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1.3 elfutils 0.175

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

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

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

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

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

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

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

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

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

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.
It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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

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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:
Mike Belshe (mbelshe@netscape.com)
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===================================================================
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@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
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# BSIDLIB_VERSION = 1.0
# BSIDLIB_IMAGE = libce
# BSIDLIB_MYDIR = et
# BSIDLIB_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 <ttyso@mit.edu> on Sat Mar 15 15:33:37 EST 2003
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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This is the Debian GNU/Linux prepackaged version of the ss
cmd-line interface parsing library. It is currently
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otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
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Gadi Oxman, August 1995

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

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

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

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

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

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

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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1.18 libcap 2.25

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Found in path(s):
* /opt/cola/permits/1090868408_1602700218.19/0/protobuf-3-6-1-1-tar-gz/protobuf-3.6.1/google/protobuf/__init__.py

1.25 jboss-logging 3.1.1.GA
1.25.1 Available under license:

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strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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From strings/apr_snprintf.c:

*  *
* cvt - IEEE floating point formatting routines.
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*  *

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1.30 json-c 0.13.1
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1.31 lasso 2.5.1

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1.32 tdb 2007-06-22

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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

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### 1.35 libyaml 0.2.1

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1.36 libunistring 0.9.10

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@heading How to Apply These Terms to Your New Programs

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@end smallexample

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1.38 linux-kernel 4.18.45

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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 *
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
* interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
*
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
*
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
*    combined, allow nicstar_free_rx_skb to be called to
*    recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
*
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*
* M. Welsh, 6 July 1996
* *
*/

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/*      $OpenBSD: errno.h,v 1.20 2007/09/03 14:37:52 millert Exp $      */
/*      $NetBSD: errno.h,v 1.10 1996/01/20 01:33:53 jtc Exp $   */

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*
* @(#)errno.h 8.5 (Berkeley) 1/21/94
*/

#define TARGET_EPERM 1       /* Operation not permitted */
#define TARGET_ENOENT 2      /* No such file or directory */
#define TARGET_ESRCH 3       /* No such process */
#define TARGET_EINTR 4       /* Interrupted system call */
#define TARGET_EIO 5         /* Input/output error */
#define TARGET_ENXIO 6       /* Device not configured */
#define TARGET_E2BIG 7       /* Argument list too long */
#define TARGET_ENOEXEC 8     /* Exec format error */
#define TARGET_EBADF 9       /* Bad file descriptor */
#define TARGET_ECHILD 10     /* No child processes */
#define TARGET_EDEADLK 11    /* Resource deadlock avoided */
*/ 11 was EAGAIN */
#define TARGET_ENOMEM 12     /* Cannot allocate memory */
#define TARGET_EACCES 13     /* Permission denied */
#define TARGET_EFAULT 14     /* Bad address */
#define TARGET_ENOTBLK 15    /* Block device required */
#define TARGET_EBUSY 16      /* Device busy */
#define TARGET_EEXIST 17     /* File exists */
#define TARGET_EXDEV 18      /* Cross-device link */
#define TARGET_ENODEV 19     /* Operation not supported by device */
#define TARGET_ENOTDIR 20    /* Not a directory */
#define TARGET_EISDIR 21     /* Is a directory */
#define TARGET_EINVAL 22     /* Invalid argument */
#define TARGET_ENFILE 23     /* Too many open files in system */
#define TARGET_EMFILE 24     /* Too many open files */
#define TARGET_ENOTTY 25     /* Inappropriate ioctl for device */
#define TARGET_ETXTBSY 26    /* Text file busy */
#define TARGET_EFBIG 27    /* File too large */
#define TARGET_ENOSPC 28  /* No space left on device */
#define TARGET_ESPIPE 29   /* Illegal seek */
#define TARGET_EROFS 30    /* Read-only file system */
#define TARGET_EMLINK 31   /* Too many links */
#define TARGET_EPIPE 32    /* Broken pipe */

/* math software */
#define TARGET_EDOM 33     /* Numerical argument out of domain */
#define TARGET_ERANGE 34   /* Result too large */

/* non-blocking and interrupt i/o */
#define TARGET_EAGAIN 35   /* Resource temporarily unavailable */
#define TARGET_EWOULDBLOCK EAGAIN    /* Operation would block */
#define TARGET_EINPROGRESS 36   /* Operation now in progress */
#define TARGET_EALREADY 37     /* Operation already in progress */

/* ipc/network software -- argument errors */
#define TARGET_ENOTSOCK 38    /* Socket operation on non-socket */
#define TARGET_EDESTADDRREQ 39     /* Destination address required */
#define TARGET_EMMSIZE 40      /* Message too long */
#define TARGET_EPROTOTYPE 41   /* Protocol wrong type for socket */
#define TARGET_ENOPROTOOPT 42  /* Protocol not available */
#define TARGET_EPROTONOSUPPORT 43     /* Protocol not supported */
#define TARGET_ESOCKTNOSUPPORT 44     /* Socket type not supported */
#define TARGET_EOPNOTSUPP 45   /* Operation not supported */
#define TARGET_EPFNOSUPPORT 46  /* Protocol family not supported */
#define TARGET_EAFNOSUPPORT 47  /* Address family not supported by protocol family */
#define TARGET_EADDRINUSE 48   /* Address already in use */
#define TARGET_EADDRNOTAVAIL 49  /* Can't assign requested address */

/* ipc/network software -- operational errors */
#define TARGET_ENETDOWN 50   /* Network is down */
#define TARGET_ENETUNREACH 51  /* Network is unreachable */
#define TARGET_ENETRESET 52    /* Network dropped connection on reset */
#define TARGET_ECONNABORTED 53  /* Software caused connection abort */
#define TARGET_ECONNRESET 54    /* Connection reset by peer */
#define TARGET_ENOBUFS 55      /* No buffer space available */
#define TARGET_EISCONN 56     /* Socket is already connected */
#define TARGET_ENOTCONN 57    /* Socket is not connected */
#define TARGETESHUTDOWN 58    /* Can't send after socket shutdown */
#define TARGET_ETOOMANYREFS 59     /* Too many references: can't splice */
#define TARGET_ETIMEDOUT 60    /* Operation timed out */
#define TARGET_ECONNREFUSED 61    /* Connection refused */

#define TARGET_ELOOP 62      /* Too many levels of symbolic links */
#define TARGET_ENAMETOOLONG 63  /* File name too long */
/* should be rearranged */
#define TARGET_EHOSTDOWN        64      /* Host is down */
#define TARGET_EHOSTUNREACH     65      /* No route to host */
#define TARGET_ENOTEMPTY        66      /* Directory not empty */

/* quotas & mush */
#define TARGET_EPROCLIM 67     /* Too many processes */
#define TARGET_EUSERS           68      /* Too many users */
#define TARGET_EDQUOT           69      /* Disk quota exceeded */

/* Network File System */
#define TARGET_ESTALE           70      /* Stale NFS file handle */
#define TARGET_EREMOTE          71      /* Too many levels of remote in path */
#define TARGET_EBADRPC          72      /* RPC struct is bad */
#define TARGET_ERPCMISMATCH     73      /* RPC version wrong */
#define TARGET_EPROGUNAVAIL     74      /* RPC prog. not avail */
#define TARGET_EPROGMISMATCH    75      /* Program version wrong */
#define TARGET_EPROCUNAVAIL     76      /* Bad procedure for program */
#define TARGET_ENOLCK           77      /* No locks available */
#define TARGET_ENOSYS           78      /* Function not implemented */

#define TARGET_EFTYPE           79      /* Inappropriate file type or format */
#define TARGET_EAUTH            80      /* Authentication error */
#define TARGET_ENEEDAUTH        81      /* Need authenticator */
#define TARGET_EIPSEC           82      /* IPsec processing failure */
#define TARGET_ENOATTR          83      /* Attribute not found */
#define TARGET_EILSEQ           84      /* Illegal byte sequence */
#define TARGET_ENOMEDIUM        85      /* No medium found */
#define TARGET_EMEDIUMTYPE      86      /* Wrong Medium Type */
#define TARGET_EOVERFLOW        87      /* Conversion overflow */
#define TARGET_ECANCELED        88      /* Operation canceled */
#define TARGET_EIDRM            89      /* Identifier removed */
#define TARGET_ENOMSG           90      /* No message of desired type */
#define TARGET_EDRVM            90      /* Must be equal largest errno */

