10:08 millert Exp */

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

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifdef_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 0x0008
#define POLLHUP 0x0010
#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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*
*/

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

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

#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) (int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(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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*/

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

#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif

1.20 integration-gradle-inspector 0.7.0

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1.22 sysv-init 2.78-4

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This is the Debian GNU/Linux prepackaged version of System V Init. Init was written by Miquel van Smoorenburg <miquels@drinkel.cistron.nl>.

This package was put together by Bruce Perens <Bruce@Pixar.com> from pre-distribution sources. Ian Murdock <imurdock@debian.org> integrated it into the base system maintained it until the end of 1995. Miquel van Smoorenburg <miquels@cistron.nl> has integrated debian support into the base package.

Changes:
29-January-1995 Bruce Perens <Bruce@Pixar.com>
   Added Debian GNU/Linux package maintenance system files.
25-February-1995 Ian Murdock <imurdock@debian.org>
   Finished integration of Sys V Init into the base system.
28-December-1995 Miquel van Smoorenburg <miquels@cistron.nl>
   Added debian support to sysvinit.
   For further changes see the ChangeLog file.

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Julian Seward, Cambridge, UK.
jseward@bzip.org
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1.25 libffi 3.2.1

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1.26 libsrtp 1.4.4

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 *
 */

1.27 ftpd-bsd 0.3.2

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# $OpenBSD: Makefile,v 1.5 1999/02/23 23:54:16 art Exp $

PROG=ls
SRCS=cmp.c stat_flags.c ls.c main.c print.c util.c

.include <bsd.prog.mk>
# $OpenBSD: Makefile,v 1.16 2000/03/01 17:27:28 deraadt Exp $
# $NetBSD: Makefile,v 1.13 1996/02/16 02:07:41 cgd Exp $
#@(#)Makefile 8.2 (Berkeley) 4/4/94

PROG=ftpd
CFLAGS+=-DHASSETPROCTITLE -Dunix
SRCS=ftpd.c ftpcmd.c logutmp.c logwtmp.c popen.c
MAN=ftpd.8
CLEANFILES+=ftpcmd.c y.tab.h

.include <bsd.own.mk>
# our internal version of ls.

LSDIR=${.CURDIR}/../../bin/ls
.PATH:${LSDIR}
SRCS+= ls.c cmp.c print.c stat_flags.c util.c
CFLAGS+=-I${LSDIR}

# not really used
CPPFLAGS+=-DINET6

.if (${SKEY} == "yes")
CFLAGS+=-DSKEY
LDADD+=-lskey
DPADD+= ${LIBSKEY}
.endif

.if (${KERBEROS} == "yes")
SRCS+= klogin.c
.PATH:${.CURDIR}/../usr.bin/login
CFLAGS+=-DKERBEROS
LDADD+= -lkafs -lkrb -ldes
DPADD+= ${LIBKRB} ${LIBKRB} ${LIBKAFS}
.endif

.if (${TCP_WRAPPERS} == "yes")
CFLAGS+=-DTCPWRAPPERS
LDADD+=-lwrap
DPADD+=${LIBWRAP}
.endif

.include <bsd.prog.mk>
#%PAM-1.0
auth       required/lib/security/pam_listfile.so item=user sense=deny file=/etc/ftpusers onerr=succeed
auth        required/lib/security/pam_pwdb.so shadow nok
auth        required/lib/security/pam_shells.so
account     required/lib/security/pam_pwdb.so
session     required/lib/security/pam_pwdb.so

A WARNING ABOUT GMT VS LOCALTIME

to people using ftpd-BSD-0.3.0 to serve anonymous FTP
who consider moving to ftpd-BSD-0.3.1

David A. Madore <david.madore@ens.fr>  

(This warning should be included in the ftpd-BSD-0.3.1 distribution, but I discovered this after packaging, and I did not want to repackage, resign the tarball, rebuild the RPMs and resign them. So it will stay as a separate file.)

The FTP protocol is a bit old and does not specify in what format the file listings returned by the LIST and STAT commands are to be given. Traditionally, the Unix `ls` program is run, so it has become the *de facto* standard for the commands' output format; many programs expect this and parse accordingly.

One thing is certainly not specified, and that is whether the time of last modification returned for the files listed is given in local time (the time in the server's time zone) or universal time (UT, aka Greenwich Mean Time or GMT).

Under Linux, the time format returned by the ctime() function in the (GNU) libc is determined by the contents of the /etc/localtime file which can be overridden by the TZ environment variable if it exists; if nothing is specified (e.g. if the /etc/localtime file does not exist), universal time is used (as is the case if TZ=GMT).

Version 0.3.0 of ftpd-BSD used an external ls program. In the case of anonymous ftp, this ls runs in a chroot()ed environment, and it frequently does not have an /etc/localtime file on which to rely, so it returns the time in GMT. Version 0.3.1, on the other hand, uses an internal ls function, so its time zone is initialized when the ftpd program is run, before the chroot() call is made, and the time zone used is typically the computer's local time. This means that simply moving from ftpd-BSD-0.3.0 to ftpd-BSD-0.3.1 without further precaution will offset all the last modification times returned by the LIST and STAT commands. If you live east of Greenwich, this could result in mirror sites needlessly downloading all files, thinking they have changed; if you live west of Greenwich, this could result in mirror sites not downloading files which they should have.

This may very well turn out to be a non-issue. I am not sure exactly
how mirroring programs work. If you do not have any mirror sites, or if you use only non-anonymous FTP, the issue is moot.

One workaround is to start ftppd with TZ=GMT set. This generally means starting inetd with TZ=GMT. Beware, though, that environments tend to be inherited quite far, and even telnetd will have TZ=GMT and if you telnet into your machine you might have universal time instead of local time as you expect (but you can always unset TZ or position it as you like, e.g. TZ=US/Eastern). Another solution is not to use the internal ls command (in which case you might as well stick to version 0.3.0). Finally, you can decide to stick to local time, but I do not recommend this as the clients have no way of knowing the server's time zone (personally I think local time is good only when talking to humans, and everything else should always use universal time: this is the strategy taken by the HTTP protocol for example).

I would appreciate it if FTP experts could tell me more about this problem. I have read about Bernstein's easily parsed LIST format (see http://cr.yp.to/ftp/list/eplf.html for a description), and I wonder whether it is worth implementing (in particular, whether some clients understand it): I might try contacting the OpenBSD people about this.

--

David A. Madore
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http://www.eleves.ens.fr:8080/home/madore/ )

1.28 netkit-telnet 0.17

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1.29 antlr-runtime 4.2

1.30 binutils 2.23.52
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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.

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Mathieu Desnoyers
May 13th, 2009

IBM Corporation allowed LGPLv2.1+ licensing of their contribution to the userspace RCU library in a patch submitted on May 8, 2009 from Paul E. McKenney and reviewed by Steven L. Bennett:


I (Mathieu Desnoyers) re-implemented ACCESS_ONCE(), likely(), unlikely() and barrier() from scratch without reference to the original code.

commits: 2dc5fa0f7cfbb0a64a7a67b39626650e863f16a

Bert Wesarg <bert.wesarg@googlemail.com> approved LGPL relicensing of his patch in an email dated May 13, 2009:

http://lkml.org/lkml/2009/5/13/16

xchg() primitives has been rewritten from a MIT-licensed cmpxchg for Intel and powerpc. They are MIT-licensed and therefore usable in LGPL code. This cmpxchg code was obtained from the atomic_ops project:

http://www.hpl.hp.com/research/linux/atomic_ops/

I (Mathieu Desnoyers) wrote the remainder of the code.

The license for the library files in this project was therefore changed to LGPLv2.1 on May 13, 2009, as detailed in LICENSE.

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle
The following artifacts are CDDL + GPLv2 with classpath exception.  
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api  
* javax.annotation:javax.annotation-api  
* javax.transaction:javax.transaction-api  
* javax.websocket:javax.websocket-api

------

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.  
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

------

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

------

MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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nodemanager/src/main/native/container-executor/impl/compat/{fstatat|openat|unlinkat}.h:

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ember-lodash v0.0.10
ember-load-initializers v0.1.7
ember-qunit v0.4.16
ember-qunit-notifications v0.1.0
ember-resolver v2.0.3
ember-spin-spinner v0.2.3
ember-truth-helpers v1.2.0
jquery v2.1.4
jquery-ui v1.11.4
loader.js v3.3.0
momentjs v2.10.6
qunit v1.19.0
select2 v4.0.0
snippet-ss v1.11.0
spin.js v2.3.2
testem v0.9.11
Mockito 1.8.5
JUL to SLF4J bridge 1.7.25
SLF4J API Module 1.7.25
SLF4J LOG4J-12 Binding 1.7.25
JCodings 1.0.8
Joni 2.1.2

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- hadoop-yarn-project/hadoop-yarn/hadoop-yarn-common/src/main/resources/webapps/static/jquery
- Apache HBase - Server which contains JQuery minified javascript library version 1.8.3
- Microsoft JDBC Driver for SQLServer - version 6.2.1.jre7

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From gsf@research.att.com Wed Mar 1 20:30:54 2006
Return-Path: <gsf@research.att.com>
X-Original-To: mps@bridge.intra
Delivered-To: mps@bridge.intra
Received: from localhost (localhost [127.0.0.1])
by localhost (Postfix) with ESMTP id B8C814E4F
for <mps@bridge.intra>; Wed, 1 Mar 2006 20:30:53 +0100 (CET)
Received: from mail.bridge.intra ([127.0.0.1])
by localhost (lnx.bridge.intra [127.0.0.1]) (amavisd-new, port 10024)
with LMTP id 05987-03 for <mps@bridge.intra>;
Wed, 1 Mar 2006 20:30:42 +0100 (CET)
Received: from pop.gmx.net (localhost [127.0.0.1])
by localhost (lnx.bridge.intra [127.0.0.1]) (amavisd-new, port 10024)
with LMTP id 05987-03 for <mps@bridge.intra>;
Wed, 1 Mar 2006 20:30:38 +0100 (CET)
X-Flags: 0000
Delivered-To: GMX delivery to ps.m@gmx.net
Received: (qmail invoked by alias); 01 Mar 2006 19:23:46 -0000
Received: from mail-red.research.att.com (EHLO mail-white.research.att.com) [192.20.225.110]
by mx0.gmx.net (mx085) with SMTP; 01 Mar 2006 20:23:46 +0100
Received: from raptor.research.att.com (raptor.research.att.com [135.207.23.32])
by mail-blue.research.att.com (Postfix) with ESMTP id B7929147CBB
for <ps.m@gmx.net>; Wed, 1 Mar 2006 14:23:45 -0500 (EST)
Received: (from gsf@localhost)
by raptor.research.att.com (SGI-8.9.3p2/8.8.7) id OAA86112
for ps.m@gmx.net; Wed, 1 Mar 2006 14:23:45 -0500 (EST)
Date: Wed, 1 Mar 2006 14:23:45 -0500 (EST)
From: Glenn Fowler <gsf@research.att.com>
Message-Id: <200603011923.OAA86112@raptor.research.att.com>
Organization: AT&T Research
X-Mailer: mailx (AT&T/BSD) 9.9 2005-04-21
Mime-Version: 1.0
Content-Type: text/plain; charset=utf-8
Content-Transfer-Encoding: 7bit
References: <Pine.LNX.4.44.0603012011250.6386-100000@lnx.bridge.intra>
To: mps@bridge.intra
Subject: Re: testregex licensing question
X-GMX-Antivirus: -1 (not scanned, may not use virus scanner)
X-GMX-Antispam: 0 (Mail was not recognized as spam)
X-GMX-UID: IJF3ZO9DeSEkJ2TcbHQhaXN1IGRvb0Ca
X-Virus-Scanned: by amavisd-new at localhost
Status: RO
X-Status:
X-Keywords:
X-UID: 44736
you may include it directly
retain the testregex.c header comment
it uses a very free license to maximize distribution
you can copy that .c comment to any test data files you use
using # comment style to be complete

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

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

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

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

> Thanks, Peter

> --
> Peter S. Mazinger <ps dot m at gmx dot net>     ID: 0xA5F059F2
> Key fingerprint = 92A4 31E1 56BC 3D5A 2D08  BB6E C389 975E A5F0 59F2

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 */

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Version 2.1, February 1999

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1.41 libsgutils 1.35
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This package was debianized by Eric Schwartz <emschwar@debian.org> on Wed, 14 Nov 2001 17:05:56 -0700.

It was downloaded from <URL:http://sg.danny.cz/sg/>

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1.45 libmnl 1.0.3

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30 atime=1337191922.583566431
30 ctime=1338052482.808834269

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1.46 zlib 1.2.3

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

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#! /bin/sh

# Attempt to guess a canonical system name.
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timestamp='2012-08-14'

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# configuration script generated by Autoconf, you may include it under
# the same distribution terms that you use for the rest of that program.

# Originally written by Per Bothner.  Please send patches (context
# diff format) to <config-patches@gnu.org> and include a ChangeLog
# entry.
#
# This script attempts to guess a canonical system name similar to
# config.sub. If it succeeds, it prints the system name on stdout, and
# exits with 0. Otherwise, it exits with 1.
#
# You can get the latest version of this script from:
# http://git.savannah.gnu.org/gitweb/?p=config.git;a=blob_plain;f=config.guess;hb=HEAD

me=`echo "$0" | sed -e 's,.*/,,'`

usage="
Usage: $0 [OPTION]

Output the configuration name of the system '$me' is run on.

Operation modes:
-h, --help       print this help, then exit
-t, --time-stamp print date of last modification, then exit
-v, --version    print version number, then exit

Report bugs and patches to <config-patches@gnu.org>.
"

version="
GNU config.guess ($timestamp)

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help="
Try '\$me --help' for more information."

# Parse command line
while test $# -gt 0 ; do
  case $1 in
    --time-stamp | --time* | -t )
      echo "$timestamp" ; exit ;;
    --version | -v )
      echo "$version" ; exit ;;
    --help | --h* | -h )
      echo "$usage" ; exit ;;
  -- )  # Stop option processing
shift; break ;;
- ) # Use stdin as input.
   break ;;
-*
   echo "$me: invalid option $1(help" >&2
    exit 1 ;
    *
   break ;;
esac
done

if test $# != 0; then
    echo "$me: too many arguments$help" >&2
    exit 1
fi

trap 'exit 1' 1 2 15

# CC_FOR_BUILD -- compiler used by this script. Note that the use of a
# compiler to aid in system detection is discouraged as it requires
# temporary files to be created and, as you can see below, it is a
# headache to deal with in a portable fashion.