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{ TARGET_FREEBSD_NR___acl_aclcheck_fd, "__acl_aclcheck_fd", "%s(%d, %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_aclcheck_file, "__acl_aclcheck_file", "%s("%s\", %d, %#x)\", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_aclcheck_link, "__acl_aclcheck_link", "%s("%s\", %d, %#x)\", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_delete_fd, "__acl_delete_fd", "%s(%d, %d)\", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_delete_file, "__acl_delete_file", "%s("%s\", %d)\", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_delete_link, "__acl_delete_link", "%s("%s\", %d)\", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_get_fd, "__acl_get_fd", "%s(%d, %d, %#x)\", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_get_file, "__acl_get_file", "%s("%s\", %d, %#x)\", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_get_link, "__acl_get_link", "%s("%s\", %d, %#x)\", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_set_fd, "__acl_set_fd", "%s(%d, %d, %#x)\", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_set_file, "__acl_set_file", "%s("%s\", %d, %#x)\", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_set_link, "__acl_set_link", "%s("%s\", %d, %#x)\", NULL, NULL },
{ TARGET_FREEBSD_NR__semctl, "__semctl", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR__sysctl, "__sysctl", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR__sysctl, "__sysctl", NULL, print_sysctl, NULL },
{ TARGET_FREEBSD_NR__umtx_op, "__umtx_op", "%s(%#x, %d, %d, %#x, %#x)\", NULL, NULL },
{ TARGET_FREEBSD_NR_accept, "accept", "%s(%d, %#x, %d)\", NULL, NULL },
{ TARGET_FREEBSD_NR_access, "access", "%s("%s\", %#o)\", NULL, NULL },
{ TARGET_FREEBSD_NR_acct, "acct", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_aditime, "aditime", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_bind, "bind", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_break, "break", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_chdir, "chdir", "%s("%s\")\", NULL, NULL },
{ TARGET_FREEBSD_NR_chflags, "chflags", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_chmod, "chmod", "%s("%s\", %#o)\", NULL, NULL },
{ TARGET_FREEBSD_NR_chown, "chown", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_clock_getres, "clock_getres", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_clock_gettime, "clock_gettime", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_clock_settime, "clock_settime", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_close, "close", "%s(%d)\n\", NULL, NULL },
{ TARGET_FREEBSD_NR_connect, "connect", "%s(%d, %#x, %d)\", NULL, NULL },
{ TARGET_FREEBSD_NR_dup, "dup", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_dup2, "dup2", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_eaccess, "eaccess", "%s("%s\", %#x)\", NULL, NULL },
{ TARGET_FREEBSD_NR_execve, "execve", NULL, print_execve, NULL },
{ TARGET_FREEBSD_NR_exit, "exit", "%s(%d)\n\", NULL, NULL },
{ TARGET_FREEBSD_NR_extattrctl, "extattrctl", "%s("%s\", %d, %#x, %d, %"%s""\", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_delete_fd, "extattr_delete_fd", "%s(%d, %d, %"%s")\", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_delete_file, "extattr_delete_file", "%s("%s\", %d, %"%s")\", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_delete_link, "extattr_delete_link", "%s("%s\", %d, %"%s")\", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_get_fd, "extattr_get_fd", "%s(%d, %d, %"%s", %#x, %d)\", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_get_file, "extattr_get_file", "%s("%s\", %d, %"%s", %#x, %d)\", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_get_link, "%s("%s\", %d, %"%s", %#x, %d)\", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_list_fd, "extattr_list_fd", "%s(%d, %d, %#x, %d)\", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_list_file, "extattr_list_file", "%s("%s\", %d, %#x, %d)\", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_list_link, "extattr_list_link", "%s("%s\", %d, %#x, %d)\", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_set_fd, "extattr_set_fd", "%s(%d, %d, %"%s", %#x, %d)\", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_set_file, "extattr_set_file", "%s("%s\", %d, %"%s", %#x, %d)\", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_set_link, "extattr_set_link", "%s("%s\", %d, %"%s", %#x, %d)\", NULL, NULL },
{ TARGET_FREEBSD_NR_fchdir, "fchdir", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fchflags, "fchflags", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fchmod, "fchmod", "%s(%d, %#o)\", NULL, NULL },
{ TARGET_FREEBSD_NR_fchown, "fchown", "%s(%d, %d, %d)\", NULL, NULL },
{ TARGET_FREEBSD_NR_fcntl, "fcntl", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fexecve, "fexecve", NULL, print_execve, NULL },
{ TARGET_FREEBSD_NR_fhopen, "fhopen", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fhstat, "fhstat", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fhstatfs, "fhstatfs", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_flock, "flock", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fork, "fork", "%s()", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fpathconf, "fpathconf", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fstat, "fstat", "%s(%d,%#x)"", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fstatat, "fstatat", "%s(%d,""%s",%#x,%d)"", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fstatfs, "fstatfs", "%s(%d,%#x)"", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fsync, "fsync", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_ftruncate, "ftruncate", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_futimes, "futimes", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getcontext, "getcontext", "%s(%#x)"", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getdirentries, "getdirentries", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_freebsd6_mmap, "freebsd6_mmap", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getegid, "getegid", "%s()"", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_geteuid, "geteuid", "%s()"", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getfh, "getfh", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getfsstat, "getfsstat", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getgid, "getgid", "%s()"", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getgroups, "getgroups", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getitimer, "getitimer", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getlogin, "getlogin", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getpeername, "getpeername", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getpgid, "getpgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getpgpr, "getpgpr", "%s()"", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getpid, "getpid", "%s()"", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getpgrp, "getpgrp", "%s()"", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getpriority, "getpriority", "%s(%#x,%#x)"", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getresgid, "getresgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getresuid, "getresuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getrlimit, "getrlimit", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getrusage, "getrusage", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getsid, "getsid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getsockname, "getsockname", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getsockopt, "getsockopt", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_gettimeofday, "gettimeofday", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getuid, "getuid", "%s()"", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_ioctl, "ioctl", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_issetugid, "issetugid", "%s()"", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_kevent, "kevent", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_kill, "kill", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_kqueue, "kqueue", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_ktrace, "ktrace", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_lchown, "lchown", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_link, "link", "%s(""%s",""%s")"", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_listen, "listen", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_lpathconf, "lpathconf", "%s\("%s\", %d\)", NULL, NULL },
{ TARGET_FREEBSD_NR_lseek, "lseek", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_lstat, "lstat", "%s\("%s\",%p\)", NULL, NULL },
{ TARGET_FREEBSD_NR_madvise, "madvise", "madvise", NULL, NULL },
{ TARGET_FREEBSD_NR_mincore, "mincore", "mincore", NULL, NULL },
{ TARGET_FREEBSD_NR_minherit, "minherit", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mkdir, "mkdir", "%s\("%s\",%#o\)", NULL, NULL },
{ TARGET_FREEBSD_NR_mkfifo, "mkfifo", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mknod, "mknod", "%s\("%s\",%#o,%#x\)", NULL, NULL },
{ TARGET_FREEBSD_NR_mlock, "mlock", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mlockall, "mlockall", "mlockall", NULL, NULL },
{ TARGET_FREEBSD_NR_mprotect, "mprotect", "%s(%#x,%#x,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_msgctl, "msgctl", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_msgget, "msgget", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_msgrcv, "msgrcv", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_msgsnd, "msgsnd", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_msync, "msync", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_munlock, "munlock", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_munlockall, "munlockall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_munmap, "munmap", "%s(%p,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_nanosleep, "nanosleep", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_nfssvc, "nfssvc", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_open, "open", "%s\("%s\",%#x,%#o\)", NULL, NULL },
{ TARGET_FREEBSD_NR_openat, "openat", "%s(%d, "%s",%#x,%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_pathconf, "pathconf", "%s\("%s\",%d\)", NULL, NULL },
{ TARGET_FREEBSD_NR_pipe, "pipe", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_poll, "poll", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_pread, "pread", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_preadv, "preadv", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_profil, "profil", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_ptrace, "ptrace", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_pwrite, "pwrite", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_pwritev, "pwritev", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_quotactl, "quotactl", "quotactl", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_read, "read", "%s(%d,%#x,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_readlink, "readlink", "%s\("%s\",%p,%d\)", NULL, NULL },
{ TARGET_FREEBSD_NR_readv, "readv", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_reboot, "reboot", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_recvfrom, "recvfrom", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_recvmsg, "recvmsg", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_rename, "rename", "%s\("%s\",%""s")", NULL, NULL },
{ TARGET_FREEBSD_NR_revoke, "revoke", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_rfork, "rfork", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_rmdir, "rmdir", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_rtprio_thread, "rtprio_thread", "%s(%d, %d, %p)", NULL, NULL },
{ TARGET_FREEBSD_NR_sbrk, "sbrk", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sched_yield, "sched_yield", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_select, "select", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_semget, "semget", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_semop, "semop", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sendmsg, "sendmsg", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sendto, "sendto", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setcontext, "setcontext", "%s(%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_setegid, "setegid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_seteuid, "seteuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setgid, "setgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setgroups, "setgroups", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setitimer, "setitimer", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setlogin, "setlogin", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setpgid, "setpgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setpriority, "setpriority", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setreuid, "setreuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setrlimit, "setrlimit", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setsid, "setsid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setsockopt, "setsockopt", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_settimeofday, "settimeofday", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setuid, "setuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shmat, "shmat", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shmctl, "shmctl", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shmdt, "shmdt", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shutdown, "shutdown", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sigaction, "sigaction", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_signalstack, "signalstack", "%s(\%p,%p)", NULL, NULL },
{ TARGET_FREEBSD_NR_sigpending, "sigpending", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sigprocmask, "sigprocmask", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sigreturn, "sigreturn", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sigsuspend, "sigsuspend", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_socket, "socket", "%s(\%d,\%d,\%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_socketpair, "socketpair", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sstk, "sstk", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_stat, "stat", "%s(\"%s\",%p)", NULL, NULL },
{ TARGET_FREEBSD_NR_statfs, "statfs", "%s("\"%s\",%p")", NULL, NULL },
{ TARGET_FREEBSD_NR_symlink, "symlink", "%s("\"%s\","\"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_sync, "sync", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sysarch, "sysarch", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_syscall, "syscall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_thr_create, "thr_create", "%s(\%#x,\%#x,\%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_exit, "thr_exit", "%s(\%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_kill, "thr_kill", "%s(\%d,\%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_kill2, "thr_kill2", "%s(%d, %d, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_new, "thr_new", "%s(%#x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_self, "thr_self", "%s(%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_set_name, "thr_set_name", "%s(%d, %\"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_suspend, "thr_suspend", "%s(%d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_wake, "thr_wake", "%s(%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_truncate, "truncate", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_umask, "umask", "%s(%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_unlink, "unlink", "%s("%s")", NULL, NULL },
{ TARGET_FREEBSD_NR_unmount, "unmount", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_utimes, "utimes", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_vfork, "vfork", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_wait4, "wait4", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_write, "write", "%s(%d, %#x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_writev, "writev", "%s(%d, %p, %#x)", NULL, NULL },