# Historically, `CC_FOR_BUILD' used to be named `HOST_CC'. We still
# use `HOST_CC' if defined, but it is deprecated.

# Portable tmp directory creation inspired by the Autoconf team.

set_cc_for_build='
traps=/exitcode=$?; (rm -f $tmpfiles 2>/dev/null; rmdir $tmp 2>/dev/null) && exit $exitcode 0; traps="rm -f $tmpfiles 2>/dev/null; rmdir $tmp 2>/dev/null; exit 1" 1 2 13 15;
: ${TMPDIR=/tmp} ;
{ tmp=$(umask 077 && mktemp -d "$TMPDIR/cgXXXXXX") 2>/dev/null && test -n "$tmp" && test -d "$tmp" ;
 } ||
{ test -n "$RANDOM" && tmp=$(TMPDIR/cg$RANDOM && (umask 077 && mkdir $tmp) ; ) ||
 { tmp=$(TMPDIR/cg-$RANDOM && (umask 077 && mkdir $tmp) && echo "Warning: creating insecure temp directory" >&2 ; } ||
{ echo "$me: cannot create a temporary directory in $TMPDIR" >&2 ; exit 1 ; } ;
dummy=$(tmp/dummy ;
tmpfiles="$dummy.c $dummy.o $dummy.rel $dummy" ;
case $CC_FOR_BUILD,$HOST_CC,$CC in
   ,,)
   echo "int x;" > $dummy.c ;
   for c in cc gcc c89 c99 ; do
      if ($c -o $dummy.o $dummy.c) >/dev/null 2>&1 ; then
         CC_FOR_BUILD="$c"; break ;
      fi ;
   done ;
   if test x"$CC_FOR_BUILD" = x ; then

Open Source Used In StarOS 21.20 557
```
CC_FOR_BUILD=no_compiler_found;
fi
;;
")  CC_FOR_BUILD=SCC ;;
",")  CC_FOR_BUILD=$HOST_CC ;;
esac ; set_cc_for_build = ;'

# This is needed to find uname on a Pyramid OSx when run in the BSD universe.
# (ghazi@noc.rutgers.edu 1994-08-24)
if (test -f /.attbin/uname) >/dev/null 2>&1 ; then
PATH=$PATH:/attbin ; export PATH
fi

UNAME_MACHINE=`(uname -m) 2>/dev/null` || UNAME_MACHINE=unknown
UNAME_RELEASE=`(uname -r) 2>/dev/null` || UNAME_RELEASE=unknown
UNAME_SYSTEM=`(uname -s) 2>/dev/null` || UNAME_SYSTEM=unknown
UNAME_VERSION=`(uname -v) 2>/dev/null` || UNAME_VERSION=unknown

# Detect uclibc systems.

LIBC="gnu"
if [ -f /usr/include/bits/uClibc_config.h ]
then
LIBC=uclibc
if [ -n `grep "#define __UCLIBC_CONFIG_VERSION__" /usr/include/bits/uClibc_config.h` ]
then
UCLIBC_SUBVER=`sed -n "/#define __UCLIBC_CONFIG_VERSION__ /s///p" /usr/include/bits/uClibc_config.h`
LIBC=$LIBC$UCLIBC_SUBVER
fi
fi

# Note: order is significant - the case branches are not exclusive.

case "$UNAME_MACHINE-$UNAME_SYSTEM-$UNAME_RELEASE-$UNAME_VERSION" in
  *:NetBSD:*:*)
  # NetBSD (nbsd) targets should (where applicable) match one or
  # more of the tuples: *-*-netbsdelf*, *-*-netbsdelf*,
  # *-*-netbsdelf* and *-*-netbsd*. For targets that recently
  # switched to ELF, *-*-netbsd* would select the old
  # object file format. This provides both forward
  # compatibility and a consistent mechanism for selecting the
  # object file format.
  #
  # Note: NetBSD doesn't particularly care about the vendor
  # portion of the name. We always set it to "unknown".
  sysctl=`sysctl -n hw.machine_arch`
  UNAME_MACHINE_ARC="(/sbin/sysctl 2>/dev/null ||
   /usr/sbin/sysctl 2>/dev/null || echo unknown)"
  esac
```

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case "${UNAME_MACHINE_ARCH}" in
  armeb) machine=armeb-unknown ;;
  arm*) machine=arm-unknown ;;
  sh3el) machine=shl-unknown ;;
  sh3eb) machine=sh-unknown ;;
  sh5el) machine=sh5le-unknown ;;
  *) machine=${UNAME_MACHINE_ARCH}-unknown ;;
esac

# The Operating System including object format, if it has switched
# to ELF recently, or will in the future.
case "${UNAME_MACHINE_ARCH}" in
  arm*|i386|m68k|ns32k|sh3*|sparc|vax)
    eval $set_cc_for_build
    if echo __ELF__ | $CC_FOR_BUILD -E - 2>/dev/null \
      | grep -q __ELF__
    then
      # Once all utilities can be ECOFF (netbsdcoff) or a.out (netbsdout).
      # Return netbsd for either. FIX?
      os=netbsd
    else
      os=netbsdelf
    fi
  ;;
*)
o=netbsd
;;
esac

# The OS release
# Debian GNU/NetBSD machines have a different userland, and
# thus, need a distinct triplet. However, they do not need
# kernel version information, so it can be replaced with a
# suitable tag, in the style of linux-gnu.
case "${UNAME_VERSION}" in
  Debian*)
    release=-gnu'
  ;;
*)
  release=`echo ${UNAME_RELEASE}|sed -e 's/[-_].*/./'`
  ;;
esac

# Since CPU_TYPE-MANUFACTURER-KERNEL-OPERATING_SYSTEM:
# contains redundant information, the shorter form:
# CPU_TYPE-MANUFACTURER-OPERATING_SYSTEM is used.
echo "${machine}-${os}${release}"
exit ;;
*)
UNAME_MACHINE_ARCH=`arch | sed 's/Bitrig.//'`
echo ${UNAME_MACHINE_ARCH}-unknown-bitrig${UNAME_RELEASE}
exit;;
*:OpenBSD:*:*)
UNAME_MACHINE_ARCH=`arch | sed 's/OpenBSD://'
echo ${UNAME_MACHINE_ARCH}-unknown-openbsd${UNAME_RELEASE}
exit;;
*:ekkoBSD:*:*)
echo ${UNAME_MACHINE}-unknown-ekkobsd${UNAME_RELEASE}
exit;;
*:SolidBSD:*:*)
echo ${UNAME_MACHINE}-unknown-solidbsd${UNAME_RELEASE}
exit;;
macppc:MirBSD:*:*)
echo powerpc-unknown-mirbsd${UNAME_RELEASE}
exit;;
*:MirBSD:*:*)
echo ${UNAME_MACHINE}-unknown-mirbsd${UNAME_RELEASE}
exit;;
alpha:OSF1:*:*)
case $UNAME_RELEASE in
  *4.0) UNAME_RELEASE=’/usr/sbin/sizer -v | awk ‘{print $3}’
   ;;
  *5..*) UNAME_RELEASE=’/usr/sbin/sizer -v | awk ‘{print $4}’
   ;;
esac
# According to Compaq. /usr/sbin/psrinfo has been available on
# OSF/1 and Tru64 systems produced since 1995. I hope that
# covers most systems running today. This code pipes the CPU
# types through head -n 1, so we only detect the type of CPU 0.
ALPHA_CPU_TYPE="/usr/sbin/psrinfo -v | sed -n -e ‘s/^  The alpha (.* processor.*$/\1/p’ | head -n 1``
case "$ALPHA_CPU_TYPE" in
  "EV4 (21064)"
    UNAME_MACHINE="alpha" ;;
  "EV4.5 (21064)"
    UNAME_MACHINE="alpha" ;;
  "EV5 (21164)"
    UNAME_MACHINE="alphaev5" ;;
  "EV5.6 (21164A)"
    UNAME_MACHINE="alphaev56" ;;
  "EV5.6 (21164PC)"
    UNAME_MACHINE="alphapca56" ;;
  "EV5.7 (21164PC)"
    UNAME_MACHINE="alphapca57" ;;
  "EV6 (21264)"
    UNAME_MACHINE="alphaev6" ;;
"EV6.7 (21264A")
UNAME_MACHINE="alphaev67" ;;
"EV6.8CB (21264C)
UNAME_MACHINE="alphaev68" ;;
"EV6.8AL (21264B)
UNAME_MACHINE="alphaev68" ;;
"EV6.8CX (21264D")
UNAME_MACHINE="alphaev68" ;;
"EV6.9A (21264/EV69A)
UNAME_MACHINE="alphaev69" ;;
"EV7 (21364)
UNAME_MACHINE="alphaev7" ;;
"EV7.9 (21364A")
UNAME_MACHINE="alphaev79" ;;
esac

# A Pn.n version is a patched version.
# A Vn.n version is a released version.
# A Tn.n version is a released field test version.
# A Xn.n version is an unreleased experimental baselevel.
# 1.2 uses "1.2" for uname -r.
echo ${UNAME_MACHINE}-dec-osf`echo ${UNAME_RELEASE} | sed -e 's/^[PVTX]// | tr
 'ABCDEFHIJKLMNOPQRSTUVWXYZ' 'abcdefghijklmnopqrstuvwxyz`
 # Reset EXIT trap before exiting to avoid spurious non-zero exit code.
exitcode=$?
trap "0
exit $exitcode ;;
Alpha\*:Windows_NT*:*)
  # How do we know it's Interix rather than the generic POSIX subsystem?
  # Should we change UNAME_MACHINE based on the output of uname instead
  # of the specific Alpha model?
echo alpha-pc-interix
  exit ;;
  21064:Windows_NT:50:3)
echo alpha-dec-winnt3.5
  exit ;;
  Amiga*:UNIX_System_V:4.0:*)
echo m68k-unknown-sysv4
  exit ;;
  *[Aa]miga[Oo][Ss]:*:*)
echo ${UNAME_MACHINE}-unknown-amigaos
  exit ;;
  *[Mm]orph[Oo][Ss]:*:*)
echo ${UNAME_MACHINE}-unknown-morphos
  exit ;;
  *:OS/390:*:*)
echo i370-ibm-openedition
  exit ;;
  *:z/VM:*:*)
echo s390-ibm-zvmoes390-ibm-zvmoeecho powerpc-ibm-os400exit;:
    arm:RISC*:1.[012]*:*[arm:riscix:1.[012]*:*)echo arm-acorn-riscix${UNAME_RELEASE}exit;:
    arm:RISC*:1.*[arm:RISC*:1.*:*)echo arm-unknown-riscosearch SR2?01:HI-UX/MPP:*:* | SR8000:HI-UX/MPP:*:*)echo hppa1.1-hitachi-hiuxminnexit;:
    Pyramid*:OS*:*: | MIS*:OS*:*: | MIS*:SMP_DC-OS*:*:*)# akee@wpdis03.wpaafb.af.mil (Earle F. Ake) contributed MIS and NILE.
if test ""/bin/universe"" 2>/dev/null"" = att ; then
echo pyramid-pyramid-sysv3else
echo pyramid-pyramid-bsd
fiexit;:
    NILE*:*:*:dcosx)echo pyramid-pyramid-svr4exit;:
    DRS?6000:unix:4.0:6*)echo sparc-icl-nx6exit;:
    DRS?6000:UNIX_SV:4.2*:7* | DRS?6000:isis:4.2*:7*)case `/usr/bin/uname -p` in
sparc) echo sparc-icl-nx7; exit ;;esac ;;
    s390x:SunOS:*:*)echo $[${UNAME_MACHINE}]-ibm-solaris2`echo ${UNAME_RELEASE}|sed -e 's/[\^].*/'``
exit;:
    sun4H:SunOS:5.*:*)echo sparc-hal-solaris2 echo ${UNAME_RELEASE}|sed -e 's/[\^].*/'``
exit;:
    sun4*:SunOS:5.*:* | tadpole*:SunOS:5.*:*)echo sparc-sun-solaris2`echo ${UNAME_RELEASE}|sed -e 's/[\^].*/'``
exit;:
    i86pc:AuroraUX:5.*:* | i86xen:AuroraUX:5.*:*)echo i386-pc-auroraux$${UNAME_RELEASE}exit;:
    i86pc:SunOS:5.*:* | i86xen:SunOS:5.*:*)eval $set_cc_for_buildSUN_ARCH="i386"
# If there is a compiler, see if it is configured for 64-bit objects.
# Note that the Sun cc does not turn __LP64__ into 1 like gcc does.
# This test works for both compilers.
if ['"$CC_FOR_BUILD" != 'no_compiler_found' ]; then
  if (echo 'ifdef __amd64'; echo IS_64BIT_ARCH; echo 'endif') \ 
  (CCOPTS= "$CC_FOR_BUILD -E - 2>/dev/null" \ 
  grep IS_64BIT_ARCH >/dev/null
  then
    SUN_ARCH="x86_64"
  fi
fi

# According to config.sub, this is the proper way to canonicalize
# SunOS6. Hard to guess exactly what SunOS6 will be like, but
# it's likely to be more like Solaris than SunOS4.
# Japanese Language versions have a version number like `4.1.3-JL'.
# can be virtually everything (everything which is not
# "atarist" or "atariste" at least should have a processor.
The system name ranges from "MiNT" over "FreeMiNT" to the lowercase version "mint" (or "freemint"). Finally, the system name "TOS" denotes a system which is actually not MiNT. But MiNT is downward compatible to TOS, so this should be no problem.

```bash
atarist[e]:*MiNT:*:* | atarist[e]:*mint:*:* | atarist[e]:*TOS:*:*
```

```bash
echo m68k-atari-mint${UNAME_RELEASE}
echo m68k-atari-mint${UNAME_RELEASE}
echo m68k-atari-mint${UNAME_RELEASE}
```

```bash
falcon*:MiNT:*:* | *falcon*:mint:*:* | *falcon*:TOS:*:
```

```bash
echo m68k-falcon-mint${UNAME_RELEASE}
echo m68k-falcon-mint${UNAME_RELEASE}
echo m68k-unknown-mint${UNAME_RELEASE}
```

```bash
hades*:MiNT:*:* | hades*:mint:*:* | hades*:TOS:*:
```

```bash
echo m68k-hades-mint${UNAME_RELEASE}
echo m68k-unknown-mint${UNAME_RELEASE}
echo m68k-apple-machten${UNAME_RELEASE}
```

```bash
milan*:MiNT:*:* | milan*:mint:*:* | *milan*:TOS:*:
```

```bash
echo m68k-milan-mint${UNAME_RELEASE}
echo m68k-milan-mint${UNAME_RELEASE}
echo m68k-apple-machten${UNAME_RELEASE}
```

```bash
m68k:machten:*:* | m68k:machten:*:RISCos
```

```bash
eval $set_cc_for_build
sed 's/^// << EOF >$dummy.c
```

```bash
#include <stdio.h> /* for printf() prototype */
int main (int argc, char *argv[]) {
```

```bash
#define __cplusplus
```
int main (argc, argv) int argc; char *argv[]; { 
#if defined (host_mips) && defined (MIPSEB)
#elif defined (SYSTYPE_SYSV)
    printf ("mips-mips-riscos%ssysv\n", argv[1]); exit (0);
#elif defined (SYSTYPE_SVR4)
    printf ("mips-mips-riscos%ssvr4\n", argv[1]); exit (0);
#elif defined (SYSTYPE_BSD43) || defined(SYSTYPE_BSD)
    printf ("mips-mips-riscos%sbsd\n", argv[1]); exit (0);
#endif
exit (-1);
}