/* $NetBSD: syscall.h,v 1.215 2008/06/17 16:07:57 tsutsui Exp $ */

/*
 * System call numbers.
 *
 * created from NetBSD: syscalls.master,v 1.204 2008/06/17 16:05:23 tsutsui Exp *
 */

#define TARGET_NETBSD_NR_syscall     0
#define TARGET_NETBSD_NR_exit        1
#define TARGET_NETBSD_NR_fork        2
#define TARGET_NETBSD_NR_read        3
#define TARGET_NETBSD_NR_write       4
#define TARGET_NETBSD_NR_open        5
#define TARGET_NETBSD_NR_close       6
#define TARGET_NETBSD_NR_wait4       7
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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

b) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
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c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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

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

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

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

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

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

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* SUCH DAMAGE.
*
* @(#)mman.h 8.2 (Berkeley) 1/95
*/

#define TARGET_FREEBSD_MAP_RESERVED0080 0x0080 /* previously misimplemented MAP_INHERIT */
#define TARGET_FREEBSD_MAP_RESERVED0100 0x0100 /* previously unimplemented MAP_NOEXTEND */
#define TARGET_FREEBSD_MAP_STACK 0x0400 /* region grows down, like a stack */
#define TARGET_FREEBSD_MAP_NOSYNC 0x0800 /* page to but do not sync underlying file */
#define TARGET_FREEBSD_MAP_FLAGMASK 0x1ff7


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* SUCH DAMAGE.
* 
*      @(#)mman.h 8.2 (Berkeley) 1/9/95
*/
#define TARGET_NETBSD_MAP_INHERIT       0x0080 /* region is retained after exec */
#define TARGET_NETBSD_MAP_TRYFIXED      0x0400 /* attempt hint address, even within break */
#define TARGET_NETBSD_MAP_WIRED         0x0800 /* mlock() mapping when it is established */

#define TARGET_NETBSD_MAP_STACK         0x2000 /* allocated from memory, swap space (stack) */
#define TARGET_NETBSD_MAP_FLAGMASK      0x3ff7

/* $NetBSD: mman.h,v 1.11 1995/03/26 20:24:23 jtc Exp $ */

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* SUCH DAMAGE.
*
*      @(#)mman.h     8.1 (Berkeley) 6/2/93
*/

#define TARGET_OPENBSD_MAP_INHERIT      0x0080  /* region is retained after exec */
#define TARGET_OPENBSD_MAP_NOEXTEND     0x0100  /* for MAP_FILE, don't change file size */
#define TARGET_OPENBSD_MAP_TRYFIXED     0x0400  /* attempt hint address, even within heap */

#define TARGET_OPENBSD_MAP_FLAGMASK     0x17f7

// XXX
#define TARGET_BSD_MAP_FLAGMASK         0x3ff7

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Version 2, June 1991

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

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

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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

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

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

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"Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

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

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

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

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

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

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

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

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ifndef TOP
TOP = $(shell while ! test -e make.rules; do cd .. ; done; pwd)
echo TOP
endif
export TOP
include $(TOP)/make.rules

ROOTDIR $?= ../..

LDFLAGS=
ASFLAGS= -I/include -Wa,-mregnames

#NOTE: -DDEBUG only needed for debugging/tracing...
CFLAGS= -UDEBUG -m64 -I -I/include/x86emu \
   -I$(TOP)/clients/net-snk/include -I$(ROOTDIR)/include \

Open Source Used In ASA-RM 9.15.1 821
-I$(ROOTDIR)/lib/libc/include -O3 -nostdinc -fno-built-in
-freestanding -Wall -Wno-unused

X86EMU_OBJS= debug.o decode.o fpu.o ops2.o ops.o prim_ops.o sys.o

%.o: %.S
$(CC) $(ASFLAGS) -c -o $@  $^  

%.o: %.c
$(CC) $(CFLAGS) -c -o $@ $^  

all: libx86emu.a

libx86emu.a: $(X86EMU_OBJS)
$(AR) -rc $@ $^  
$(RANLIB) $@

clean:
$(RM) *.o *.i *.s libx86emu.a  

distclean: clean

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

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

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

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

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.
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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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*/

{ TARGET_FREEBSD_NR___acl_check_fd, "__acl_check_fd", "%s(%d, %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_check_file, "__acl_check_file", "%s("%s", %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_check_link, "__acl_check_link", "%s("%s", %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_delete_fd, "__acl_delete_fd", "%s(%d, %d, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_delete_file, "__acl_delete_file", "%s("%s", %d)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_delete_link, "__acl_delete_link", "%s("%s", %d)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_get_fd, "__acl_get_fd", "%s(%d, %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_get_file, "__acl_get_file", "%s("%s", %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_get_link, "__acl_get_link", "%s("%s", %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_set_fd, "__acl_set_fd", "%s(%d, %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_set_file, "__acl_set_file", "%s("%s", %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_set_link, "__acl_set_link", "%s("%s", %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR___semctl, "__semctl", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR___syscall, "__syscall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR___sysctl, "__sysctl", NULL, print_sysctl, NULL },
{ TARGET_FREEBSD_NR___umtx_op, "__umtx_op", "%s("%s", %d, %d, %#x, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR___accept, "accept", "%s(%d, %#x, %d, %#x, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR___access, "access", "%s("%s", %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR___acct, "acct", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR___adjtime, "adjtime", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR___bind, "bind", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR___break, "break", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR___chdir, "chdir", "%s("%s")", NULL, NULL },
{ TARGET_FREEBSD_NR___chflags, "chflags", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR___chmod, "chmod", "%s("%s", %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR___chown, "chown", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR___chroot, "chroot", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR___clock_getres, "clock_getres", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR___clock_gettime, "clock_gettime", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR___clock_settime, "clock_settime", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR___close, "close", "%s(%d)"", NULL, NULL },
# Default configuration for sparc-bsd-user

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#!/bin/bash

#set -x
#set -e

SVN=`which svn`
PATCH=`which patch`
DIFF_FILE=./x86emu_changes.diff

# check wether svn, patch, ... is available...

if [ ! -x $SVN ]; then
echo "subversion executable not found!"
exit -1
fi

if [ ! -x $PATCH ]; then
echo "patch executable not found!"
exit -1
fi

if [ ! -r $DIFF_FILE ]; then
echo "diff file $DIFF_FILE not found!"
exit -1
fi

# download the x86emu sources from LinuxBIOS subversion

#revision known to work...
REV=496

echo "Checking out x86emu from coreboot-v3 repository revision $REV"
$SVN co svn://coreboot.org/repository/coreboot-v3/util/x86emu -r $REV

echo "Copying files..."

mkdir -p include/x86emu
cp -v x86emu/x86emu/*.c .
cp -v x86emu/x86emu/*.h include/x86emu
cp -v x86emu/include/x86emu/*.h include/x86emu

echo "Removing checkedout subversion director..."

rm -rf x86emu
echo "Patching files..."

$PATCH -p0 < x86emu_changes.diff

echo "done"
exit 0

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/*
 * System call numbers.
 *
 * created from FreeBSD: releng/9.1/sys/kern/syscalls.master 229723
 * 2012-01-06 19:29:16Z jhb
 */