EOF

SCC_FOR_BUILD -o $dummy $dummy.c &&
dummyarg=`echo "${UNAME_RELEASE}" | sed -n 's/\[[0-9]*\]/\1/p'` &&
SYSTEM_NAME=`$dummy $dummyarg` &&
    { echo "$SYSTEM_NAME"; exit; }
echo mips-mips-riscos$[UNAME_RELEASE]
exit ;;
    Motorola:PowerMAX_OS:*:*)
echo powerpc-motorola-powermax
exit ;;
    Motorola:*:4.3:PL8-*)
echo powerpc-harris-powermax
exit ;;
    Night_Hawk:*:*:PowerMAX_OS | Synergy:PowerMAX_OS:*:*)
echo powerpc-harris-powermax
exit ;;
    Night_Hawk:Power_UNIX:*:*)
echo powerpc-harris-powerunix
exit ;;
    m88k:cx/ux:7*:*)
echo m88k-harris-cxux7
exit ;;
    m88k:*:4*:r4*)
echo m88k-motorola-sysv4
exit ;;
    m88k:*:3*:r3*)
echo m88k-motorola-sysv3
exit ;;
    AViiON:dguX:*:*)
# DG/UX returns AViiON for all architectures
UNAME_PROCESSOR="/usr/bin/uname -p"
if [ "$UNAME_PROCESSOR = mc88100" ] || [ "$UNAME_PROCESSOR = mc88110" ]
then
if [ ${TARGET_BINARY_INTERFACE}x = m88kdguxelfx ] || \
[ ${TARGET_BINARY_INTERFACE}x = x ]
then
echo m88k-dg-dgux$UNAME_RELEASE
else
echo m88k-dg-dguxbcs$UNAME_RELEASE
fi
else
echo i586-dg-dgux$UNAME_RELEASE
fi
exit ;;
M88*:DolphinOS:*:*)
# DolphinOS (SVR3)
echo m88k-dolphin-sysv3
exit ;;
M88*:.*:R3*:*)
# Delta 88k system running SVR3
echo m88k-motorola-sysv3
exit ;;
XD88*:.*:.*:*)
# Tektronix XD88 system running UTekV (SVR3)
echo m88k-tektronix-sysv3
exit ;;
Tek43[0-9][0-9]:UTek:*:*)
# Tektronix 4300 system running UTek (BSD)
echo m88k-tektronix-bsd
exit ;;
*:IRIX*:.*:*)
echo mips-sgi-irix`echo ${UNAME_RELEASE}|sed -e 's/-/_/g'`
exit ;;
?????????:AIX?:[12].1:2) # AIX 2.2.1 or AIX 2.1.1 is RT/PC AIX.
echo romp-ibm-aix # uname -m gives an 8 hex-code CPU id
exit ;; # Note that: echo `''uname -s''` gives 'AIX`
i*86:AIX:*:*)
echo i386-ibm-aix
exit ;;
ia64:AIX:*:*)
if [ -x /usr/bin/oslevel ] ; then
IBM_REV=/usr/bin/oslevel
else
IBM_REV=${UNAME_VERSION}.${UNAME_RELEASE}
fi
echo ${UNAME_MACHINE}-ibm-aix$IBM_REV
exit ;;
*:AIX:2:3)
if grep bos325 /usr/include/stdio.h >/dev/null 2>&1; then
eval $set_cc_for_build
    sed 's/\t//' << EOF >$dummy.c
#include <sys/systemcfg.h>
main()
if (!__power_pc())
    exit(1);
.puts("powerpc-ibm-aix3.2.5");
exit(0);
}
EOF
if SCC_FOR_BUILD -o $dummy $dummy.c && SYSTEM_NAME='"$dummy"
    then
    echo "$SYSTEM_NAME"
    else
    echo rs6000-ibm-aix3.2.5
    fi
elif grep bos324 /usr/include/stdio.h >/dev/null 2>&1; then
    echo rs6000-ibm-aix3.2.4
    else
    echo rs6000-ibm-aix3.2
    fi
exit ;;
  #:AIX:.*:[4567])
IBM_CPU_ID="/usr/sbin/lsdev -C -c processor -S available | sed 1q | awk '{ print $1 }"
if /usr/sbin/lsattr -El ${IBM_CPU_ID} | grep ' POWER' >/dev/null 2>&1; then
    IBM_ARCH=rs6000
    else
    IBM_ARCH=powerpc
    fi
if [ -x /usr/bin/oslevel ] ; then
    IBM_REV="/usr/bin/oslevel"
    else
    IBM_REV=${UNAME_VERSION}.${UNAME_RELEASE}
    fi
echo ${IBM_ARCH}-ibm-aix${IBM_REV}
exit ;;
  #:BOSX:*:*)
echo rs6000-bull-bosx
exit ;;
echo m68k-hp-bsd
exit ;;
hp300:4.4BSD::* | 9000/[34678]??:HP-UX::*
if [ -x /usr/bin/getconf ]; then
    sc_cpu_version="/usr/bin/getconf SC_CPU_VERSION 2>/dev/null"
    sc_kernel_bits="/usr/bin/getconf SC_KERNEL_BITS 2>/dev/null"
    case ""$sc_cpu_version"" in
        523) HP_ARCH="hppa1.0" ;; # CPU_PA_RISC1_0
        528) HP_ARCH="hppa1.1" ;; # CPU_PA_RISC1_1
        532) # CPU_PA_RISC2_0
        esac
    fi
    if [ "$HP_ARCH" = "" ]; then
        eval $set_cc_for_build
        sed 's/^		//' < EOF >$dummy.c

#define _HPUX_SOURCE
#include <stdlib.h>
#include <unistd.h>
int main ()
{
#if defined(_SC_KERNEL_BITS)
    long bits = sysconf(_SC_KERNEL_BITS);
#endif
    long cpu = sysconf (_SC_CPU_VERSION);

    switch (cpu)
    {
    case CPU_PA_RISC1_0: puts ("hppa1.0"); break;
    case CPU_PA_RISC1_1: puts ("hppa1.1"); break;
    case CPU_PA_RISC2_0:
        #if defined(_SC_KERNEL_BITS)
            switch (bits)
case 64: puts("hppa2.0w"); break;  
case 32: puts("hppa2.0n"); break;  
default: puts("hppa2.0"); break;  
} break;  
#else /* !_defined(_SC_KERNEL_BITS) */  
puts("hppa2.0"); break;  
#endif  
default: puts("hppa1.0"); break;  
}  
exit(0);  
}  
EOF  
(CC_OPTS= `$CC_FOR_BUILD -o $dummy $dummy.c 2>/dev/null`) && HP_ARCH="$dummy"  
test -z "HP_ARCH" && HP_ARCH=hppa  
fi ;;  
esac  
if [ ${HP_ARCH} = "hppa2.0w" ]  
then  
eval $set_cc_for_build  
  
  # hppa2.0w-hp-hpux* has a 64-bit kernel and a compiler generating  
  # 32-bit code. hppa64-hp-hpux* has the same kernel and a compiler  
  # generating 64-bit code. GNU and HP use different nomenclature:  
  #  
  # $ CC_FOR_BUILD=cc ./config.guess  
  # => hppa2.0w-hp-hpux11.23  
  # $ CC_FOR_BUILD="cc +DA2.0w" ./config.guess  
  # => hppa64-hp-hpux11.23  
  
  if echo __LP64__ | (CC_OPTS= `$CC_FOR_BUILD -E - 2>/dev/null`) |  
  grep -q __LP64__  
  then  
    HP_ARCH="hppa2.0w"  
  else  
    HP_ARCH="hppa64"  
  fi  
fi  

echo ${HP_ARCH}-hp-hpux${HPUX_REV}  
exit ;;  

ia64:HP-UX:*:*  
HPUX_REV=`echo ${UNAME_RELEASE}|sed -e 's/[^.]*.[0B]*/'`  
echo ia64-hp-hpux${HPUX_REV}  
exit ;;  
3050*:HI-UX:*:*  
eval $set_cc_for_build  

sed 's/^//' << EOF >$dummy.c  
#include <unistd.h>

int
main ()
{
  long cpu = sysconf (_SC_CPU_VERSION);
  /* The order matters, because CPU_IS_HP_MC68K erroneously returns
   * true for CPU_PA_RISC1_0. CPU_IS_PA_RISC returns correct
   * results, however.  */
  if (CPU_IS_PA_RISC (cpu))
  {
    switch (cpu)
    {  
    case CPU_PA_RISC1_0: puts ("hppa1.0-hitachi-hiuxwe2"); break;
    case CPU_PA_RISC1_1: puts ("hppa1.1-hitachi-hiuxwe2"); break;
    case CPU_PA_RISC2_0: puts ("hppa2.0-hitachi-hiuxwe2"); break;
    default: puts ("hppa-hitachi-hiuxwe2"); break;
    }
  }
  else if (CPU_IS_HP_MC68K (cpu))
    puts ("m68k-hitachi-hiuxwe2");
  else puts ("unknown-hitachi-hiuxwe2");
  exit (0);
}
EOF
$CC_FOR_BUILD -o $dummy $dummy.c && SYSTEM_NAME=`$dummy` &&
{ echo "$SYSTEM_NAME"; exit; }
echo unknown-hitachi-hiuxwe2
exit ::
  9000/7??:4.3bsd:*:* | 9000/8?[79]:4.3bsd:*:*
  hppa1.1-hp-bsd
exit ::
  9000/8??:4.3bsd:*:*
  hppa1.0-hp-bsd
exit ::
  *9???:MPE/iX:*:* | *3000*:MPE/iX:*:*
  hppa1.0-hp-mpeix
exit ::
  hp7???:OSF1:*:* | hp8?[79]:OSF1:*:*
  hppa1.1-hp-osf
exit ::
  hp8???:OSF1:*:*
  hppa1.0-hp-osf
exit ::
  i*86:OSF1:*:*
if [ -x /usr/sbin/sysversion ] ; then
  echo ${UNAME_MACHINE}-unknown-osf1mk
else
  echo ${UNAME_MACHINE}-unknown-osf1
fi
exit ;;
    parisc*:Lites*:::*:*)
    echo hppa1.1-hp-lites
exit ;;
    C1*:ConvexOS::*:* | convex:ConvexOS:C1::*:*)
    echo c1-convex-bsd
exit ;;
    C2*:ConvexOS::*:* | convex:ConvexOS:C2::*:*)
if getsysinfo -f scalar_ac
    then echo c32-convex-bsd
else echo c2-convex-bsd
    fi
exit ;;
    C34*:ConvexOS::*:* | convex:ConvexOS:C34::*:*)
    echo c34-convex-bsd
exit ;;
    C38*:ConvexOS::*:* | convex:ConvexOS:C38::*:*)
    echo c38-convex-bsd
exit ;;
    C4*:ConvexOS::*:* | convex:ConvexOS:C4::*:*)
    echo c4-convex-bsd
exit ;;
    CRAY*Y-MP::*:*:*:*)
    echo ymp-cray-unicos$[UNAME_RELEASE] | sed -e 's/\.[^./]*$/\.'/'
exit ;;
    CRAY*[A-Z][0-9]*:*:*:*)
    echo $[UNAME_MACHINE]-cray-unicos$[UNAME_RELEASE] | sed -e 's/CRAY.*([A-Z][0-9]/\1/)
    -e y/ABCDEFGHIJKLMNOPQRSTUVWXYZ/abcdefghijklmnopqrstuvwxyz/ 
    -e 's/\.[^./]*$/\.'/
exit ;;
    CRAY*TS:*:*:*:*)
    echo t90-cray-unicos$[UNAME_RELEASE] | sed -e 's/\.[^./]*$/\.'/
exit ;;
    CRAY*SV1:*:*:*:*)
    echo sv1-cray-unicos$[UNAME_RELEASE] | sed -e 's/\.[^./]*$/\.'/
exit ;;
*:UNICOS/mp:*:*:*)
    echo craynv-cray-unicosmp$[UNAME_RELEASE] | sed -e 's/\.[^./]*$/\.'/
exit ;;
    F30[01]:UNIX_System_V:*:*: | F700:UNIX_System_V:*:*:*)
FUJITSU_PROC=`uname -m | tr 'ABCDEFGHIJKLMNOPQRSTUVWXYZ' 'abcdefghijklmnopqrstuvwxyz'
FUJITSU_SYS=`uname -p | tr 'ABCDEFGHIJKLMNOPQRSTUVWXYZ' 'abcdefghijklmnopqrstuvwxyz`
FUJITSU_REL=`echo $[UNAME_RELEASE] | sed -e 's//'`
echo "$(FUJITSU_PROC)-fujitsu-$(FUJITSU_SYS)$(FUJITSU_REL)"
exit ::
  5000:UNIX_System_V:4.*:*)
FUJITSU_SYS=`uname -p | tr 'ABCDEFGHIJKLMNOPQRSTUVWXYZ' 'abcdefghijklmnopqrstuvwxyz' | sed -e 's/\///'`
FUJITSU_REL=`echo ${UNAME_RELEASE} | tr 'ABCDEFGHIJKLMNOPQRSTUVWXYZ' 'abcdefghijklmnopqrstuvwxyz' | sed -e 's/ /_/g'`
  echo "sparc-fujitsu-$(FUJITSU_SYS)$(FUJITSU_REL)"
  exit ::
  i*86:BSD/386:.*:* | i*86:BSD/OS:*:* | *:Ascend\ Embedded/OS:*:*)
  echo ${UNAME_MACHINE}-pc-bsdi${UNAME_RELEASE}
  exit ::
  *:BSD/OS:*:*)
  echo sparc-unknown-bsdi${UNAME_RELEASE}
  exit ::
  *:BSD/OS:*:*)
  echo ${UNAME_MACHINE}-unknown-bsdi${UNAME_RELEASE}
  exit ::
  *:FreeBSD:*:*)
  UNAME_PROCESSOR=`/usr/bin/uname -p`
  case ${UNAME_PROCESSOR} in
    amd64)
      echo x86_64-unknown-freebsd`echo ${UNAME_RELEASE}|sed -e 's/\[-\[.\]+//g' ::
    *)
      echo ${UNAME_PROCESSOR}-unknown-freebsd`echo ${UNAME_RELEASE}|sed -e 's/\[-\[.\]+//g' ::
      esac
      exit ::
      i*:CYGWIN:*:*)
      echo ${UNAME_MACHINE}-pc-cygwin
      exit ::
      *:MINGW64:*:*)
      echo ${UNAME_MACHINE}-pc-mingw64
      exit ::
      *:MINGW:*:*)
      echo ${UNAME_MACHINE}-pc-mingw32
      exit ::
      i*:MSYS:*:*)
      echo ${UNAME_MACHINE}-pc-msys
      exit ::
      i*:windows32:*:*)
      # uname -m includes "-pc" on this system.
      echo ${UNAME_MACHINE}-mingw32
      exit ::
      i*:PW:*:*)
      echo ${UNAME_MACHINE}-pc-pw32
      exit ::
      *:Interix:*:*)
    esac
  case ${UNAME_MACHINE} in
echo i586-pc-interix${UNAME_RELEASE}
exiit ;;
authenticamd | genuineintel | EM64T)
exit ;;
1A64)
echo ia64-unknown-interix${UNAME_RELEASE}
exiit ;;
esac ;;
echo i[UNAME_MACHINE]-pc-mks
exit ;;
8664:Windows_NT:*)
echo x86_64-pc-mks
exit ;;
i*:Windows_NT*: | Pentium*:Windows_NT*:)
exit ;;
i*:UWIN*:*)
echo i${UNAME_MACHINE}-pc-uwin
exit ;;
amd64:CYGWIN*:.* | x86_64:CYGWIN*:.*)
echo x86_64-unknown-cygwin
exit ;;
p*:CYGWIN*:*)
echo powerpcle-unknown-cygwin
exit ;;
prep*:SunOS:5.*:*)
echo powerpcle-unknown-solaris2`echo ${UNAME_RELEASE}|sed -e 's/[^.]*//'
exit ;;
*:GNU:*:*)
# the GNU system
echo `echo ${UNAME_MACHINE}|sed -e 's/[\[-/].*]/\n'`
echo ${UNAME_MACHINE}|sed -e 's/[^/].*//'
exit ;;
*:GNU/*:*)
# other systems with GNU libc and userland
echo ${UNAME_MACHINE}-unknown- echo ${UNAME_RELEASE}|sed -e 's/[^/].*//'
echo ${UNAME_SYSTEM} | sed 's,^[A-Z] [a-z]"echo ${UNAME_RELEASE}|sed -e 's/[\[-/].*//'
exiit ;;
i*86:Minix:.*:*)
echo ${UNAME_MACHINE}-pc-minix
exit ;;
aarch64:Linux:.*:*)
echo ${UNAME_MACHINE}-unknown-linux-gnu
exit ;;
  aarch64_be:Linux:*:*)
UNAME_MACHINE=aarch64_be
echo ${UNAME_MACHINE}-unknown-linux-gnu
exit ;;
alpha:Linux:*:*)
case `sed -n '/^cpu model/s/^.*: \(.*\)/\1/p' < /proc/cpuinfo` in
  EV5) UNAME_MACHINE=alphaev5 ;;
  EV56) UNAME_MACHINE=alphaev56 ;;
  PCA56) UNAME_MACHINE=alphapca56 ;;
  PCA57) UNAME_MACHINE=alphapca56 ;;
  EV6) UNAME_MACHINE=alphaev6 ;;
  EV67) UNAME_MACHINE=alphaev67 ;;
  EV68*) UNAME_MACHINE=alphaev68 ;;
esac
objdump --private-headers /bin/sh | grep -q ld.so.1
if test "$?" = 0 ; then LIBC="gnulibc1" ; else LIBC="" ; fi
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
arm*:Linux:*:*)
eval $set_cc_for_build
if echo __ARM_EABI__ | $CC_FOR_BUILD -E - 2>/dev/null |
  grep -q __ARM_EABI__
then
  echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
else
  if echo __ARM_PCS_VFP | $CC_FOR_BUILD -E - 2>/dev/null |
    grep -q __ARM_PCS_VFP
  then
    echo ${UNAME_MACHINE}-unknown-linux-gnueabihf
  else
    echo ${UNAME_MACHINE}-unknown-linux-gnueabi
  fi
fi
exit ;;
avr32*:Linux:*:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
cris:Linux:*:*)
echo ${UNAME_MACHINE}-axis-linux-${LIBC}
exit ;;
crisv32:Linux:*:*)
echo ${UNAME_MACHINE}-axis-linux-${LIBC}
exit ;;
frv:Linux:*:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
hexagon:Linux:*:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ::
  i*86:Linux:*:*)
LIBC=gnu
eval $set_cc_for_build
sed 's/^	//' << EOF >$dummy.c
#endif __dietlibc__
LIBC=dietlibc
#endif
EOF
eval `$CC_FOR_BUILD -E $dummy.c 2>/dev/null | grep '^LIBC'
echo "$PROGRAMNAME-${IPARM}-linux-$LIBC"
exit ::
  ia64:Linux:*:*)
echo $PROGRAMNAME-unknown-linux-$LIBC
exit ::
  m32r*:Linux:*:*)
echo $PROGRAMNAME-unknown-linux-$LIBC
exit ::
  m68*:Linux:*:*)
echo $PROGRAMNAME-unknown-linux-$LIBC
exit ::
  mips:Linux:*:* | mips64:Linux:*::*
eval $set_cc_for_build
sed 's/^	//' << EOF >$dummy.c
#undef CPU
#undef ${UNAME_MACHINE}
#undef ${UNAME_MACHINE}el
#if defined(__MIPSEL__) || defined(__MIPSEL) || defined(_MIPSEL) || defined(MIPSEL)
CPU=${UNAME_MACHINE}el
#else
#if defined(__MIPSEB__) || defined(__MIPSEB) || defined(_MIPSEB) || defined(MIPSEB)
CPU=${UNAME_MACHINE}
#else
CPU=
#endif
#endif
EOF
eval `SCC_FOR_BUILD -E $dummy.c 2>/dev/null | grep '^CPU'
test x"$CPU" != x && { echo "${CPU}-unknown-linux-$LIBC"; exit; }
;;
or32:Linux:*:*)
echo $PROGRAMNAME-unknown-linux-$LIBC
exit ::
padre:Linux:*:*)
echo sparc-unknown-linux-$LIBC
exit ::
parisc64:Linux:*:* | hppa64:Linux:*:*)