#define TARGET_FREEBSD_NR_syscall 0
#define TARGET_FREEBSD_NR_exit 1
#define TARGET_FREEBSD_NR_fork 2
#define TARGET_FREEBSD_NR_read 3
#define TARGET_FREEBSD_NR_write 4
#define TARGET_FREEBSD_NR_open 5
#define TARGET_FREEBSD_NR_close 6
#define TARGET_FREEBSD_NR_wait4 7
/* 8 is old creat */
#define TARGET_FREEBSD_NR_link 9
#define TARGET_FREEBSD_NR_unlink 10
/* 11 is obsolete execv */
#define TARGET_FREEBSD_NR_chdir 12
#define TARGET_FREEBSD_NR_fchdir 13
#define TARGET_FREEBSD_NR_mknod 14
#define TARGET_FREEBSD_NR_chmod 15
#define TARGET_FREEBSD_NR_chown 16
#define TARGET_FREEBSD_NR_break 17
#define TARGET_FREEBSD_NR_freebsd4_getfsstat 18
/* 19 is old lseek */
#define TARGET_FREEBSD_NR_getpid 20
#define TARGET_FREEBSD_NR_mount 21
#define TARGET_FREEBSD_NRUnmount 22
#define TARGET_FREEBSD_NR_setuid 23
#define TARGET_FREEBSD_NR_getuid 24
#define TARGET_FREEBSD_NR_geteuid 25
#define TARGET_FREEBSD_NR_ptrace 26
#define TARGET_FREEBSD_NR_recvmsg 27
#define TARGET_FREEBSD_NR_sendmsg 28
#define TARGET_FREEBSD_NR_recvfrom 29
#define TARGET_FREEBSD_NR_accept 30
#define TARGET_FREEBSD_NR_getpeername 31
```c
#define TARGET_FREEBSD_NR_getsockname 32
#define TARGET_FREEBSD_NR_access 33
#define TARGET_FREEBSD_NR_chflags 34
#define TARGET_FREEBSD_NR_fchflags 35
#define TARGET_FREEBSD_NR_sync 36
#define TARGET_FREEBSD_NR_kill 37
/* 38 is old stat */
#define TARGET_FREEBSD_NR_getppid 39
/* 40 is old lstat */
#define TARGET_FREEBSD_NR_dup 41
#define TARGET_FREEBSD_NR_pipe 42
#define TARGET_FREEBSD_NR_getegid 43
#define TARGET_FREEBSD_NR_profil 44
#define TARGET_FREEBSD_NR_ktrace 45
/* 46 is old sigaction */
#define TARGET_FREEBSD_NR_getgid 47
/* 48 is old sigprocmask */
#define TARGET_FREEBSD_NR_getlogin 49
#define TARGET_FREEBSD_NR_setlogin 50
#define TARGET_FREEBSD_NR_acct 51
/* 52 is old sigpending */
#define TARGET_FREEBSD_NR_sigaltstack 53
#define TARGET_FREEBSD_NR_ioctl 54
#define TARGET_FREEBSD_NR_reboot 55
#define TARGET_FREEBSD_NR_revoke 56
#define TARGET_FREEBSD_NR_symlink 57
#define TARGET_FREEBSD_NR_readlink 58
#define TARGET_FREEBSD_NR_execve 59
#define TARGET_FREEBSD_NR_chroot 60
/* 62 is old stat */
/* 63 is old getkerninfo */
/* 64 is old getpagesize */
#define TARGET_FREEBSD_NR_msync 65
#define TARGET_FREEBSD_NR_vfork 66
/* 67 is obsolete vread */
/* 68 is obsolete vwrite */
#define TARGET_FREEBSD_NR_sbrk 69
#define TARGET_FREEBSD_NR_sstk 70
/* 71 is old mmap */
#define TARGET_FREEBSD_NR_vadvise 72
#define TARGET_FREEBSD_NR_munmap 73
#define TARGET_FREEBSD_NR_mprotect 74
#define TARGET_FREEBSD_NR_madvise 75
/* 76 is obsolete vhangup */
/* 77 is obsolete vlimit */
#define TARGET_FREEBSD_NR_mincore 78
#define TARGET_FREEBSD_NR_getgroups 79
```
#define TARGET_FREEBSD_NR_setgroups 80
#define TARGET_FREEBSD_NR_getpgid 81
#define TARGET_FREEBSD_NR_setpgid 82
#define TARGET_FREEBSD_NR_setitimer 83
/* 84 is old wait */
#define TARGET_FREEBSD_NR_swapon 85
#define TARGET_FREEBSD_NR_getpgrp 86
/* 87 is old gethostname */
/* 88 is old sethostname */
#define TARGET_FREEBSD_NR_getdtablesize 89
#define TARGET_FREEBSD_NR_dup2 90
#define TARGET_FREEBSD_NR_fcntl 92
#define TARGET_FREEBSD_NR_select 93
#define TARGET_FREEBSD_NR_fsync 95
#define TARGET_FREEBSD_NR_setpriority 96
#define TARGET_FREEBSD_NR_socket 97
#define TARGET_FREEBSD_NR_connect 98
/* 99 is old accept */
#define TARGET_FREEBSD_NR_getpriority 100
/* 101 is old send */
/* 102 is old recv */
/* 103 is old sigreturn */
#define TARGET_FREEBSD_NR_bind 104
#define TARGET_FREEBSD_NR_setsockopt 105
#define TARGET_FREEBSD_NR_listen 106
/* 107 is obsolete vtimes */
/* 108 is old sigvec */
/* 109 is old sigblock */
/* 110 is old sigsetmask */
/* 111 is old sigsuspend */
/* 112 is old sigstack */
/* 113 is old recvmsg */
/* 114 is old sendmsg */
/* 115 is obsolete vtrace */
#define TARGET_FREEBSD_NR_gettimeofday 116
#define TARGET_FREEBSD_NR_getrusage 117
#define TARGET_FREEBSD_NR_getsockopt 118
#define TARGET_FREEBSD_NR_readv 120
#define TARGET_FREEBSD_NR_writev 121
#define TARGET_FREEBSD_NR_settimeofday 122
/* 123 is old fchown */
/* 124 is old fchmod */
/* 125 is old setreuid */
/* 126 is old setregid */
/* 127 is old rename */
/* 128 is old truncate */
/* 129 is old truncate */
/* 130 is old fruncate */
#define TARGET_FREEBSD_NR_flock 131
#define TARGET_FREEBSD_NR_mkfifo 132
#define TARGET_FREEBSD_NR_sendto 133
#define TARGET_FREEBSD_NR_shutdown 134
#define TARGET_FREEBSD_NR_socketpair 135
#define TARGET_FREEBSD_NR_mkdir 136
#define TARGET_FREEBSD_NR_rmdir 137
#define TARGET_FREEBSD_NR_utimes 138
/* 139 is obsolete 4.2 sigreturn */
#define TARGET_FREEBSD_NR_adjtime 140
/* 141 is old getpeername */
/* 142 is old gethostid */
/* 143 is old sethostid */
/* 144 is old getrlimit */
/* 145 is old setrlimit */
/* 146 is old killpg */
#define TARGET_FREEBSD_NR_killpg 146 /* COMPAT */
#define TARGET_FREEBSD_NR_setsid 147
#define TARGET_FREEBSD_NR_quotactl 148
/* 149 is old quota */
/* 150 is old getsockname */
#define TARGET_FREEBSD_NR_nlm_syscall 154
#define TARGET_FREEBSD_NR_nfssvc 155
/* 156 is old getdirentries */
#define TARGET_FREEBSD_NR_freebsd4_statfs 157
#define TARGET_FREEBSD_NR_freebsd4_fstatfs 158
#define TARGET_FREEBSD_NR_lgetfh 160
#define TARGET_FREEBSD_NR_getfh 161
#define TARGET_FREEBSD_NR_freebsd4_getdomainname 162
#define TARGET_FREEBSD_NR_freebsd4_setdomainname 163
#define TARGET_FREEBSD_NR_freebsd4_uname 164
#define TARGET_FREEBSD_NR_sysarch 165
#define TARGET_FREEBSD_NR_rtprio 166
#define TARGET_FREEBSD_NR_semssys 169
#define TARGET_FREEBSD_NR_msgssys 170
#define TARGET_FREEBSD_NR_shmsys 171
#define TARGET_FREEBSD_NR_freebsd6_pread 173
#define TARGET_FREEBSD_NR_freebsd6_pwrite 174
#define TARGET_FREEBSD_NR_setfib 175
#define TARGET_FREEBSD_NR_ntp_adjtime 176
#define TARGET_FREEBSD_NR_setgid 181
#define TARGET_FREEBSD_NR_setegid 182
#define TARGET_FREEBSD_NR_seteuid 183
#define TARGET_FREEBSD_NR_stat 188
#define TARGET_FREEBSD_NR_fstat 189
#define TARGET_FREEBSD_NR_lstat 190
#define TARGET_FREEBSD_NR_pathconf 191
#define TARGET_FREEBSD_NR_fpathconf 192
#define TARGET_FREEBSD_NR_getrlimit 194
#define TARGET_FREEBSD_NR_setrlimit 195
#define TARGET_FREEBSD_NR_getdirent 196
#define TARGET_FREEBSD_NR_freebsd6_mmap 197
#define TARGET_FREEBSD_NR___syscall 198
#define TARGET_FREEBSD_NR_freebsd6_getseek 199
#define TARGET_FREEBSD_NR_freebsd6_truncate 200
#define TARGET_FREEBSD_NR_freebsd6_ftruncate 201
#define TARGET_FREEBSD_NR___syscall 202
#define TARGET_FREEBSD_NR_mlock 203
#define TARGET_FREEBSD_NR_munlock 204
#define TARGET_FREEBSD_NR_undelete 205
#define TARGET_FREEBSD_NR_futimes 206
#define TARGET_FREEBSD_NR_getpgid 207
#define TARGET_FREEBSD_NR_poll 209
#define TARGET_FREEBSD_NR_freebsd7___semct 220
#define TARGET_FREEBSD_NR_semget 221
#define TARGET_FREEBSD_NR_semop 222
#define TARGET_FREEBSD_NR_freebsd7_msgct 224
#define TARGET_FREEBSD_NR_msgct 225
#define TARGET_FREEBSD_NR_msgsnd 226
#define TARGET_FREEBSD_NR_msgrcv 227
#define TARGET_FREEBSD_NR_shmat 228
#define TARGET_FREEBSD_NR_freebsd7_shmct 229
#define TARGET_FREEBSD_NR_shmdt 230
#define TARGET_FREEBSD_NR_shmget 231
#define TARGET_FREEBSD_NR_clock_gettime 232
#define TARGET_FREEBSD_NR_clock_settime 233
#define TARGET_FREEBSD_NR_clock_getres 234
#define TARGET_FREEBSD_NR_ktimer_create 235
#define TARGET_FREEBSD_NR_ktimer_delete 236
#define TARGET_FREEBSD_NR_ktimer_settime 237
#define TARGET_FREEBSD_NR_ktimer_getoverrun 238
#define TARGET_FREEBSD_NR_nanosleep 240
#define TARGET_FREEBSD_NR_ntp_gettime 248
#define TARGET_FREEBSD_NR_minherit 250
#define TARGET_FREEBSD_NR_rfork 251
#define TARGET_FREEBSD_NR_openbsd_poll 252
#define TARGET_FREEBSD_NR_issetugid 253
#define TARGET_FREEBSD_NR_lchown 254
#define TARGET_FREEBSD_NR_aio_read 255
#define TARGET_FREEBSD_NR_aio_write 256
#define TARGET_FREEBSD_NR_lio_listio 257
#define TARGET_FREEBSD_NR_getdents 272
#define TARGET_FREEBSD_NR_lchmod 274
#define TARGET_FREEBSD_NR_netbsd_lchown 275
#define TARGET_FREEBSD_NR_lutimes 276
#define TARGET_FREEBSD_NR_netbsd_msync 277
#define TARGET_FREEBSD_NR_nstat 278
#define TARGET_FREEBSD_NR_nfstat 279
#define TARGET_FREEBSD_NR_nlstat 280
#define TARGET_FREEBSD_NR_preadv 289
#define TARGET_FREEBSD_NR_pwritev 290
#define TARGET_FREEBSD_NR_freebsd4_fhstatfs 297
#define TARGET_FREEBSD_NR_fhopen 298
#define TARGET_FREEBSD_NR_fhstat 299
#define TARGET_FREEBSD_NR_modnext 300
#define TARGET_FREEBSD_NR_modstat 301
#define TARGET_FREEBSD_NR_modfnext 302
#define TARGET_FREEBSD_NR_modfind 303
#define TARGET_FREEBSD_NR_kldload 304
#define TARGET_FREEBSD_NR_kldunload 305
#define TARGET_FREEBSD_NR_kldfind 306
#define TARGET_FREEBSD_NR_kldnext 307
#define TARGET_FREEBSD_NR_kldstat 308
#define TARGET_FREEBSD_NR_kldfirstmod 309
#define TARGET_FREEBSD_NR_getsid 310
#define TARGET_FREEBSD_NR_setresuid 311
#define TARGET_FREEBSD_NR_setresgid 312
/* 313 is obsolete signanosleep */
#define TARGET_FREEBSD_NR_aio_return 314
#define TARGET_FREEBSD_NR_aio_suspend 315
#define TARGET_FREEBSD_NR_aio_cancel 316
#define TARGET_FREEBSD_NR_aio_error 317
#define TARGET_FREEBSD_NR_oaio_read 318
#define TARGET_FREEBSD_NR_oaio_write 319
#define TARGET_FREEBSD_NR_olio_listio 320
#define TARGET_FREEBSD_NR_yield 321
/* 322 is obsolete thr_sleep */
/* 323 is obsolete thr_wakeup */
#define TARGET_FREEBSD_NR_mlockall 324
#define TARGET_FREEBSD_NR_munlockall 325
#define TARGET_FREEBSD_NR___getcwd 326
#define TARGET_FREEBSD_NR_sched_setparam 327
#define TARGET_FREEBSD_NR_sched_getparam 328
#define TARGET_FREEBSD_NR_sched_setscheduler 329
#define TARGET_FREEBSD_NR_sched_setscheduler 330
#define TARGET_FREEBSD_NR_sched_yield 331
#define TARGET_FREEBSD_NR_sched_get_priority_max 332
#define TARGET_FREEBSD_NR_sched_get_priority_min 333
#define TARGET_FREEBSD_NR_sched_rr_get_interval 334
#define TARGET_FREEBSD_NR_utrace 335
#define TARGET_FREEBSD_NR_freebsd4_sendfile 336
#define TARGET_FREEBSD_NR_kldsym 337
#define TARGET_FREEBSD_NR_jail 338
#define TARGET_FREEBSD_NR_mnpfs_syscall 339
#define TARGET_FREEBSD_NR_sigprocmask 340
#define TARGET_FREEBSD_NR_sigsuspend 341
#define TARGET_FREEBSD_NR_freebsd4_siganction 342
#define TARGET_FREEBSD_NR_sigtimedwait 343
#define TARGET_FREEBSD_NR_freebsd4_sigtreturn 344
#define TARGET_FREEBSD_NR_sigwaitinfo 345
#define TARGET_FREEBSD_NR___acl_get_file 347
#define TARGET_FREEBSD_NR___acl_set_file 348
#define TARGET_FREEBSD_NR___acl_get_fd 349
#define TARGET_FREEBSD_NR___acl_set_fd 350
#define TARGET_FREEBSD_NR___acl_delete_file 351
#define TARGET_FREEBSD_NR___acl_delete_fd 352
#define TARGET_FREEBSD_NR___acl_aclcheck_file 353
#define TARGET_FREEBSD_NR___acl_aclcheck_fd 354
#define TARGET_FREEBSD_NR_extattrctl 355
#define TARGET_FREEBSD_NR_extattr_set_file 356
#define TARGET_FREEBSD_NR_extattr_get_file 357
#define TARGET_FREEBSD_NR_extattr_delete_file 358
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Index: debug.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/debug.c,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- debug.c 7 Sep 2007 10:01:21 -0000 1.1
+++ debug.c 15 Jan 2008 13:49:25 -0000 1.3
@@ -52,7 +52,11 @@
 void X86EMU_trace_regs (void)
 {
         if (DEBUG_TRACE()) {
-            x86emu_dump_regs();
+            if (M.x86.mode & (SYSMODE_PREFIX_DATA | SYSMODE_PREFIX_ADDR)) {
+                x86emu_dump_xregs();
+            } else {
+                x86emu_dump_regs();
+            }
+        }
+    } else {
+        printk("%04x:%04x ",M.x86.saved_cs, M.x86.saved_ip);
}
@@ -185,7 +189,7 @@
for (i=0; i< M.x86.enc_pos; i++) {
sprintf(buf1+2*i,"%02x", fetch_data_byte_abs(s,o+i));
}
- printk("%-20s",buf1);
+ printk("%-20s ",buf1);
}
static void print_decoded_instruction (void)
Index: ops2.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/ops2.c,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- ops2.c7 Sep 2007 10:01:21 -00001.1
+++ ops2.c20 Mar 2008 15:48:34 -00001.3
@@ -149,8 +149,69 @@
target += (s16) M.x86.R_IP;
DECODE_PRINTF2("%04x\n", target);
TRACE_AND_STEP();
- if (cond)
+ if (cond) {
M.x86.R_IP = (u16)target;
+JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " LONG COND ");
+ }
+ DECODE_CLEAR_SEGOVR();
+ END_OF_INSTR();
+}
+
+/****************************************************************************
+REMARKS:
+Handles opcode 0x0f,0xC8-0xCF
+****************************************************************************/
+s32 x86emu_bswap(s32 reg)
+{
+ // perform the byte swap
+ s32 temp = reg;
+ reg = (temp & 0xFF000000) >> 24;
+ reg |= (temp & 0xFF0000) >> 8;
+ reg |= (temp & 0xFF00) << 8;
+ reg |= (temp & 0xFF) << 24;
+ return reg;
+}
+
+void x86emuOp2_bswap(u8 op2)
+{
+ /* byte swap 32 bit register */

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START_OF_INSTR();
DECODE_PRINTF("BSWAP\t");
switch (op2) {
  case 0xc8:
    DECODE_PRINTF("EAX\n");
    M.x86.R_EAX = x86emu_bswap(M.x86.R_EAX);
    break;
  case 0xc9:
    DECODE_PRINTF("ECX\n");
    M.x86.R_ECX = x86emu_bswap(M.x86.R_ECX);
    break;
  case 0xca:
    DECODE_PRINTF("EDX\n");
    M.x86.R_EDX = x86emu_bswap(M.x86.R_EDX);
    break;
  case 0xcb:
    DECODE_PRINTF("EBX\n");
    M.x86.R_EBX = x86emu_bswap(M.x86.R_EBX);
    break;
  case 0xcc:
    DECODE_PRINTF("ESP\n");
    M.x86.R_ESP = x86emu_bswap(M.x86.R_ESP);
    break;
  case 0xcd:
    DECODE_PRINTF("EBP\n");
    M.x86.R_EBP = x86emu_bswap(M.x86.R_EBP);
    break;
  case 0xce:
    DECODE_PRINTF("ESI\n");
    M.x86.R_ESI = x86emu_bswap(M.x86.R_ESI);
    break;
  case 0xcf:
    DECODE_PRINTF("EDI\n");
    M.x86.R_EDI = x86emu_bswap(M.x86.R_EDI);
    break;
  }
TRACE_AND_STEP();
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();

/* 0xc5 */ x86emuOp2_illegal_op,
/* 0xc6 */ x86emuOp2_illegal_op,
/* 0xc7 */ x86emuOp2_illegal_op,
/* 0xc8 */ x86emuOp2_illegal_op, /* TODO: bswap */
/* 0xc9 */ x86emuOp2_illegal_op, /* TODO: bswap */
/* 0xca */ x86emuOp2_illegal_op, /* TODO: bswap */
/* 0xcb */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xcc */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xcd */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xce */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xcf */ x86emuOp2_illegal_op, /* TODO: bswap */
+/* 0xc8 */ x86emuOp2_bswap,
+/* 0xc9 */ x86emuOp2_bswap,
+/* 0xca */ x86emuOp2_bswap,
+/* 0xcb */ x86emuOp2_bswap,
+/* 0xcc */ x86emuOp2_bswap,
+/* 0xcd */ x86emuOp2_bswap,
+/* 0xce */ x86emuOp2_bswap,
+/* 0xcf */ x86emuOp2_bswap,

/* 0xd0 */ x86emuOp2_illegal_op,
/* 0xd1 */ x86emuOp2_illegal_op.