echo hppa64-unknown-linux-$[LIBC]
exit ::
    parisc:Linux:*:* | hppa:Linux:*:*)
# Look for CPU level
case `grep '^cpu[^a-z]*:' /proc/cpuinfo 2>/dev/null | cut -d' ' -f2` in
    PA7*) echo hppa1.1-unknown-linux-$[LIBC] ;;
    PA8*) echo hppa2.0-unknown-linux-$[LIBC] ;;
    *) echo hppa-unknown-linux-$[LIBC] ;;
esac
exit ::
    ppc64:Linux:*:*)
echo powerpc64-unknown-linux-$[LIBC]
exit ::;
    ppc:Linux:*:*)
echo powerpc-unknown-linux-$[LIBC]
exit ::;
    s390:Linux:*:* | s390x:Linux:*:*)
echo $[UNAME_MACHINE]-ibm-linux
exit ::;
    sh64*:Linux:*:*)
echo $[UNAME_MACHINE]-unknown-linux-$[LIBC]
exit ::;
    sh*:Linux:*:*)
echo $[UNAME_MACHINE]-unknown-linux-$[LIBC]
exit ::;
    sparc:Linux:*:* | sparc64:Linux:*:*)
echo $[UNAME_MACHINE]-unknown-linux-$[LIBC]
exit ::;
    tile*:Linux:*:*)
echo $[UNAME_MACHINE]-unknown-linux-$[LIBC]
exit ::;
    vax:Linux:*:*)
echo $[UNAME_MACHINE]-dec-linux-$[LIBC]
exit ::;
    x86_64:Linux:*:*)
echo $[UNAME_MACHINE]-unknown-linux-$[LIBC]
exit ::;
    xtensa*:Linux:*:*)
echo $[UNAME_MACHINE]-unknown-linux-$[LIBC]
exit ::
    i*86:DYNIX/ptx:4*:*)
# ptx 4.0 does uname -s correctly, with DYNIX/ptx in there.
# earlier versions are messed up and put the nodename in both
# sysname and nodename.
echo i386-sequent-sysv4
exit ::
    i*86:UNIX_SV:4.2MP:2.*)
# Unixware is an offshoot of SVR4, but it has its own version
# number series starting with 2...
# I am not positive that other SVR4 systems won't match this,
# I just have to hope. -- rms.
# Use sysv4.2uw... so that sysv4* matches it.
echo ${UNAME_MACHINE}-pc-sysv4.2uw${UNAME_VERSION}
exit ;;
i*86:OS/2:.*::*
# If we were able to find `uname', then EMX Unix compatibility
# is probably installed.
echo ${UNAME_MACHINE}-pc-os2-emx
exit ;;
i*86:XTS-300:.*:STOP)
echo ${UNAME_MACHINE}-unknown-stop
exit ;;
i*86:atheos:.*::*
echo ${UNAME_MACHINE}-unknown-atheos
exit ;;
i*86:syllable:.*::*
echo ${UNAME_MACHINE}-pc-syllable
exit ;;
i*86:LYNXOS:2.*:.* | i*86:LYNXOS:3.[01]*:.* | i*86:LYNXOS:4.[02]*:.*
echo i386-unknown-lynxos$[UNAME_RELEASE]
exit ;;
i*86:*DOS:.*::*
echo ${UNAME_MACHINE}-pc-msdosdjgpp
exit ;;
i*86:*:4.*:.* | i*86:SYSTEM_V:4.*::*
UNAME_REL=`echo ${UNAME_RELEASE} | sed 's/\[//p'
if grep Novell /usr/include/link.h >/dev/null 2>/dev/null; then
  echo ${UNAME_MACHINE}-univel-sysv${UNAME_REL}
else
  echo ${UNAME_MACHINE}-pc-sysv${UNAME_REL}$[UNAME_SYSTEM]$[UNAME_VERSION]
fi
exit ;;
i*86:*:5:[678]*
# UnixWare 7.x, OpenUNIX and OpenServer 6.
case `/bin/uname -X | grep "^Machine" in
  *486*)  UNAME_MACHINE=i486 ;;
  *Pentium) UNAME_MACHINE=i586 ;;
  *Pent*|*Celeron) UNAME_MACHINE=i686 ;;
esac
echo ${UNAME_MACHINE}-unknown-
sysv$[UNAME_RELEASE]${[UNAME_SYSTEM]$[UNAME_VERSION]
exiit ;;
i*86:*:3.2:.*
if test -f /usr/options/cb.name; then
  UNAME_REL=`sed -n 's/.*Version //p' </usr/options/cb.name`
echo ${UNAME_MACHINE}-pc-isc$UNAME_REL

elif /bin/uname -X 2>/dev/null >/dev/null ; then
UNAME_REL=`(/bin/uname -X|grep Release|sed -e 's/.*= //')`
(/bin/uname -X|grep i80486 2>/dev/null) &&
UNAME_MACHINE=i486
(/bin/uname -X|grep 'Machine.*Pentium' 2>/dev/null) \ 
&&
UNAME_MACHINE=i586
(/bin/uname -X|grep 'Machine.*Pent I' 2>/dev/null) \ 
&&
UNAME_MACHINE=i686
(/bin/uname -X|grep '^Machine.*Pentium Pro' 2>/dev/null) \ 
&&
UNAME_MACHINE=i686
else
fi

# Left here for compatibility:  
# unamex -m prints for DJGPP always 'pc', but it prints nothing about  
# the processor, so we play safe by assuming i586.  
# Note: whatever this is, it MUST be the same as what config.sub  
# prints for the "djgpp" host, or else GDB configuruy will decide that  
# this is a cross-build.

echo i586-pc-msdosdjgpp
exit ;;

Intel:Mach:3:.*
echo i386-pc-mach3
exit ;;

paragon:.*
echo i860-intel-osf1
exit ;;
i860:.*:4:.* # i860-SVR4
if grep Stardent /usr/include/sys/uadmin.h 2>&1 ; then
  echo i860-stardent-sysv$UNAME_RELEASE # Stardent Vistra i860-SVR4
else # Add other i860-SVR4 vendors below as they are discovered.
  echo i860-unknown-sysv$UNAME_RELEASE # Unknown i860-SVR4
fi
exit ;;

mini:CTIX:SYS*:.*
# "miniframe"

m68010-convergent-sysv
exit ;;

mc68k:UNIX:SYSTEM5:3.51m
m68k-convergent-sysv
exit ;;

M680?0:D-NIX:5:.*
m68k-diab-dnix
exit ;;

M68*:R3V[5678]*
test -r /sysV68 && { echo 'm68k-motorola-sysv'; exit; } ;;
OS_REL=""

test -r /etc/.relid && OS_REL=.`sed -n 's/[^ ]* \([^ ]\* \([0-9]\[0-9\]\).*/\1/p' < /etc/.relid`

/bin/uname -p 2>/dev/null | grep 86 >/dev/null
&& { echo i486-ncr-sysv4.3${OS_REL}; exit; }

/bin/uname -p 2>/dev/null | /bin/grep entium >/dev/null
&& { echo i586-ncr-sysv4.3${OS_REL}; exit; } ;;

3[34]??*:4.0:* | 3[34]??,*:*:4.0:*

/bin/uname -p 2>/dev/null | grep 86 >/dev/null
&& { echo i486-ncr-sysv4; exit; } ;;

NCR*:*:4.2::* | MPRAS*:*:4.2:*

OS_REL='3'

test -r /etc/.relid 
&& OS_REL=.`sed -n 's/[^ ]* \([^ ]\* \([0-9]\[0-9\]\).*/\1/p' < /etc/.relid`

/bin/uname -p 2>/dev/null | grep 86 >/dev/null
&& { echo i486-ncr-sysv4.3${OS_REL}; exit; }

/bin/uname -p 2>/dev/null | /bin/grep entium >/dev/null
&& { echo i586-ncr-sysv4.3${OS_REL}; exit; } ;;

3[34]??*:4.0:* | 3[34]??,*:*:4.0:*

/bin/uname -p 2>/dev/null | grep 86 >/dev/null
&& { echo i486-ncr-sysv4; exit; } ;;

NCR*:*:4.2::* | MPRAS*:*:4.2:*

OS_REL='.3'

test -r /etc/.relid 
&& OS_REL=.`sed -n 's/[^ ]* \([^ ]\* \([0-9]\[0-9\]\).*/\1/p' < /etc/.relid`

/bin/uname -p 2>/dev/null | grep 86 >/dev/null
&& { echo i486-ncr-sysv4.3${OS_REL}; exit; }

/bin/uname -p 2>/dev/null | /bin/grep entium >/dev/null
&& { echo i586-ncr-sysv4.3${OS_REL}; exit; } ;;

3[34]??*:4.0:* | 3[34]??,*:*:4.0:*

/bin/uname -p 2>/dev/null | grep 86 >/dev/null
&& { echo i486-ncr-sysv4; exit; } ;;

NCR*:*:4.2::* | MPRAS*:*:4.2:*

OS_REL='.3'

if uname -p 2>/dev/null >/dev/null ; then

3[34]??*:4.0:3.0 | 3[34]??A*:4.0:3.0 | 3[34]??*:4.0:3.0 | 3[34]??*:4.0:3.0 | 4400:*:4.0:3.0 | 4850:*:4.0:3.0 | SKA40:*:4.0:3.0 | SDS2:*:4.0:3.0 | SHG2:*:4.0:3.0 | S7501*:*:4.0:3.0)
UNAME_MACHINE=`(uname -p) 2>/dev/null`
echo ${UNAME_MACHINE}-sni-sysv4
else
echo ns32k-sni-sysv
fi
exit ;;
    PENTIUM:*:4.0:*:*) # Unisys `ClearPath HMP IX 4000' SVR4/MP effort
    # says <Richard.M.Bartel@ccMail.Census.GOV>
echo i586-unisys-sysv4
    exit ;;
    *:UNIX_System_V:4:*:FTX*)
    # From Gerald Hewes <hewes@openmarket.com>.
    # How about differentiating between stratus architectures? -djm
    echo hppa1.1-stratus-sysv4
    exit ;;
    *:*:*:*:FTX*)
    # From seanf@swdc.stratus.com.
echo i860-stratus-sysv4
    exit ;;
    i*86:VOS:*:*)
    # From Paul.Green@stratus.com.
echo $[UNAME_MACHINE]-stratus-vos
    exit ;;
    *:*:VOS:*:*)
    # From Paul.Green@stratus.com.
echo hppa1.1-stratus-vos
    exit ;;
    mc68*:A/UX:*:*)
echo m68k-apple-aux${UNAME_RELEASE}
exit ;;
    news*:NEWS-OS:6:*:*)
echo mips-sony-newsos6
exit ;;
    R[34]000:*System_V:*:*: | R4000:UNIX_SYSV:*:*: | R*000:UNIX_SV:*:*:)
if [ -d /usr/nec ]; then
echo mips-nec-sysv${UNAME_RELEASE}
else
    echo mips-unknown-sysv${UNAME_RELEASE}
fi
exit ;;
    BeBox:BeOS:*:*:)
    # BeOS running on hardware made by Be, PPC only.
echo powerpc-be-beos
    exit ;;
    BeMac:BeOS:*:*:)
    # BeOS running on Mac or Mac clone, PPC only.
echo powerpc-apple-beos
    exit ;;
    BePC:BeOS:*:*:)
    # BeOS running on Intel PC compatible.
echo i586-PC-beos
exit ;
BePC:Haiku:*:*# Haiku running on Intel PC compatible.
echo i586-pc-haiku
exit ;
x86_64:Haiku:*:*
echo x86_64-unknown-haiku
exit ;
SX-4:SUPER-UX:*:*
echo sx4-nec-superux${UNAME_RELEASE}
exit ;
SX-5:SUPER-UX:*:*
echo sx5-nec-superux${UNAME_RELEASE}
exit ;
SX-6:SUPER-UX:*:*
echo sx6-nec-superux${UNAME_RELEASE}
exit ;
SX-7:SUPER-UX:*:*
echo sx7-nec-superux${UNAME_RELEASE}
exit ;
SX-8:SUPER-UX:*:*
echo sx8-nec-superux${UNAME_RELEASE}
exit ;
SX-8R:SUPER-UX:*:*
echo sx8r-nec-superux${UNAME_RELEASE}
exit ;
Power*:Rhapsody:*:*
echo powerpc-apple-rhapsody${UNAME_RELEASE}
exit ;
*:Rhapsody:*:*
echo ${UNAME_MACHINE}-apple-rhapsody${UNAME_RELEASE}
exit ;
*:Darwin:*:*
UNAME_PROCESSOR=`uname -p` || UNAME_PROCESSOR=unknown
case $UNAME_PROCESSOR in
   i386)
      eval $set_cc_for_build
      if [ "$CC_FOR_BUILD" ! = 'no_compiler_found' ]; then
         if (echo '#ifdef __LP64__'; echo IS_64BIT_ARCH; echo '#endif') | 
            (CCOPTS= $CC_FOR_BUILD -E - 2>/dev/null) | 
            grep IS_64BIT_ARCH >/dev/null
            then
               UNAME_PROCESSOR="x86_64"
            fi
         fi
      fi
   esac
   unknown) UNAME_PROCESSOR=powerpc ;;
   esac
   echo ${UNAME_PROCESSOR}-apple-darwin${UNAME_RELEASE}
exit ;
*:procnto:*:* | *:QNX:0123456789:*:*

UNAME_PROCESSOR="uname -p"
if test "$UNAME_PROCESSOR" = "x86"; then
UNAME_PROCESSOR=i386
UNAME_MACHINE=pc
fi
echo ${UNAME_PROCESSOR}-${UNAME_MACHINE}-nto-qnx${UNAME_RELEASE}
exit ::
*:QNX::*:4*)
echo i386-pc-qnx
exit ::
NEO-?:NONSTOP KERNEL:*:*)
echo neo-tandem-nsk${UNAME_RELEASE}
exit ::
NSE-?:NONSTOP KERNEL:*:*)
echo nse-tandem-nsk${UNAME_RELEASE}
exit ::
NSR-?:NONSTOP KERNEL:*:*)
echo nsr-tandem-nsk${UNAME_RELEASE}
exit ::
*:NonStop-UX:*::*
echo mips-compaq-nonstopux
exit ::
BS2000:POSIX::*:*)
echo bs2000-siemens-sysv
exit ::
DS/*:UNIX_system_2:*:*)
echo ${UNAME_MACHINE}-${UNAME_SYSTEM}-${UNAME_RELEASE}
exit ::
*:Plan9:*::*
# "uname -m" is not consistent, so use $cputype instead. 386
# is converted to i386 for consistency with other x86
# operating systems.
if test "$cputype" = "386"; then
UNAME_MACHINE=i386
else
UNAME_MACHINE="$cputype"
fi
echo ${UNAME_MACHINE}-unknown-plan9
exit ::
*:TOPS-10:*::*
echo pdp10-unknown-tops10
exit ::
*:TENEX:*::*
echo pdp10-unknown-tenex
exit ::
KS10:TOPS-20:*:* | KL10:TOPS-20:*:* | TYPE4:TOPS-20:*::*
echo pdp10-dec-tops20
exit ;;
        XKL-1:TOPS-20:*:* | TYPE5:TOPS-20:*:*)
echo pdp10-xkl-tops20
exit ;;
        *:TOPS-20:*:*)
echo pdp10-unknown-tops20
exit ;;
        *:ITS:*:*)
echo pdp10-unknown-its
exit ;;
        SEI:*:*:SEIUX)
echo mips-sei-seiux${UNAME_RELEASE}
exit ;;
        *:DragonFly:*:*)
echo ${UNAME_MACHINE}-unknown-dragonfly`echo ${UNAME_RELEASE}|sed -e 's/^[\-]*\([.\-]*\)/'/
exit ;;
        *:VMS:*:*)
UNAME_MACHINE=(uname -p) 2>/dev/null'
case "$UNAME_MACHINE" in
    A*) echo alpha-dec-vms ; exit ;;
    I*) echo ia64-dec-vms ; exit ;;
    V*) echo vax-dec-vms ; exit ;;
esac ;;
        *:XENIX:*:SysV)
echo i386-pc-xenix
exit ;;
        i*86:skynos:*:*)
echo ${UNAME_MACHINE}-pc-skynos`echo ${UNAME_RELEASE}` | sed -e 's/-[^-]//'
exit ;;
        i*86:rdos:*:*)
echo ${UNAME_MACHINE}-pc-rdos
exit ;;
        i*86:AROS:*:*)
echo ${UNAME_MACHINE}-pc-aros
exit ;;
        x86_64:VMkernel:*:*)
echo ${UNAME_MACHINE}-unknown-esx
exit ;;
esac
eval $set_cc_for_build
cat >$dummy.c <<EOF
#ifdef _SEQUENT_
#include <sys/types.h>
#endif
main ()
{
#if defined (sony)
#elif defined (MIPSEB)
/* BFD wants "bsd" instead of "newsos". Perhaps BFD should be changed,
I don't know.... */
printf("mips-sony-bsd
"); exit (0);
#else
#include <sys/param.h>
printf("m68k-sony-newsos\n", 
#endif NEWSOS4
"4"
#else
==
#endif
); exit (0);
#endif
#endif

#if defined (__arm) && defined (__acorn) && defined (__unix)
printf("arm-acorn-riscix\n"); exit (0);
#endif

#if defined (hp300) && !defined (hpux)
printf("m68k-hp-bsd\n"); exit (0);
#endif

#if defined (NeXT)
#else defined (__ARCHITECTURE__)
#define __ARCHITECTURE__ "m68k"
#endif

int version;
version=`(hostinfo | sed -n 's/.*NeXT Mach \([0-9]*\).*/\1/p') 2>/dev/null`;
if (version < 4)
  printf("%s-next-nextstep\n", __ARCHITECTURE__, version);
else
  printf("%s-next-openstep\n", __ARCHITECTURE__, version);
exit (0);
#endif

#if defined (MULTIMAX) || defined (n16)
#else defined (UMAXV)
printf("ns32k-encore-sysv\n"); exit (0);
#else defined (CMU)
printf("ns32k-encore-mach\n"); exit (0);
#else
printf("ns32k-encore-bsd\n"); exit (0);
#endif
#endif

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#endif

#if defined (__386BSD__)
    printf ("i386-pc-bsd\n"); exit (0);
#endif

#if defined (sequent)
    #if defined (i386)
        printf ("i386-sequent-dynix\n"); exit (0);
    #endif
    #if defined (ns32000)
        printf ("ns32k-sequent-dynix\n"); exit (0);
    #endif
#endif

#if defined (_SEQUENT_)
    struct utsname un;
    
    uname(&un);
    
    if (strncmp(un.version, "V2", 2) == 0) {
        printf ("i386-sequent-ptx2\n"); exit (0);
    }
    if (strncmp(un.version, "V1", 2) == 0) { /* XXX is V1 correct? */
        printf ("i386-sequent-ptx1\n"); exit (0);
    }
    printf ("i386-sequent-ptx\n"); exit (0);
#endif

#if defined (vax)
    # if !defined (ultrix)
        # include <sys/param.h>
    # if defined (BSD)
        # if BSD == 43
            printf ("vax-dec-bsd4.3\n"); exit (0);
        # else
            printf ("vax-dec-bsd\n"); exit (0);
        # endif
        # if BSD == 199006
            printf ("vax-dec-bsd4.3reno\n"); exit (0);
        # else
            printf ("vax-dec-bsd\n"); exit (0);
        # endif
        # else
            printf ("vax-dec-bsd\n"); exit (0);
        # endif
        # else
            printf ("vax-dec-ultrix\n"); exit (0);
        # endif
        # else
            printf ("vax-dec-bsd\n"); exit (0);
        # endif
        # else
            printf ("vax-dec-bsd\n"); exit (0);
        # endif
        # else
            printf ("vax-dec-ultrix\n"); exit (0);
        #endif
    #endif
    #endif
    #endif
    #endif
EOF

$CC_FOR_BUILD -o $dummy $dummy.c 2>/dev/null && SYSTEM_NAME=`$dummy` && {
    echo "$SYSTEM_NAME"; exit; 
}

# Apollos put the system type in the environment.

test -d /usr/apollo && { echo ${ISP}-apollo-${SYSTYPE}; exit; }

# Convex versions that predate uname can use getsysinfo(1)

if [-x /usr/convex/getsysinfo ]
then
    case `getsysinfo -f cpu_type` in
        c1*)
            echo c1-convex-bsd
            exit ;;
        c2*)
            if getsysinfo -f scalar_acc
                then echo c32-convex-bsd
                else echo c2-convex-bsd
                fi
            exit ;;
        c34*)
            echo c34-convex-bsd
            exit ;;
        c38*)
            echo c38-convex-bsd
            exit ;;
        esac
    fi

    cat >&2 <<EOF
$0: unable to guess system type

This script, last modified $timestamp, has failed to recognize
the operating system you are using. It is advised that you
download the most up to date version of the config scripts from

http://git.savannah.gnu.org/gitweb/?p=config.git;a=.blob_plain;f=config.guess;hb=HEAD

and

http://git.savannah.gnu.org/gitweb/?p=config.git;a=blob_plain;f=config.sub;hb=HEAD

If the version you run ($0) is already up to date, please
send the following data and any information you think might be
pertinent to <config-patches@gnu.org> in order to provide the needed
information to handle your system.

cfguess timestamp = $timestamp

uname -m = `$(uname -m) 2>/dev/null || echo unknown`
uname -r = `$(uname -r) 2>/dev/null || echo unknown`
uname -s = `$(uname -s) 2>/dev/null || echo unknown`
uname -v = `$(uname -v) 2>/dev/null || echo unknown`

/usr/bin/uname -p = `$(/usr/bin/uname -p) 2>/dev/null`
/bin/uname -X = `$(/bin/uname -X) 2>/dev/null`

hostinfo = `$(hostinfo) 2>/dev/null`
/bin/universe = `$(/bin/universe) 2>/dev/null`
/usr/bin/arch -k = `$(/usr/bin/arch -k) 2>/dev/null`
/bin/arch = `$(/bin/arch) 2>/dev/null`
/usr/bin/oslevel = `$(/usr/bin/oslevel) 2>/dev/null`
/usr/convex/getsysinfo = `$(/usr/convex/getsysinfo) 2>/dev/null`

UNAME_MACHINE = ${UNAME_MACHINE}
UNAME_RELEASE = ${UNAME_RELEASE}
UNAME_SYSTEM = ${UNAME_SYSTEM}
UNAME_VERSION = ${UNAME_VERSION}
EOF

exit 1

# Local variables:
# eval: (add-hook 'write-file-hooks 'time-stamp)
# time-stamp-start: "timestamp="
# time-stamp-format: "%:y-%02m-%02d"
# time-stamp-end: ""
# End:

1.60 rdma-core 46mlnx1
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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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* ______________________________________________________________
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Also add information on how to contact you by electronic and paper mail.

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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.

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

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I've modified a (modified) version of Bill Rosenblatt's ksh debugger to work with bash-2.0. Does ORA have any problem with me distributing it with bash-2.0?

That's great!

Go ahead and circulate it; in fact, we should probably grab it and stick it in our ftp archive, and put a reference to it in the book. (Too late to actually discuss the thing, at least for this edition).

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

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consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General
Public License instead of this License.

From spcecdt@armory.com Wed May 10 10:21:11 1995
Flags: 10
Sure. The canonical versions are available on ftp.armory.com; you might want to pick up the latest versions before modifying them.

John

On May 9, 1:36pm, Chet Ramey wrote:

Hi. I'm the maintainer of bash (the GNU 'Bourne Again shell') for the FSF.
```
"The lyf so short, the craft so long to lerne." - Chaucer
```

From friedman@cli.com Thu May 25 12:19:06 1995
Flags: 10
Return-Path: friedman@cli.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins)
id MAA08685; Thu, 25 May 1995 12:19:05 -0400 (from friedman@cli.com for <chet@odin.INS.CWRU.Edu>)
Received: from cli.com (cli.com [192.31.85.1]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)
id MAA11299; Thu, 25 May 1995 12:19:00 -0400 (from friedman@cli.com for <chet@po.cwru.edu>)
Received: from tepui.cli.com by cli.com (4.1/SMI-4.1)
id AA27213; Thu, 25 May 95 11:18:25 CDT
Received: by tepui.cli.com (4.1) id AA16031; Thu, 25 May 95 11:18:23 CDT
Message-Id: <9505251618.AA16031@tepui.cli.com>
From: friedman@gnu.ai.mit.edu (Noah Friedman)
To: chet@po.cwru.edu
Subject: Bash scripts
Reply-To: friedman@gnu.ai.mit.edu
In-Reply-To: <chet@odin.ins.cwru.edu> Thu, 25 May 1995 11:19:59 -0400
References: <9505251519.AA06424.SM@odin.INS.CWRU.Edu>
Date: Thu, 25 May 95 11:18:21 CST

>Hi. I snagged some of your bash functions from your home directory on
>the FSF machines (naughty, I know), and I was wondering if you'd let
>me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in
~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and
es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)
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1.68 zlib 1.1.3

1.69 jakarta-annotations-api 1.3.5

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[subst="normal"]
....
Specification: {doctitle}

Version: {revnumber}
ifeval:([{revremark}] != "")
Status: {revremark}
endif:[]
ifeval:([{revremark}]) == "]
Status: Final Release
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Release: {revdate}
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@example
one line to give the program's name and a brief idea of what it does.

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@example
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@example
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* /opt/ws_local/PERMITS_SQL/1049595386_1591288864.03/0/integration-common-18-1-0-sources-jar/com/synopsys/integration/util/NoThreadExecutorService.java
* /opt/ws_local/PERMITS_SQL/1049595386_1591288864.03/0/integration-common-18-1-0-sources-jar/com/synopsys/integration/function/ThrowingSupplier.java
* /opt/ws_local/PERMITS_SQL/1049595386_1591288864.03/0/integration-common-18-1-0-sources-jar/com/synopsys/integration/util/HostNameHelper.java
* /opt/ws_local/PERMITS_SQL/1049595386_1591288864.03/0/integration-common-18-1-0-sources-jar/com/synopsys/integration/util/Stringable.java
* /opt/ws_local/PERMITS_SQL/1049595386_1591288864.03/0/integration-common-18-1-0-sources-jar/com/synopsys/integration/interval/ExcludedIncludedWildcardFilter.java
1.73 linux-kernel 2.6.38

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(in case you are wondering where CyberLogin is, EON changed its login
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```c
#ifndef __LICENSE_H
#define __LICENSE_H

static inline int license_is_gpl_compatible(const char *license)
{
    return (strcmp(license, "GPL") == 0
              || strcmp(license, "GPL v2") == 0
              || strcmp(license, "GPL and additional rights") == 0
              || strcmp(license, "Dual BSD/GPL") == 0
              || strcmp(license, "Dual MIT/GPL") == 0
              || strcmp(license, "Dual MPL/GPL") == 0);
}
#endif