Index: ops.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/ops.c,v
retrieving revision 1.1
diff -u -u -r1.1 ops.c
--- ops.c	7 Sep 2007 10:01:21 -0000	1.1
+++ ops.c	20 Mar 2008 16:52:00 -0000
@@ -1061,7 +1061,11 @@
 imm = (s8)fetch_byte_imm();
 DECODE_PRINTF2("PUSH\%d\n", imm);
 TRACE_AND_STEP();
-    push_word(imm);
+    if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+        push_long(imm);
+    } else {
+        push_word(imm);
+    }
 DECODE_CLEAR_SEGOVR();
 END_OF_INSTR();
}
@@ -1256,8 +1260,10 @@
 target = (u16)(M.x86.R_IP + (s16)offset);
 DECODE_PRINTF2("%x\n", target);
 TRACE_AND_STEP();
-    if (cond)
+    if (cond) {
 M.x86.R_IP = target;
+JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " NEAR COND ");
+    }
 DECODE_CLEAR_SEGOVR();
 END_OF_INSTR();
}
count = 1;
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* don't care whether REPE or REPNE */
    - /* move them until CX is ZERO. */
    - count = M.x86.R_CX;
    + /* move them until (E)CX is ZERO. */
    + count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
    M.x86.R_CX = 0;
    +if (M.x86.mode & SYSMODE_32BIT_REP)
    +    M.x86.R_ECX = 0;
    M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
} while (count--) {
    store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, val);
    M.x86.R_SI += inc;
    M.x86.R_DI += inc;
    +    if (M.x86.intr & INTR_HALTED)
    +        break;
    }
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@ @ -2526,6 +2534,8 @@
    count = 1;
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* don't care whether REPE or REPNE */
    - /* move them until CX is ZERO. */
    - count = M.x86.R_CX;
    + /* move them until (E)CX is ZERO. */
    + count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
    M.x86.R_CX = 0;
    +if (M.x86.mode & SYSMODE_32BIT_REP)
    +    M.x86.R_ECX = 0;
    M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
} while (count--) {
    store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, val);
    M.x86.R_SI += inc;
    M.x86.R_DI += inc;
    +    if (M.x86.intr & INTR_HALTED)
    +        break;
    }
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@ @ -2559,9 +2569,11 @@
    count = 1;
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* don't care whether REPE or REPNE */
    - /* move them until CX is ZERO. */
    - count = M.x86.R_CX;
    + /* move them until (E)CX is ZERO. */
    + count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
    M.x86.R_CX = 0;
    +if (M.x86.mode & SYSMODE_32BIT_REP)
    +    M.x86.R_ECX = 0;
    M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
} while (count--) {
    store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, val);
    M.x86.R_SI += inc;
    M.x86.R_DI += inc;
    +    if (M.x86.intr & INTR_HALTED)
    +        break;
    }
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@ @ -2574,6 +2586,8 @@
    count = 1;
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* don't care whether REPE or REPNE */
        - /* move them until CX is ZERO. */
        - count = M.x86.R_CX;
        + /* move them until (E)CX is ZERO. */
        + count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
        M.x86.R_CX = 0;
        +if (M.x86.mode & SYSMODE_32BIT_REP)
        +    M.x86.R_ECX = 0;
        M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
    }
        while (count--) {
            store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, val);
            M.x86.R_SI += inc;
            M.x86.R_DI += inc;
            +            if (M.x86.intr & INTR_HALTED)
            +                break;
            }
            DECODE_CLEAR_SEGOVR();
            END_OF_INSTR();
@ @ -2598,16 +2612,21 @@

if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
/* REPE */
- /* move them until CX is ZERO. */
- while (M.x86.R_CX != 0) {
+ /* move them until (E)CX is ZERO. */
+ while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
  val1 = fetch_data_byte(M.x86.R_SI);
  val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
  cmp_byte(val1, val2);
- M.x86.R_CX -= 1;
+ if (M.x86.mode & SYSMODE_32BIT_REP)
+                M.x86.R_ECX -= 1;
+            else
+                M.x86.R_CX -= 1;
  M.x86.R_SI += inc;
  M.x86.R_DI += inc;
  if ( (M.x86.mode & SYSMODE_PREFIX_REPE) && (ACCESS_FLAG(F_ZF) == 0) ) break;
  if ( (M.x86.mode & SYSMODE_PREFIX_REPNE) && ACCESS_FLAG(F_ZF) ) break;
+            if (M.x86.intr & INTR_HALTED)
+                break;
+        }
    M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
} else {
@@ -2644,8 +2663,8 @@
    TRACE_AND_STEP();
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
      /* REPE */
- /* move them until CX is ZERO. */
- while (M.x86.R_CX != 0) {
+ /* move them until (E)CX is ZERO. */
+ while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
      if (M.x86.mode & SYSMODE_PREFIX_DATA) {
        val1 = fetch_data_long(M.x86.R_SI);
        val2 = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
@@ -2655,11 +2674,16 @@
        cmp_word((u16)val1, (u16)val2);
      }
- M.x86.R_CX -= 1;
+ if (M.x86.mode & SYSMODE_32BIT_REP)
+                M.x86.R_ECX -= 1;
+            else
+                M.x86.R_CX -= 1;
      M.x86.R_SI += inc;
      M.x86.R_DI += inc;
      if ( (M.x86.mode & SYSMODE_PREFIX_REPE) && ACCESS_FLAG(F_ZF) == 0 ) break;
      if ( (M.x86.mode & SYSMODE_PREFIX_REPNE) && ACCESS_FLAG(F_ZF) ) break;
+            if (M.x86.intr & INTR_HALTED)
+                break;
+        }
    }
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
} else {
    TRACE_AND_STEP();
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* dont care whether REPE or REPNE */
        /* move them until CX is ZERO. */
        - while (M.x86.R_CX != 0) {
            - /* move them until (E)CX is ZERO. */
            + while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
                store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, M.x86.R_AL);
                - M.x86.R_CX -= 1;
                + if (M.x86.intr & INTR_HALTED)
                +     break;
            }
            M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
        } else {
            count = 1;
            if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
                /* dont care whether REPE or REPNE */
                /* move them until CX is ZERO. */
                - count = M.x86.R_CX;
                + /* move them until (E)CX is ZERO. */
                + count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
                M.x86.R_CX = 0;
                +if (M.x86.mode & SYSMODE_32BIT_REP)
                +    M.x86.R_ECX = 0;
                M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
            }
            while (count--) {
                store_data_word_abs(M.x86.R_ES, M.x86.R_DI, M.x86.R_AX);
                M.x86.R_DI += inc;
                + if (M.x86.intr & INTR_HALTED)
                +     break;
            }
        }
    }
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
    inc = 1;
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
    /* move them until CX is ZERO. */
    while (M.x86.R_CX != 0) {
        /* move them until (E)CX is ZERO. */
        while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
            M.x86.R_AL = fetch_data_byte(M.x86.R_SI);
            if (M.x86.mode & SYSMODE_32BIT_REP)
                M.x86.R_ECX -= 1;
            else
                M.x86.R_CX -= 1;
            M.x86.R_SI += inc;
            if (M.x86.intr & INTR_HALTED)
                break;
        }
        M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
    } else {
        count = 1;
        if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
            /* dont care whether REPE or REPNE */
            count = M.x86.R_CX;
            if (M.x86.mode & SYSMODE_32BIT_REP)
                M.x86.R_ECX = 0;
            M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
        } else {
            inc = 1;
            if (M.x86.mode & SYSMODE_32BIT_REP) {
                /* REPE */
                while (M.x86.R_CX != 0) {
                    M.x86.R_AX = fetch_data_word(M.x86.R_SI);
                    M.x86.R_SI += inc;
                    if (M.x86.intr & INTR_HALTED)
                        break;
                }
                DECODE_CLEAR_SEGOVR();
                END_OF_INSTR();
            } else {
                inc = 1;
                if (M.x86.mode & SYSMODE_PREFIX_REPE) {
                    /* REPE */
                    while (M.x86.R_CX != 0) {
                        M.x86.R_AX = fetch_data_word(M.x86.R_SI);
                        M.x86.R_SI += inc;
                        if (M.x86.intr & INTR_HALTED)
                            break;
                    }
                    DECODE_CLEAR_SEGOVR();
                    END_OF_INSTR();
                }
            }
        }
    }
}
while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_CX : M.x86.R_DX) != 0) {
    val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
    cmp_byte(M.x86.R_AL, val2);
    M.x86.R_CX -= 1;
    if (M.x86.mode & SYSMODE_32BIT_REP)
        M.x86.R_ECX -= 1;
    else
        M.x86.R_CX -= 1;
    M.x86.R_DX += inc;
    if (ACCESS_FLAG(F_ZF) == 0)
        break;
    if (M.x86.intr & INTR_HALTED)
        break;
}
M.x86.mode &= ~SYSMODE_PREFIX_REPE;
}
else if (M.x86.mode & SYSMODE_PREFIX_REPNE) {
    /* REPNE */
    while (M.x86.R_CX != 0) {
        if (M.x86.intr & INTR_HALTED)
            break;
    }
    M.x86.mode &= ~SYSMODE_PREFIX_REPNE;
}
else {
    TRACE_AND_STEP();
    if (M.x86.mode & SYSMODE_PREFIX_REPE) {
        /* REPE */
        while (M.x86.R_CX != 0) {
            if (M.x86.mode & SYSMODE_32BIT_REP)
                M.x86.R_ECX -= 1;
            else
                M.x86.R_CX -= 1;
            M.x86.R_DX += inc;
            if (ACCESS_FLAG(F_ZF))
                break; /* zero flag set means equal */
        }  
        if (M.x86.intr & INTR_HALTED)
            break;
    }
    M.x86.mode &= ~SYSMODE_PREFIX_REPE;
}