/* 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
 */
```

---

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

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1.74 ipmiutil 2.1.1

1.74.1 Available under license:

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### 1.75 blackduck-common-api 2019.12.0.4

#### 1.75.1 Available under license:

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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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Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

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[Misc C library code]

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

[zlib]

/* zlib.h -- interface of the 'zlib' general purpose compression library
 version 1.2.3, July 18th, 2005

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jloup@gzip.org          madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for
Comments) 1950 to 1952 in the files http://www.ietf.org/rfc/rfc1950.txt
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*/

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

[dialyzer]

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[eldap]

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1.92 integration-bdio 18.3.2

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 *
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1049595368_1591288854.28/0/integration-bdio-18-3-2-sources-jar/com/synopsys/integration/bdio/model/BdioId.java
* /opt/ws_local/PERMITS_SQL/1049595368_1591288854.28/0/integration-bdio-18-3-2-sources-jar/com/synopsys/integration/bdio/BdioNodeFactory.java
* /opt/ws_local/PERMITS_SQL/1049595368_1591288854.28/0/integration-bdio-18-3-2-sources-jar/com/synopsys/integration/bdio/BdioPropertyHelper.java
* /opt/ws_local/PERMITS_SQL/1049595368_1591288854.28/0/integration-bdio-18-3-2-sources-jar/com/synopsys/integration/bdio/dependencyid/StringDependencyId.java
* /opt/ws_local/PERMITS_SQL/1049595368_1591288854.28/0/integration-bdio-18-3-2-sources-jar/com/synopsys/integration/bdio/BdioProject.java
* /opt/ws_local/PERMITS_SQL/1049595368_1591288854.28/0/integration-bdio-18-3-2-sources-jar/com/synopsys/integration/bdio/model/SpdxCreator.java
* /opt/ws_local/PERMITS_SQL/1049595368_1591288854.28/0/integration-bdio-18-3-2-sources-jar/com/synopsys/integration/bdio/model/dependencyid/DependencyId.java
* /opt/ws_local/PERMITS_SQL/1049595368_1591288854.28/0/integration-bdio-18-3-2-sources-jar/com/synopsys/integration/bdio/graph/MutableMapDependencyGraph.java
* /opt/ws_local/PERMITS_SQL/1049595368_1591288854.28/0/integration-bdio-18-3-2-sources-jar/com/synopsys/integration/bdio/model/Forge.java
* /opt/ws_local/PERMITS_SQL/1049595368_1591288854.28/0/integration-bdio-18-3-2-sources-jar/com/synopsys/integration/bdio/model/BdioCreationInfo.java
* /opt/ws_local/PERMITS_SQL/1049595368_1591288854.28/0/integration-bdio-18-3-2-sources-jar/com/synopsys/integration/bdio/model/BdioReader.java
* /opt/ws_local/PERMITS_SQL/1049595368_1591288854.28/0/integration-bdio-18-3-2-sources-jar/com/synopsys/integration/bdio/model/dependencyid/NameVersionDependencyId.java
* /opt/ws_local/PERMITS_SQL/1049595368_1591288854.28/0/integration-bdio-18-3-2-sources-jar/com/synopsys/integration/bdio/graph/builder/LazyExternalIdDependencyGraphBuilder.java
* /opt/ws_local/PERMITS_SQL/1049595368_1591288854.28/0/integration-bdio-18-3-2-sources-jar/com/synopsys/integration/bdio/model/BdioExternalIdentifier.java
* /opt/ws_local/PERMITS_SQL/1049595368_1591288854.28/0/integration-bdio-18-3-2-sources-jar/com/synopsys/integration/bdio/graph/builder/MissingExternalIdException.java
* /opt/ws_local/PERMITS_SQL/1049595368_1591288854.28/0/integration-bdio-18-3-2-sources-jar/com/synopsys/integration/bdio/model/BdioRelationship.java
* /opt/ws_local/PERMITS_SQL/1049595368_1591288854.28/0/integration-bdio-18-3-2-sources-jar/com/synopsys/integration/bdio/model/BdioWriter.java
* /opt/ws_local/PERMITS_SQL/1049595368_1591288854.28/0/integration-bdio-18-3-2-sources-jar/com/synopsys/integration/bdio/model/BdioComponent.java
* /opt/ws_local/PERMITS_SQL/1049595368_1591288854.28/0/integration-bdio-18-3-2-sources-jar/com/synopsys/integration/bdio/graph/DependencyGraph.java
* /opt/ws_local/PERMITS_SQL/1049595368_1591288854.28/0/integration-bdio-18-3-2-sources-jar/com/synopsys/integration/bdio/model/externalid/ExternalId.java
* /opt/ws_local/PERMITS_SQL/1049595368_1591288854.28/0/integration-bdio-18-3-2-sources-jar/com/synopsys/integration/bdio/graph/MutableDependencyGraph.java
* /opt/ws_local/PERMITS_SQL/1049595368_1591288854.28/0/integration-bdio-18-3-2-sources-jar/com/synopsys/integration/bdio/model/externalid/ExternalIdFactory.java
* /opt/ws_local/PERMITS_SQL/1049595368_1591288854.28/0/integration-bdio-18-3-2-sources-jar/com/synopsys/integration/bdio/graph/builder/LazyBuilderMissingExternalIdHandler.java
* /opt/ws_local/PERMITS_SQL/1049595368_1591288854.28/0/integration-bdio-18-3-2-sources-jar/com/synopsys/integration/bdio/model/dependency/Dependency.java
* /opt/ws_local/PERMITS_SQL/1049595368_1591288854.28/0/integration-bdio-18-3-2-sources-jar/com/synopsys/integration/bdio/model/dependencyid/NameDependencyId.java
* /opt/ws_local/PERMITS_SQL/1049595368_1591288854.28/0/integration-bdio-18-3-2-sources-jar/com/synopsys/integration/bdio/graph/DependencyGraphCombiner.java
* /opt/ws_local/PERMITS_SQL/1049595368_1591288854.28/0/integration-bdio-18-3-2-sources-jar/com/synopsys/integration/bdio/model/BdioIdAdapter.java
1.93 apache-common-codec 1.11
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limitations under the License.
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!
A useful command to review the output is:
  % filterdiff -x \*\.c -x \*\.cc -x \*\.h -x \*\.exp updates.diff
This removes the bulk of the changes which are most likely to be correct.

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.

```python
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
```

```python
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]).
    os.environ["UPDATE_COPYRIGHT_USE_INTERVALS"] = '2'

    # 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).

```python
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..."
    MAX_LINES = 50

    fd = open(filename)

    lineno = 1
    for line in fd:
        if 'Copyright' in line:
            return True
        lineno += 1
        if lineno > MAX_LINES:
            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.
    # 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", "alocal.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/armemu.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/armcopro.c", "sim/arm/armemu.c",
    "sim/arm/kid.c", "sim/arm/thumbemu.c", "sim/arm/armdefs.h",
    "sim/arm/armopts.h", "sim/arm/dbg_cp.h", "sim/arm/dbg_rdi.h",
    "sim/arm/parent.c", "sim/arm/armsupp.c", "sim/arm/armrdi.c",
    "sim/arm/bag.c", "sim/arm/armvirt.c", "sim/arm/main.c", "sim/arm/bag.h",
    "sim/arm/communicate.c", "sim/arm/gdbhost.h", "sim/arm/armfpe.h",
    "sim/arm/arminit.c",
    "sim/common/cgen-fpu.c", "sim/common/cgen-fpu.h",
    "sim/common/cgen-acfp.c",
    "sim/mips/m16run.c", "sim/mips/sim-main.c",
    "sim/moxie/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/ld-insn.h",
)
if __name__ == "__main__":
    main()
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[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]

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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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<one line to give the library's name and a brief idea of what it does.>
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library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice
That's all there is to it!
/* 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 */

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#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 */

    
    #endif /* x86-bsd-nat.h */

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    @setfilename gpl
    @settitle GNU General Public License
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@example
@var{one line to give the program's name and a brief idea of what it does.}
Copyright (C) @var{year} @var{name of author}

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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

The hypothetical commands @samp{show w} and @samp{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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@c man end
BEGIN{ FS="";
       print "/\* ==> Do not modify this file!!  " \ 
".-.*- buffer-read-only: t -.*- vi" \ 
":set ro:";
       print " It is created automatically by copying.awk.”;
       print " Modify copying.awk instead. <==" \/
       print "";
       print "#include "defs.h"
       print "#include "command.h"
       print "#include "gdbcmd.h"
       print ""
       printk "static void show_copying_command (const char *, int);"
       printk ""
       printk "static void show_warranty_command (const char *, int);"
       printk ""
       printk "static void";
       printk "show_copying_command (const char *ignore, int from_tty);"
       printk ">
}
print "show_warranty_command (const char *ignore, int from_tty)";
print ":;"
}

END

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 " add_info ("warranty", show_warranty_command,";
print " add_info ("Conditions for redistributing copies of GDB."));"
print " add_info ("warranty", show_warranty_command,";
print " add_info ("Various kinds of warranty you do not have."));"
print "};"

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Version 2.1, February 1999

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/* BSD Kernel Data Access Library (libkvm) interface.

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

#define _KMEMUSER
#include "defs.h"
#include "cli/cli-cmds.h"
#include "command.h"
#include "frame.h"
#include "regcache.h"
#include "target.h"
#include "process-stratum-target.h"
#include "value.h"
#include "gdbcore.h"
#include "inferior.h"   /* for get_exec_file */
#include "gdbthread.h"

#include <fcntl.h>
#include <kvm.h>
#endif HAVE_NLIST_H
#include <nlist.h>
#endif
#include <paths.h>
#include "readline/readline.h"
#include <sys/param.h>
#include <sys/proc.h>
#ifdef HAVE_SYS_USER_H
#include <sys/user.h>
#endif

#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 process_stratum_target
{
    public:
        bsd_kvm_target () = default;

        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 HAVE_STRUCT_THREAD_TD_PCB

/* 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 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);
#endif HAVE_STRUCT_LWP
addr += offsetof (struct lwp, l_addr);
#else
addr += offsetof (struct proc, p_addr);
#endif

if (kvm_read (core_kw, addr, &bsd_kvm_paddr, sizeof bsd_kvm_paddr) == -1)
    error ("%s", kvm_geterr (core_kw));

target_fetch_registers (get_current_regcache (), -1);

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

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_kw == 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, _("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);
}
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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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1.96 zlib 1.2.8
1.96.1 Available under license :

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

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*/
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1.97 libusb 1.0.9
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1.98 glib 2.46.2
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/*                        *                */
/* Perl-Compatible Regular Expressions */
/*                        */

/* This is the public header file for the PCRE library, to be #included by applications that call the PCRE functions.

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*/

#ifndef _PCRE_H
#define _PCRE_H

/* The current PCRE version information. */

#define PCRE_MAJOR 8
#define PCRE_MINOR 31
#define PCRE_PRERELEASE
#define PCRE_DATE 2012-07-06

/* When an application links to a PCRE DLL in Windows, the symbols that are
imported have to be identified as such. When building PCRE, the appropriate
export setting is defined in pcre_internal.h, which includes this file. So we
don't change existing definitions of PCRE_EXP_DECL and PCRECPP_EXPDECL. */

#if defined(_WIN32) && !defined(PCRE_STATIC)
# define PCRE_EXP_DECL extern __declspec(dllimport)
# endif
# ifdef __cplusplus
# define PCRECPP_EXP_DECL extern __declspec(dllimport)
# define PCRECPP_EXP_DEFN __declspec(dllimport)
# endif

/* By default, we use the standard "extern" declarations. */

#if defined(PCRE_EXPDECL)
# ifdef __cplusplus
# define PCRE_EXPDECL extern "C"
# else
# define PCRE_EXPDECL extern
# endif
#else

#endif
/* Have to include stdlib.h in order to ensure that size_t is defined; it is needed here for malloc. */

#include <stdlib.h>

/* Allow for C++ users */

#ifdef __cplusplus
extern "C" {
#endif

/* Options. Some are compile-time only, some are run-time only, and some are both, so we keep them all distinct. However, almost all the bits in the options word are now used. In the long run, we may have to re-use some of the compile-time only bits for runtime options, or vice versa. In the comments below, "compile", "exec", and "DFA exec" mean that the option is permitted to be set for those functions; "used in" means that an option may be set only for compile, but is subsequently referenced in exec and/or DFA exec. Any of the compile-time options may be inspected during studying (and therefore JIT compiling). */

#define PCRE_CASELESS     0x00000001 /* Compile */
define PCRE_MULTILINE  0x00000002 /* Compile */
define PCRE_DOTALL     0x00000004 /* Compile */
define PCRE_EXTENDED   0x00000008 /* Compile */
define PCRE_ANCHORED   0x00000010 /* Compile, exec, DFA exec */
define PCRE_DOLLAR_ENDONLY  0x00000020 /* Compile, used in exec, DFA exec */
define PCRE_EXTRA      0x00000040 /* Compile */
define PCRE_NOTBOL     0x00000080 /* Exec, DFA exec */
define PCRE_NOTEOL     0x00000100 /* Exec, DFA exec */
define PCRE_UNGREEDY   0x00000200 /* Compile */
define PCRE_NOTEMPTY   0x00000400 /* Exec, DFA exec */
define PCRE_UTF8       0x00000800 /* Compile (same as PCRE_UTF16) */
define PCRE_UTF16      0x00000800 /* Compile (same as PCRE_UTF8) */
define PCRE_NO_AUTO_CAPTURE 0x00001000 /* Compile */
/* The next two are also used in exec and DFA exec */
define PCRE_UTF8       0x00000800 /* Compile (same as PCRE_UTF16) */
define PCRE_UTF16      0x00000800 /* Compile (same as PCRE_UTF8) */
define PCRE_NO_AUTO_CAPTURE 0x00001000 /* Compile */
/* The next two are also used in exec and DFA exec */

#ifdef __cplusplus
}
#endif
#define PCRE_NO_UTF8_CHECK 0x00002000 /* Compile (same as PCRE_NO_UTF16_CHECK) */
#define PCRE_NO_UTF16_CHECK 0x00002000 /* Compile (same as PCRE_NO_UTF8_CHECK) */
#define PCRE_AUTO_CALLOUT 0x00004000 /* Compile */
#define PCRE_PARTIAL_SOFT 0x00008000 /* Exec, DFA exec */
#define PCRE_PARTIAL 0x00008000 /* Backwards compatible synonym */
#define PCRE_DFA_SHORTEST 0x00010000 /* DFA exec */
#define PCRE_DFA_RESTART 0x00020000 /* DFA exec */
#define PCRE_FIRSTLINE 0x00040000 /* Compile, used in exec, DFA exec */
#define PCRE_DUPNAMES 0x00080000 /* Compile */
#define PCRE_NEWLINE_CR 0x00100000 /* Compile, exec, DFA exec */
#define PCRE_NEWLINE_LF 0x00200000 /* Compile, exec, DFA exec */
#define PCRE_NEWLINE_CRLF 0x00300000 /* Compile, exec, DFA exec */
#define PCRE_NEWLINE_ANY 0x00400000 /* Compile, exec, DFA exec */
#define PCRE_NEWLINE_ANYCRLF 0x00500000 /* Compile, exec, DFA exec */
#define PCRE_BSR_ANYCRLF 0x00800000 /* Compile, exec, DFA exec */
#define PCRE_BSR_UNICODE 0x01000000 /* Compile, exec, DFA exec */
#define PCRE_JAVASCRIPT_COMPAT 0x02000000 /* Compile, used in exec */
#define PCRE_NO_START_OPTIMIZE 0x04000000 /* Compile, exec, DFA exec */
#define PCRE_NO_START_OPTIMISE 0x04000000 /* Synonym */
#define PCRE_PARTIAL_HARD 0x08000000 /* Exec, DFA exec */
#define PCRE_NOTEMPTY_ATSTART 0x10000000 /* Exec, DFA exec */
#define PCRE_UCP 0x20000000 /* Compile, used in exec, DFA exec */

/* Exec-time and get/set-time error codes */

#define PCRE_ERROR_NOMATCH (-1)
#define PCRE_ERROR_NULL (-2)
#define PCRE_ERROR_BADOPTION (-3)
#define PCRE_ERROR_BADMAGIC (-4)
#define PCRE_ERROR_UNKNOWN_OPCODE (-5)
#define PCRE_ERROR_UNKNOWN_NODE (-5) /* For backward compatibility */
#define PCRE_ERROR_NOMEMORY (-6)
#define PCRE_ERROR_NOSUBSTRING (-7)
#define PCRE_ERROR_MATCHLIMIT (-8)
#define PCRE_ERROR_CALLOUT (-9) /* Never used by PCRE itself */
#define PCRE_ERROR_BADUTF8 (-10) /* Same for 8/16 */
#define PCRE_ERROR_BADUTF16 (-10) /* Same for 8/16 */
#define PCRE_ERROR_BADUTF8_OFFSET (-11) /* Same for 8/16 */
#define PCRE_ERROR_BADUTF16_OFFSET (-11) /* Same for 8/16 */
#define PCRE_ERROR_PARTIAL (-12)
#define PCRE_ERROR_BADPARTIAL (-13)
#define PCRE_ERROR_INTERNAL (-14)
#define PCRE_ERROR_BADCOUNT (-15)
#define PCRE_ERROR_DFA_UITEM (-16)
#define PCRE_ERROR_DFA_UCOND (-17)
#define PCRE_ERROR_DFA_UMLIMIT (-18)
#define PCRE_ERROR_DFA_WSSIZE (-19)
#define PCRE_ERROR_DFA_RECURSE (-20)
#define PCRE_ERROR_RECURSIONLIMIT (-21)
#define PCRE_ERROR_NULLWSLIMIT     (-22) /* No longer actually used */
#define PCRE_ERROR_BADNEWLINE      (-23)
#define PCRE_ERROR_BADOFFSET       (-24)
#define PCRE_ERROR_SHORTUTF8       (-25)
#define PCRE_ERROR_SHORTUTF16      (-25) /* Same for 8/16 */
#define PCRE_ERROR_RECURSELOOP     (-26)
#define PCRE_ERROR_JIT_STACKLIMIT  (-27)
#define PCRE_ERROR_BADMODE         (-28)
#define PCRE_ERROR_BADENDIANNESS   (-29)
#define PCRE_ERROR_DFA_BADRESTART  (-30)

/* Specific error codes for UTF-8 validity checks */
#define PCRE_UTF8_ERR0               0
#define PCRE_UTF8_ERR1               1
#define PCRE_UTF8_ERR2               2
#define PCRE_UTF8_ERR3               3
#define PCRE_UTF8_ERR4               4
#define PCRE_UTF8_ERR5               5
#define PCRE_UTF8_ERR6               6
#define PCRE_UTF8_ERR7               7
#define PCRE_UTF8_ERR8               8
#define PCRE_UTF8_ERR9               9
#define PCRE_UTF8_ERR10             10
#define PCRE_UTF8_ERR11             11
#define PCRE_UTF8_ERR12             12
#define PCRE_UTF8_ERR13             13
#define PCRE_UTF8_ERR14             14
#define PCRE_UTF8_ERR15             15
#define PCRE_UTF8_ERR16             16
#define PCRE_UTF8_ERR17             17
#define PCRE_UTF8_ERR18             18
#define PCRE_UTF8_ERR19             19
#define PCRE_UTF8_ERR20             20
#define PCRE_UTF8_ERR21             21

/* Specific error codes for UTF-16 validity checks */
#define PCRE_UTF16_ERR0              0
#define PCRE_UTF16_ERR1              1
#define PCRE_UTF16_ERR2              2
#define PCRE_UTF16_ERR3              3
#define PCRE_UTF16_ERR4              4

/* Request types for pcre_fullinfo() */
#define PCRE_INFO_OPTIONS            0
#define PCRE_INFO_SIZE               1
#define PCRE_INFO_CAPTURECOUNT       2
#define PCRE_INFO_BACKREFMAX         3
#define PCRE_INFO_FIRSTBYTE          4
#define PCRE_INFO_FIRSTCHAR          4  /* For backwards compatibility */
#define PCRE_INFO_FIRSTTABLE         5
#define PCRE_INFO_LASTLITERAL        6
#define PCRE_INFO_NAMEENTRYSIZE      7
#define PCRE_INFO_NAMECOUNT          8
#define PCRE_INFO_NAMETABLE          9
#define PCRE_INFO_STUDYSIZE         10
#define PCRE_INFO_DEFAULT_TABLES    11
#define PCRE_INFO_OKPARTIAL         12
#define PCRE_INFO_JCHANGED          13
#define PCRE_INFO_HASCRORLF         14
#define PCRE_INFO_MINLENGTH         15
#define PCRE_INFO_JIT               16
#define PCRE_INFO_JITSIZE           17
#define PCRE_INFO_MAXLOOKBEHIND     18

/* Request types for pcre_config(). Do not re-arrange, in order to remain compatible. */

#define PCRE_CONFIG_UTF8                    0
#define PCRE_CONFIG_NEWLINE                 1
#define PCRE_CONFIG_LINK_SIZE               2
#define PCRE_CONFIG_POSIX_MALLOC_THRESHOLD  3
#define PCRE_CONFIG_MATCH_LIMIT             4
#define PCRE_CONFIG_STACKRECURSE            5
#define PCRE_CONFIG_UNICODE_PROPERTIES      6
#define PCRE_CONFIG_MATCH_LIMIT_RECURSION   7
#define PCRE_CONFIG_BSR                     8
#define PCRE_CONFIG_JIT                     9
#define PCRE_CONFIG_UTF16                  10
#define PCRE_CONFIG_JITTARGET              11

/* Request types for pcre_study(). Do not re-arrange, in order to remain compatible. */

#define PCRE_STUDY_JIT_COMPILE                0x0001
#define PCRE_STUDY_JIT_PARTIAL_SOFT_COMPILE   0x0002
#define PCRE_STUDY_JIT_PARTIAL_HARD_COMPILE   0x0004

/* Bit flags for the pcre[16]_extra structure. Do not re-arrange or redefine these bits, just add new ones on the end, in order to remain compatible. */

#define PCRE_EXTRA_STUDY_DATA             0x0001
#define PCRE_EXTRA_MATCH_LIMIT            0x0002
/* Types */

struct real_pcre;        /* declaration; the definition is private */
typedef struct real_pcre pcre;

struct real_pcre16;      /* declaration; the definition is private */
typedef struct real_pcre16 pcre16;

struct real_pcre_jit_stack; /* declaration; the definition is private */
typedef struct real_pcre_jit_stack pcre_jit_stack;

struct real_pcre16_jit_stack; /* declaration; the definition is private */
typedef struct real_pcre16_jit_stack pcre16_jit_stack;

/* If PCRE is compiled with 16 bit character support, PCRE_UCHAR16 must contain a 16 bit wide signed data type. Otherwise it can be a dummy data type since pcre16 functions are not implemented. There is a check for this in pcre_internal.h. */
#ifndef PCRE_UCHAR16
#define PCRE_UCHAR16 unsigned short
#endif

#ifndef PCRE_SPTR16
#define PCRE_SPTR16 const PCRE_UCHAR16 *
#endif

/* When PCRE is compiled as a C++ library, the subject pointer type can be replaced with a custom type. For conventional use, the public interface is a const char *. */
#ifndef PCRE_SPTR
#define PCRE_SPTR const char *
#endif

/* The structure for passing additional data to pcre_exec(). This is defined in such a way as to be extensible. Always add new fields at the end, in order to remain compatible. */
typedef struct pcre_extra {
    unsigned long int flags;        /* Bits for which fields are set */
    void *study_data;               /* Opaque data from pcre_study() */
    unsigned long int match_limit;  /* Maximum number of calls to match() */
    void *callout_data;             /* Data passed back in callouts */
};
const unsigned char *tables; /* Pointer to character tables */
unsigned long int match_limit_recursion; /* Max recursive calls to match() */
unsigned char **mark; /* For passing back a mark pointer */
void *executable_jit; /* Contains a pointer to a compiled jit code */
}
pcre_extra;

/* Same structure as above, but with 16 bit char pointers. */

typedef struct pcre16_extra {
unsigned long int flags; /* Bits for which fields are set */
void *study_data; /* Opaque data from pcre_study() */
unsigned long int match_limit; /* Maximum number of calls to match() */
void *callout_data; /* Data passed back in callouts */
const unsigned char *tables; /* Pointer to character tables */
unsigned long int match_limit_recursion; /* Max recursive calls to match() */
PCRE_UCHAR16 **mark; /* For passing back a mark pointer */
void *executable_jit; /* Contains a pointer to a compiled jit code */
} pcre16_extra;

/* The structure for passing out data via the pcre_callout_function. We use a
structure so that new fields can be added on the end in future versions,
without changing the API of the function, thereby allowing old clients to work
without modification. */

typedef struct pcre_callout_block {
int version; /* Identifies version of block */
/* ------------------------ Version 0 ------------------------------- */
int callout_number; /* Number compiled into pattern */
int *offset_vector; /* The offset vector */
PCRE_SPTR subject; /* The subject being matched */
int subject_length; /* The length of the subject */
int start_match; /* Offset to start of this match attempt */
int current_position; /* Where we currently are in the subject */
int capture_top; /* Max current capture */
int capture_last; /* Most recently closed capture */
void *callout_data; /* Data passed in with the call */
/* ------------------- Added for Version 1 -------------------------- */
int pattern_position; /* Offset to next item in the pattern */
int next_item_length; /* Length of next item in the pattern */
/* ------------------- Added for Version 2 -------------------------- */
const unsigned char *mark; /* Pointer to current mark or NULL */
/* --------------------------------------------------------------- */
} pcre_callout_block;

/* Same structure as above, but with 16 bit char pointers. */

typedef struct pcre16_callout_block {
int version; /* Identifies version of block */
/* ------------------------ Version 0 ------------------------------- */
int callout_number; /* Number compiled into pattern */
int *offset_vector; /* The offset vector */
PCRE_UCHAR16 SPTR subject; /* The subject being matched */
int subject_length; /* The length of the subject */
int start_match; /* Offset to start of this match attempt */
int current_position; /* Where we currently are in the subject */
int capture_top; /* Max current capture */
int capture_last; /* Most recently closed capture */
void *callout_data; /* Data passed in with the call */
/* ------------------- Added for Version 1 -------------------------- */
int pattern_position; /* Offset to next item in the pattern */
int next_item_length; /* Length of next item in the pattern */
/* ------------------- Added for Version 2 -------------------------- */
const unsigned char *mark; /* Pointer to current mark or NULL */
/* --------------------------------------------------------------- */
} pcre16_callout_block;
/* ------------------------ Version 0 ------------------------------- */
int          callout_number;    /* Number compiled into pattern */
int         *offset_vector;     /* The offset vector */
PCRE_SPTR16  subject;           /* The subject being matched */
int         subject_length;    /* The length of the subject */
int         start_match;       /* Offset to start of this match attempt */
int         current_position;  /* Where we currently are in the subject */
int         capture_top;       /* Max current capture */
int         capture_last;      /* Most recently closed capture */
void        *callout_data;      /* Data passed in with the call */
/* ------------------- Added for Version 1 -------------------------- */
int         pattern_position;  /* Offset to next item in the pattern */
int         next_item_length;  /* Length of next item in the pattern */
/* ------------------- Added for Version 2 -------------------------- */
const PCRE_UCHAR16 *mark;       /* Pointer to current mark or NULL */
/* ------------------------------------------------------------------ */
}

/* Indirection for store get and free functions. These can be set to
alternative malloc/free functions if required. Special ones are used in the
non-recursive case for "frames". There is also an optional callout function
that is triggered by the (?) regex item. For Virtual Pascal, these definitions
have to take another form. */

#ifndef VPCOMPAT
PCRE_EXP_DECL void *(*pcre_malloc)(size_t);
PCRE_EXP_DECL void  (*pcre_free)(void *);
PCRE_EXP_DECL void *(*pcre_stack_malloc)(size_t);
PCRE_EXP_DECL void  (*pcre_stack_free)(void *);
PCRE_EXP_DECL int   (*pcre_callout)(pcre_callout_block *);
PCRE_EXP_DECL void *(*pcre16_malloc)(size_t);
PCRE_EXP_DECL void  (*pcre16_free)(void *);
PCRE_EXP_DECL void *(*pcre16_stack_malloc)(size_t);
PCRE_EXP_DECL void  (*pcre16_stack_free)(void *);
PCRE_EXP_DECL int   pcre16_callout(pcre16_callout_block *);
#else   /* VPCOMPAT */
PCRE_EXP_DECL void *pcre_malloc(size_t);
PCRE_EXP_DECL void  pcre_free(void *);
PCRE_EXP_DECL void *pcre_stack_malloc(size_t);
PCRE_EXP_DECL void  pcre_stack_free(void *);
PCRE_EXP_DECL int   pcre_callout(pcre_callout_block *);
PCRE_EXP_DECL void *pcre16_malloc(size_t);
PCRE_EXP_DECL void  pcre16_free(void *);
PCRE_EXP_DECL void *pcre16_stack_malloc(size_t);
PCRE_EXP_DECL void  pcre16_stack_free(void *);
PCRE_EXP_DECL int  pcre16_callout(pcre16_callout_block *);
#endif /* VPCOMPAT */
typedef pcre_jit_stack *(*pcre_jit_callback)(void *);
typedef pcre16_jit_stack *(*pcre16_jit_callback)(void *);

/* Exported PCRE functions */

PCRE_EXP_DECL pcre *pcre_compile(const char *, int, const char **, int *,
    const unsigned char *);
PCRE_EXP_DECL pcre16 *pcre16_compile(PCRE_SPTR16, int, const char **, int *,
    const unsigned char *);
PCRE_EXP_DECL pcre *pcre_compile2(const char *, int, int *, const char **,
    int *, const unsigned char *);
PCRE_EXP_DECL pcre16 *pcre16_compile2(PCRE_SPTR16, int, int *, const char **,
    int *, const unsigned char *);
PCRE_EXP_DECL int pcre_config(int, void *);
PCRE_EXP_DECL int pcre16_config(int, void *);
PCRE_EXP_DECL int pcre_copy_named_substring(const pcre *, const char *,
    int *, int, const char *, char *, int);
PCRE_EXP_DECL int pcre16_copy_named_substring(const pcre16 *, PCRE_SPTR16,
    int *, int, PCRE_SPTR16, PCRE_UCHAR16 *, int);
PCRE_EXP_DECL int pcre_copy_substring(const char *, int *, int, int,
    char *, int);
PCRE_EXP_DECL int pcre16_copy_substring(PCRE_SPTR16, int *, int, int,
    PCRE_UCHAR16 *, int);
PCRE_EXP_DECL int pcre_dfa_exec(const pcre *, const pcre_extra *,
    const char *, int, int, int, int *, int , int *, int);
PCRE_EXP_DECL int pcre16_dfa_exec(const pcre16 *, const pcre16_extra *,
    PCRE_SPTR16, int, int, int *, int , int *, int);
PCRE_EXP_DECL int pcre_exec(const pcre *, const pcre_extra *, PCRE_SPTR,
    int, int, int, int);
PCRE_EXP_DECL int pcre16_exec(const pcre16 *, const pcre16_extra *, PCRE_SPTR,
    int, int, int, int);
PCRE_EXP_DECL void pcre_free_substring(const char *);
PCRE_EXP_DECL void pcre16_free_substring(PCRE_SPTR16);
PCRE_EXP_DECL void pcre_free_substring_list(const char **);
PCRE_EXP_DECL void pcre16_free_substring_list(PCRE_SPTR16 *);
PCRE_EXP_DECL int pcre_fullinfo(const pcre *, const pcre_extra *, int,
    void *);
PCRE_EXP_DECL int pcre16_fullinfo(const pcre16 *, const pcre16_extra *, int,
    void *);
PCRE_EXP_DECL int pcre_get_named_substring(const pcre *, const char *,
    int *, int, const char *, const char **);
PCRE_EXP_DECL int pcre16_get_named_substring(const pcre16 *, PCRE_SPTR16,
    int *, int, PCRE_SPTR16, PCRE_SPTR16 *);
PCRE_EXP_DECL int pcre_get_stringnumber(const pcre *, const char *);
PCRE_EXP_DECL int pcre16_get_stringnumber(const pcre16 *, PCRE_SPTR16);
PCRE_EXP_DECL int pcre_get_stringtable_entries(const pcre *, const char *,
char **, char **);
PCRE_EXP_DECL int pcre16_get_stringtable_entries(const pcre16 *, PCRE_SPTR16,
PCRE_UCHAR16 **, PCRE_UCHAR16 **);
PCRE_EXP_DECL int pcre_get_substring(const char *, int *, int, int,
const char **);
PCRE_EXP_DECL int pcre16_get_substring(PCRE_SPTR16, int *, int, int,
PCRE_SPTR16 *);
PCRE_EXP_DECL int pcre_get_substring_list(const char *, int *, int, int,
const char **);
PCRE_EXP_DECL int pcre16_get_substring_list(PCRE_SPTR16, int *, int,
PCRE_SPTR16 **);
PCRE_EXP_DECL const unsigned char *pcre_maketables(void);
PCRE_EXP_DECL const unsigned char *pcre16_maketables(void);
PCRE_EXP_DECL int pcre_refcount(pcre *, int);
PCRE_EXP_DECL int pcre16_refcount(pcre16 *, int);
PCRE_EXP_DECL pcre_extra *pcre_study(const pcre *, int, const char **);
PCRE_EXP_DECL pcre16_extra *pcre16_study(const pcre16 *, int, const char **);
PCRE_EXP_DECL void pcre_free_study(pcre_extra *);
PCRE_EXP_DECL void pcre16_free_study(pcre16_extra *);
PCRE_EXP_DECL const char *pcre_version(void);
PCRE_EXP_DECL const char *pcre16_version(void);

/* Utility functions for byte order swaps. */
PCRE_EXP_DECL int pcre_pattern_to_host_byte_order(pcre *, pcre_extra *,
const unsigned char *);
PCRE_EXP_DECL int pcre16_pattern_to_host_byte_order(pcre16 *, pcre16_extra *,
const unsigned char *);
PCRE_EXP_DECL int pcre16_utf16_to_host_byte_order(PCRE_UCHAR16 *,
PCRE_SPTR16, int, int *, int);

/* JIT compiler related functions. */
PCRE_EXP_DECL pcre_jit_stack *pcre_jit_stack_alloc(int, int);
PCRE_EXP_DECL pcre16_jit_stack *pcre16_jit_stack_alloc(int, int);
PCRE_EXP_DECL void pcre_jit_stack_free(pcre_jit_stack *);
PCRE_EXP_DECL void pcre16_jit_stack_free(pcre16_jit_stack *);
PCRE_EXP_DECL void pcre_assign_jit_stack(pcre_extra *,
pcre_jit_callback, void *);
PCRE_EXP_DECL void pcre16_assign_jit_stack(pcre16_extra *,
pcre16_jit_callback, void *);

#ifndef __cplusplus
}  /* extern "C" */
#endif
#endif /* End of pcre.h */
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#ifndef __G_LIB_H__
#define __G_LIB_H__

#define __GLIB_H_INSIDE__

#include <glib/galloca.h>
#include <glib/garray.h>
#include <glib/gasyncqueue.h>
#include <glib/gatomic.h>
#include <glib/gbacktrace.h>
#include <glib/gbase64.h>
#include <glib/gbitlock.h>
#include <glib/gbookmarkfile.h>
#include <glib/gbytes.h>
#include <glib/gcharset.h>
#include <glib/gchecksum.h>
#include <glib/gconvert.h>
#include <glib/gdataset.h>
#include <glib/gdate.h>
#include <glib/gdatetime.h>
#include <glib/gdir.h>
#include <glib/genviron.h>
#include <glib/gerror.h>
#include <glib/gfileutils.h>
#include <glib/ggettext.h>
#include <glib/ghash.h>
#include <glib/ghmac.h>
#include <glib/ghook.h>
#include <glib/ghostutils.h>
#include <glib/iochannel.h>
#include <glib/gkeyfile.h>
#include <glib/glist.h>
#include <glib/gmacros.h>
#include <glib/gmain.h>
#include <glib/gmappedfile.h>
#include <glib/gmarkup.h>
#include <glib/gmem.h>
#include <glib/gmessages.h>
#include <glib/gnode.h>
#include <glib/goption.h>
#include <glib/gpattern.h>
#include <glib/gpoll.h>
#include <glib/gprimes.h>
#include <glib/gqsort.h>
#include <glib/gquark.h>
#include <glib/gqueue.h>
#include <glib/grand.h>
#include <glib/gregex.h>
#include <glib/gscanner.h>
#include <glib/gshell.h>
#include <glib/gslice.h>
#include <glib/gslist.h>
#include <glib/gspawn.h>
#include <glib/gstrfuncs.h>
#include <glib/gstring.h>
#include <glib/gstringchunk.h>
#include <glib/gtestutils.h>
#include <glib/gthread.h>
#include <glib/gthreadpool.h>
#include <glib/gthread.h>
#include <glib/gtime.h>
#include <glib/gtimezone.h>
#include <glib/gtrashstack.h>
#include <glib/gtree.h>
#include <glib/gtypes.h>
#include <glib/gunicode.h>
#include <glib/gurifuncs.h>
#include <glib/gutils.h>
#include <glib/gvariant.h>
#include <glib/gvariant.type.h>
#include <glib/gvariant.h>
#include <glib/gvibration.h>
#include <glib/gversion.h>
#include <glib/gversionmacros.h>
#if defined G_PLATFORM_WIN32
#include <glib/gwin32.h>
#endif

#if defined G_DISABLE_DEPRECATED
#include <glib/deprecated/gallocator.h>
#include <glib/deprecated/gccache.h>
#include <glib/deprecated/gcompletion.h>
#include <glib/deprecated/gmain.h>
#include <glib/deprecated/gerl.h>
#include <glib/deprecated/gthread.h>
#endif /* G_DISABLE_DEPRECATED */

#include <glib/glib-autocleanups.h>

#define __GLIB_H_INSIDE__

#endif /* __G_LIB_H__ */
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1.99 curl 7.51.0

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1.100 integration-common 19.0.0
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No license file was found, but licenses were detected in source scan.

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 */
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*/

Found in path(s):

1.101 apache-http-client 4.5.10

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1.103 kotlin-stdlib 1.3.31

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file name: UBiDiProps.java
encoding: US-ASCII
tab size: 8 (not used)
indentation:4

created on: 2005jan16
created by: Markus W. Scherer

Low-level Unicode bidi/shaping properties access.
* Java port of ubidi_props.h/.c.

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<code>Replaceable</code> is an interface representing a string of characters that supports the replacement of a range of itself with a new string of characters. It is used by APIs that change a piece of text while retaining metadata. Metadata is data other than the Unicode characters returned by char32At(). One example of metadata is style attributes; another is an edit history, marking each character with an author and revision number.

An implicit aspect of the <code>Replaceable</code> API is that during a replace operation, new characters take on the metadata of the old characters. For example, if the string "the <b>bold</b> font" has range (4, 8) replaced with "strong", then it becomes "the <b>strong</b> font".

<code>Replaceable</code> specifies ranges using a start offset and a limit offset. The range of characters thus specified includes the characters at offset start..limit-1. That is, the start offset is inclusive, and the limit offset is exclusive.

<code>Replaceable</code> also includes API to access characters in the string: <code>length()</code>, <code>charAt()</code>, <code>char32At()</code>, and <code>extractBetween()</code>.

For a subclass to support metadata, typical behavior of <code>replace()</code> is the following:

- Set the metadata of the new text to the metadata of the first character replaced
- If no characters are replaced, use the metadata of the previous character
- If there is no previous character (i.e. start == 0), use the following character
- If there is no following character (i.e. the replaceable was empty), use default metadata
If the code point U+FFFF is seen, it should be interpreted as a special marker having no metadata.

If this is not the behavior, the subclass should document any differences.

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@author Alan Liu
@stable ICU 2.0

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ReplaceableString is an adapter class that implements the Replaceable API around an ordinary StringBuffer.

Note: This class does not support attributes and is not intended for general use. Most clients will need to implement Replaceable in their text representation class.

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@see Replaceable
@author Alan Liu
@stable ICU 2.0

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import java.io.Serializable;

/**
 * Legacy security code; do not use.
 */
public abstract class Permission implements Guard, Serializable {
    public Permission(String name) { }

    public final String getName() { return null; }

    public void checkGuard(Object obj) throws SecurityException { }

    public PermissionCollection newPermissionCollection() {
        return new AllPermissionCollection();
    }
}
public abstract String getActions();

public abstract boolean implies(Permission permission);
}

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**1.122 integration-common 11.1.1**

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```java
keystoreIC@srxjavax.crypto.SealedObject>6=Tp
encodedParams[B][encryptedContentq~LparamsAlgtjava/lang/String;LsealAlgq~xpur[BTxp0
v"juq~FD&dHf=$OX'G4:+;X/GbA1Rj~DL+tPBEtPBEWithMD5AndTripleDES'y5Uj"n"
keystoreIC9Hsr3com.sun.crypto.provider.SealedObjectForKeyProtectorWY0Sxrxjavax.crypto.SealedObject>6=Tp[
encodedParams[B][encryptedContentq~LparamsAlgtjava/lang/String;LsealAlgq~xpur[BTxp0
>|u9uq~>g%_"dl4/[NiO<];#>SHFM<Qb<J}Kd9ua@"%[B*LQ5g?L}"%_+z
~F~a][d=%WMVlq*y*.Rg
ME
J:wLKitPBEWithMD5AndTripleDESfPBEWithMD5AndTripleDES&WR~w
```