@@ -2951,8 +3003,8 @@

TRAC
val = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);
cmp_word(M.x86.R_AX, (u16)val);
}
-        M.x86.R_CX -= 1;
+        if (M.x86.mode & SYSMODE_32BIT_REP)
+            M.x86.R_ECX -= 1;
+        else
+            M.x86.R_CX -= 1;
M.x86.R_DI += inc;
if (ACCESS_FLAG(F_ZF) == 0)
    break;
+        if (M.x86.intr & INTR_HALTED)
+            break;
}
M.x86.mode &= ~SYSMODE_PREFIX_REPE;
} else if (M.x86.mode & SYSMODE_PREFIX_REPNE) {
    /* REPNE */
-        /* move them until CX is ZERO. */
-        while (M.x86.R_CX != 0) {
+        /* move them until (E)CX is ZERO. */
+        while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
            if (M.x86.mode & SYSMODE_PREFIX_DATA) {
                val = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
                cmp_long(M.x86.R_EAX, val);
                val = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);
                cmp_word(M.x86.R_AX, (u16)val);
            }
-        M.x86.R_CX -= 1;
+        if (M.x86.mode & SYSMODE_32BIT_REP)
+            M.x86.R_ECX -= 1;
+        else
+            M.x86.R_CX -= 1;
M.x86.R_DI += inc;
if (ACCESS_FLAG(F_ZF))
    break;    /* zero flag set means equal */
+        if (M.x86.intr & INTR_HALTED)
+            break;
}
M.x86.mode &= ~SYSMODE_PREFIX_REPNE;
} else {
-        /* move them until CX is ZERO. */
-        while (M.x86.R_CX != 0) {
+        /* move them until (E)CX is ZERO. */
+        while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
            if (M.x86.mode & SYSMODE_PREFIX_DATA) {
                val = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
                cmp_long(M.x86.R_EAX, val);
                val = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);
                cmp_word(M.x86.R_AX, (u16)val);
            }
        }
        DECODE_PRINTF("RETt");
        imm = fetch_word_imm();
        DECODE_PRINTF2("%x
", imm);
        -RETURN_TRACE("RET",M.x86.saved_cs,M.x86.saved_ip);
        TRACE_AND_STEP();
        M.x86.R_IP = pop_word();
+RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "NEAR");
    M.x86.R_SP += imm;
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -3254,9 +3316,9 @@
    {
        START_OF_INSTR();
        DECODE_PRINTF("RET\n");
-RETURN_TRACE("RET",M.x86.saved_cs,M.x86.saved_ip);
        TRACE_AND_STEP();
        M.x86.R_IP = pop_word();
+RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "NEAR");
        DECODE_CLEAR_SEGOVR();
        END_OF_INSTR();
    }
@@ -3471,10 +3533,10 @@
        imm = fetch_word_imm();
        DECODE_PRINTF2("%x\n", imm);
-RETURN_TRACE("RETF",M.x86.saved_cs,M.x86.saved_ip);
        TRACE_AND_STEP();
        M.x86.R_IP = pop_word();
        M.x86.R_CS = pop_word();
+RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "FAR");
        M.x86.R_SP += imm;
        DECODE_CLEAR_SEGOVR();
        END_OF_INSTR();
@@ -3488,10 +3550,10 @@
    {
        START_OF_INSTR();
        DECODE_PRINTF("RETF\n");
-RETURN_TRACE("RETF",M.x86.saved_cs,M.x86.saved_ip);
        TRACE_AND_STEP();
        M.x86.R_IP = pop_word();
        M.x86.R_CS = pop_word();
+RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "FAR");
        DECODE_CLEAR_SEGOVR();
        END_OF_INSTR();
}
@@ -4020,8 +4082,11 @@
    ip += (s16) M.x86.R_IP;
    DECODE_PRINTF2("%04x\n", ip);
    TRACE_AND_STEP();
-    M.x86.R_CX -= 1;
-    if (M.x86.R_CX != 0 && !ACCESS_FLAG(F_ZF))      /* CX != 0 and !ZF */
+    if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+        M.x86.R_ECX -= 1;
+    else

+ M.x86.R_CX -= 1;
+ if (((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0 &&
!ACCESS_FLAG(F_ZF)) /* (E)CX != 0 and !ZF */
    M.x86.R_IP = ip;
    DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
@@ -4041,8 +4106,11 @@
    ip += (s16) M.x86.R_IP;
    DECODE_PRINTF2("%04x\n", ip);
    TRACE_AND_STEP();
-    M.x86.R_CX -= 1;
-    if (M.x86.R_CX != 0 && ACCESS_FLAG(F_ZF)) /* CX != 0 and ZF */
+    if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+        M.x86.R_ECX -= 1;
+    else
+        M.x86.R_CX -= 1;
+    if (((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0 &&
ACCESS_FLAG(F_ZF)) /* (E)CX != 0 and ZF */
    M.x86.R_IP = ip;
    DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
@@ -4062,8 +4130,11 @@
    ip += (s16) M.x86.R_IP;
    DECODE_PRINTF2("%04x\n", ip);
    TRACE_AND_STEP();
-    M.x86.R_CX -= 1;
-    if (M.x86.R_CX != 0)
+    if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+        M.x86.R_ECX -= 1;
+    else
+        M.x86.R_CX -= 1;
+    if (((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0)
/* (E)CX != 0 */
    M.x86.R_IP = ip;
    DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
@@ -4085,8 +4156,10 @@
target = (u16)(M.x86.R_IP + offset);
    DECODE_PRINTF2("%x\n", target);
    TRACE_AND_STEP();
-    if (M.x86.R_CX == 0)
+    if (M.x86.R_CX == 0) {
M.x86.R_IP = target;
	JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " CXZ ");
+    }
    DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
}
ip = (s16)fetch_word_imm();
ip += (s16)M.x86.R_IP;
DECODE_PRINTF2("%04x\n", ip);
+ JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, ip, " NEAR ");
TRACE_AND_STEP();
M.x86.R_IP = (u16)ip;
DECODE_CLEAR_SEGOVR();
@@ -4233,6 +4307,7 @@
cs = fetch_word_imm();
DECODE_PRINTF2("%04x:", cs);
DECODE_PRINTF2("%04x\n", ip);
+ JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, cs, ip, " FAR ");
TRACE_AND_STEP();
M.x86.R_IP = ip;
M.x86.R_CS = cs;
@@ -4254,6 +4329,7 @@
offset = (s8)fetch_byte_imm();
target = (u16)(M.x86.R_IP + offset);
DECODE_PRINTF2("%x\n", target);
+ JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, target, " BYTE ");
TRACE_AND_STEP();
M.x86.R_IP = target;
DECODE_CLEAR_SEGOVR();
@@ -4357,6 +4433,8 @@
DECODE_PRINTF("REPNE\n");
TRACE_AND_STEP();
M.x86.mode |= SYSMODE_PREFIX_REPNE;
+ if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+ M.x86.mode |= SYSMODE_32BIT_REP;
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
]
@@ -4371,6 +4449,8 @@
DECODE_PRINTF("REPE\n");
TRACE_AND_STEP();
M.x86.mode |= SYSMODE_PREFIX_REPE;
+ if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+ M.x86.mode |= SYSMODE_32BIT_REP;
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
}
@@ -5013,12 +5093,14 @@
break;
case 4: /* jmp word ptr ... */
destval = fetch_data_word(destoffset);
+ JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, destval, " WORD ");
TRACE_AND_STEP();
M.x86.R_IP = destval;
break;
case 5: /* jmp far ptr ... */
    destval = fetch_data_word(destoffset);
    destval2 = fetch_data_word(destoffset + 2);
    JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, destval2, destval, " FAR ");
    TRACE_AND_STEP();
    M.x86.R_IP = destval;
    M.x86.R_CS = destval2;
Index: prim_ops.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/prim_ops.c,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- prim_ops.c 7 Sep 2007 10:01:21 -0000 1.1
+++ prim_ops.c 16 Jan 2008 14:18:15 -0000 1.3
@@ -1921,7 +1921,7 @@
 void imul_long_direct(u32 *res_lo, u32* res_hi,u32 d, u32 s)
 {
 #ifdef __HAS_LONG_LONG__
-    s64 res = (s64)d * (s64)s;
+    s64 res = (s64)(s32)d * (s64)(s32)s;