**1.123 polaris-common-api 0.0.9**

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/**
 * polaris-common-api
 * 
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*/

package com.synopsys.integration.polaris.common.api.auth.model;

import com.synopsys.integration.polaris.common.api.PolarisComponent;

import com.google.gson.TypeAdapter;
import com.google.gson.annotations.JsonAdapter;
import com.google.gson.annotations.SerializedName;
import com.google.gson.stream.JsonReader;
import com.google.gson.stream.JsonWriter;
import java.io.IOException;
import java.time.OffsetDateTime;
import java.util.HashMap;
import java.util.Map;
import java.util.UUID;

// this file should not be edited - if changes are necessary, the generator should be updated, then this file should be re-created

public class License extends PolarisComponent {
    @SerializedName("id")
    private UUID id;

    @SerializedName("name")
    private String name;

    @SerializedName("organization")
    private String organization;

    /**
     * Gets or Sets type
     */
    @JsonAdapter(TypeEnum.Adapter.class)
    public enum TypeEnum {
        PAID("PAID"),
        FREE("FREE");
    }
private final String value;

typeEnum(final String value) {
    this.value = value;
}

public String getValue() {
    return value;
}

@override
public String toString() {
    return String.valueOf(value);
}

public static TypeEnum fromValue(final String text) {
    for (final TypeEnum b : TypeEnum.values()) {
        if (String.valueOf(b.value).equals(text)) {
            return b;
        }
    }
    return null;
}

public static class Adapter extends TypeAdapter<TypeEnum> {
    @Override
    public void write(final JsonWriter jsonWriter, final TypeEnum enumeration) throws IOException {
        jsonWriter.value(enumeration.getValue());
    }

    @Override
    public TypeEnum read(final JsonReader jsonReader) throws IOException {
        final String value = jsonReader.nextString();
        return TypeEnum.fromValue(String.valueOf(value));
    }
}

@SerializedName("type")
private TypeEnum type;

@SerializedName("revoked")
private Boolean revoked;

@SerializedName("limits")
private final Map<String, PeriodOfUse> limits = new HashMap<>();

@SerializedName("issued-date")
private OffsetDateTime issuedDate;

@SerializedName("issued-to")
private String issuedTo;

@SerializedName("claimed-date")
private OffsetDateTime claimedDate;

@SerializedName("issued-by")
private String issuedBy;

@SerializedName("seat-count")
private Integer seatCount;

@SerializedName("revoked-date")
private OffsetDateTime revokedDate;

/**
 * Get id
 * @return id
 */
public UUID getId() {
    return id;
}

/**
 * Get name
 * @return name
 */
public String getName() {
    return name;
}

/**
 * Get organization
 * @return organization
 */
public String getOrganization() {
    return organization;
}

public void setOrganization(final String organization) {
    this.organization = organization;
}

/**
 * Get type
 * @return type
 */
public TypeEnum getType() {
    return type;
}

public Boolean getRevoked() {
    return revoked;
}

public Map<String, PeriodOfUse> getLimits() {
    return limits;
}

public OffsetDateTime getIssuedDate() {
    return issuedDate;
}

public String getIssuedTo() {
    return issuedTo;
}

public OffsetDateTime getClaimedDate() {
    return claimedDate;
}

public OffsetDateTime getIssuedBy() {
    return issuedBy;
}
public String getIssuedBy() {
    return issuedBy;
}

/**
 * Get seatCount
 * minimum: 0
 * @return seatCount
 */
public Integer getSeatCount() {
    return seatCount;
}

/**
 * Get revokedDate
 * @return revokedDate
 */
public OffsetDateTime getRevokedDate() {
    return revokedDate;
}


1.124 log4j-api 2.12.1

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1.128 jackson-core 2.10.0
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1.129 slf4j-api-module 1.7.25

1.130 apache-commons-logging 1.2

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1.131 ncurses 5.9

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1.132 ipmi-tool 1.8.9
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Julian Seward, Cambridge, UK.
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bzip2/libbzip2 version 1.0.2 of 30 December 2001

1.136 nfs-utils 1.1.1
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$OpenLDAP: pkg/ldap/libraries/liblutil/base64.c,v 1.15 2006/01/03 22:12:11 kurt Exp $
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1.138 zjsonpatch 0.4.8
1.138.1 Available under license :

```java
package com.flipkart.zjsonpatch;

import com.fasterxml.jackson.databind.JsonNode;
import java.util.EnumSet;

class CopyingApplyProcessor extends InPlaceApplyProcessor {

    CopyingApplyProcessor(JsonNode target) {
        this(target, CompatibilityFlags.defaults());
    }

    CopyingApplyProcessor(JsonNode target, EnumSet<CompatibilityFlags> flags) {
        super(target.deepCopy(), flags);
    }
}
```

1.139 e2fsprogs 1.38
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Theodore Ts'o
23-June-2007

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/

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/*/ 
Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
          Rev: 23371
 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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**library. This does NOT imply that all of Samba is released**

# 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.

# 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 Fri Dec 14 22:24:35 EST 2007

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

http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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Gadi Oxman, August 1995

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written by Theodore Ts'o <tytso@mit.edu> and Remy Card
<card@masi.ibp.fr>.

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1.142 kotlin-stdlib-common 1.3.31

1.143 popt 1.5
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1.145 ntp 4.2.8p10

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Viraj Bais <vbais@mailman1.intel.com> and Clayton Kirkwood <kirkwood@striderfm.intel.com> port to WindowsNT 3.5.

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GPSVME fixes

Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option

Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up recvbuf and iosignal code into separate modules.

Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver

Piete Brooks <Piete.Brooks@cl.cam.ac.uk> MSF clock driver, Trimble PARSE support

Nelson B Bolyard <nelson@bolyard.me> update and complete broadcast and crypto features in sntp

Jean-Francois Boudreault <Jean-Francois.Boudreault@viagenie.qc.ca> IPv6 support

Reg Clemens <reg@dwf.com> Oncore driver (Current maintainer)

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<GENERIC> (driver 14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup,
dynamic interface handling</li>
<li>  
  
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<li>  
  
  <a href="mailto:kuehn@ntp.org">Johannes Maximilian Kuehn <kuehn@ntp.org></a> Rewrote <tt>sntp</tt> to comply with NTPv4 specification, <tt>ntpq saveconfig</tt></li>
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  <a href="mailto:jones@hermes.chpc.utexas.edu">William L. Jones <jones@hermes.chpc.utexas.edu</a> RS/6000 AIX modifications, HPUX modifications</li>
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  <a href="mailto:kuehn@ntp.org">Johannes Maximilian Kuehn <kuehn@ntp.org></a> Rewrote <tt>sntp</tt> to comply with NTPv4 specification, <tt>ntpq saveconfig</tt></li>
<li>  
  
  <a href="mailto:jones@hermes.chpc.utexas.edu">William L. Jones <jones@hermes.chpc.utexas.edu</a> RS/6000 AIX modifications, HPUX modifications</li>
makeover, various other bits (see the ChangeLog)</li>
<li><a href="mailto:ken@sdd.hp.com">Kenneth Stone <ken@sdd.hp.com></a> HP-UX port</li>
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<li><a href="mailto:vixie@vix.com">Paul A Vixie <vixie@vix.com></a> TrueTime GPS driver, generic TrueTime clock driver</li>
<li><a href="mailto:Ulrich.Windl@rz.uni-regensburg.de">Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de></a> Corrected and validated HTML documents according to the HTML DTD</li>
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19. [20] John Hay <jhay@icomtek.csir.co.za> IPv6 support and testing
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29. [32] Johannes Maximilian Kuehn <kuehn@ntp.org> Rewrote sntp to comply with NTPv4 specification, ntpq saveconfig
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