             *res_lo = (u32)res;
             *res_hi = (u32)(res >> 32);
@@ -2013,7 +2013,7 @@
 void mul_long(u32 s)
 {
 #ifdef __HAS_LONG_LONG__
-    u64 res = (u32)M.x86.R_EAX * (u32)s;
+    u64 res = (u64)M.x86.R_EAX * s;

M.x86.R_EAX = (u32)res;
M.x86.R_EDX = (u32)(res >> 32);
@@ -2312,16 +2312,15 @@
     if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
          /* dont care whether REPE or REPNE */
-        /* in until CX is ZERO. */
-        u32 count = ((M.x86.mode & SYSMODE_PREFIX_DATA) ?
+        /* in until (E)CX is ZERO. */
+        u32 count = ((M.x86.mode & SYSMODE_32BIT_REP) ?
M.x86.R_ECX : M.x86.R_CX);
-        while (count--) {
-            single_in(size);
-            M.x86.R_DI += inc;
-        }
M.x86.R_CX = 0;
- if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+ if (M.x86.mode & SYSMODE_32BIT_REP) {
    M.x86.R_ECX = 0;
}
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
@@ -2355,15 +2354,15 @@
}
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
-    /* out until CX is ZERO. */
-    u32 count = ((M.x86.mode & SYSMODE_PREFIX_DATA) ?
+    /* out until (E)CX is ZERO. */
+    u32 count = ((M.x86.mode & SYSMODE_32BIT_REP) ?
        M.x86.R_ECX : M.x86.R_CX);
    while (count--) {
        single_out(size);
        M.x86.R_SI += inc;
    }
M.x86.R_CX = 0;
- if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+ if (M.x86.mode & SYSMODE_32BIT_REP) {
    M.x86.R_ECX = 0;
}
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
Index: sys.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/sys.c,v
retrieving revision 1.1
retrieving revision 1.2
diff -u -u -r1.1 -r1.2
--- sys.c 7 Sep 2007 10:01:21 -0000 1.1
+++ sys.c 7 Sep 2007 10:03:13 -0000 1.2
@@ -45,11 +45,6 @@
#include <x86emu/regs.h>
#include "debug.h"
#include "prim_ops.h"
-#ifdef LINUXBIOS_VERSION
-#include "io.h"
-#else
-#include <sys/io.h>
-#endif

-#ifdef IN_MODULE
+#ifdef IN_MODULE
 #include "xf86_ansic.h"
@@ -220,7 +215,7 @@
 { DB(if (DEBUG_IO_TRACE()))
printk("inb %#04x \n", addr);
-\treturn inb(addr);
+\treturn 0;
}

/**************************************************************************
@@ -235,7 +230,7 @@
{  
DB(if (DEBUG_IO_TRACE())
printk("inw %#04x \n", addr);
-\treturn inw(addr);
+\treturn 0;
}

/**************************************************************************
@@ -250,7 +245,7 @@
{  
DB(if (DEBUG_IO_TRACE())
printk("inl %#04x \n", addr);
-\treturn inl(addr);
+\treturn 0;
}

/**************************************************************************
@@ -264,7 +259,7 @@
{  
DB(if (DEBUG_IO_TRACE())
printk("outb %#02x -> %#04x \n", val, addr);
-\toutb(val, addr);
return;
}

@@ -279,7 +273,6 @@
{  
DB(if (DEBUG_IO_TRACE())
printk("outw %#04x -> %#04x \n", val, addr);
-\toutw(val, addr);
return;
}

@@ -295,7 +288,6 @@
DB(if (DEBUG_IO_TRACE())
    printk("outl %#08x -> %#04x \n", val, addr);
-\toutl(val, addr);
return;
}
void X86EMU_setMemBase(void *base, size_t size)
{
-M.mem_base = (int) base;
+M.mem_base = (unsigned long) base;
M.mem_size = size;
}

--- include/x86emu/debug.h
+++ include/x86emu/debug.h
@@ -40,8 +40,6 @@
    #define DEBUG_SYSINT()        (M.x86.debug & DEBUG_SYSINT_F)
    #define DEBUG_TRACECALL()     (M.x86.debug & DEBUG_TRACECALL_F)
    #define DEBUG_TRACECALL_REGS() (M.x86.debug & DEBUG_TRACECALL_REGS_F)
+#define DEBUG_TRACEJMP()       (M.x86.debug & DEBUG_TRACEJMP_F)
+#define DEBUG_TRACEJMP_REGS()   (M.x86.debug & DEBUG_TRACEJMP_REGS_F)
    #define DEBUG_SYS()           (M.x86.debug & DEBUG_SYS_F)
    #define DEBUG_MEM_TRACE()     (M.x86.debug & DEBUG_MEM_TRACE_F)
    #define DEBUG_IO_TRACE()      (M.x86.debug & DEBUG_IO_TRACE_F)
@@ -96,6 +96,8 @@
    #define DEBUG_SYS()           0
    #define DEBUG_MEM_TRACE()     0
    #define DEBUG_IO_TRACE()      0
+#define DEBUG_TRACEJMP()       0
+#define DEBUG_TRACEJMP_REGS()   0
    #define DEBUG_SYS()           0
    #define DEBUG_MEM_TRACE()     0
    #define DEBUG_IO_TRACE()      0
@@ -169,14 +171,20 @@
x86emu_dump_regs();                                     
    if (DEBUG_TRACECALL())                                     
        printk("%04x:%04x: CALL %s%04x:%04x\n", u, v, s, w, x);
-# define RETURN_TRACE(n,u,v)

+/* define RETURN_TRACE(u,v,w,x,s) 
if (DEBUG_TRACECALLREGS())
   x86emu_dump_regs(); 
if (DEBUG_TRACECALL())
   printk("%04x:%04x: %s\n",u,v,n);
+printk("%04x:%04x: RET %s %04x:%04x\n",u,v,s,w,x);
+/* define JMP_TRACE(u,v,w,x,s) 
   if (DEBUG_TRACEJMPREGS()) 
      x86emu_dump_regs(); 
   if (DEBUG_TRACEJMP()) 
      printk("%04x:%04x: JMP %s%04x:%04x\n", u , v, s, w, x);
#endif 
#endif 
#endif 
#endif
#endif DEBUG
Index: include/x86emu/regs.h
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/regs.h,v
retrieving revision 1.1
retrieving revision 1.4
diff -u -u -r1.1 -r1.4
--- include/x86emu/regs.h	7 Sep 2007 10:01:21 -0000	1.1
+++ include/x86emu/regs.h	15 Jan 2008 13:46:40 -0000	1.4
@@ -231,6 +231,9 @@
#define SYSMODE_PREFIX_REPNE    0x00000100
#define SYSMODE_PREFIX_DATA     0x00000200
#define SYSMODE_PREFIX_ADDR     0x00000400
+//phueper: for REP(E|NE) Instructions, we need to decide wether it should be using
+//the 32bit ECX register as or the 16bit CX register as count register
+#define SYSMODE_32BIT_REP       0x00000800
#define SYSMODE_INTR_PENDING    0x10000000
#define SYSMODE_EXTRN_INTR      0x20000000
#define SYSMODE_HALTED          0x40000000
@@ -250,7 +253,8 @@
 SYSMODE_SEGOVR_GS      | 
 SYSMODE_SEGOVR_SS      | 
 SYSMODE_PREFIX_DATA    | 
- SYSMODE_PREFIX_ADDR    | 
+#define  INTR_SYNCH           0x1
+#define  INTR_ASYNCH          0x2
@@ -274,9 +278,9 @@
/*
  u32    mode;
  volatile int    intr; /* mask of pending interrupts */
-int    debug;
+ volatile int    debug;
#endif DEBUG
-int    check;
+ int    check;
  u16    saved_ip;
  u16    saved_cs;
  int    enc_pos;
Index: include/x86emu/x86emu.h
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/x86emu.h,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- include/x86emu/x86emu.h 7 Sep 2007 10:01:21 -0000 1.1
+++ include/x86emu/x86emu.h 19 Oct 2007 08:42:15 -0000 1.3
@@ -47,6 +47,7 @@
 #include <console.h>
 #define printk(x...) printk(BIOS_DEBUG, x)
 #else
-+#include <stdio.h>
+#define printk printf
#endif
@@ -189,6 +181,8 @@
#define DEBUG_TRACECALL_REGS_F  0x004000
#define DEBUG_DECODE_NOPRINT_F  0x008000
#define DEBUG_SAVE_IP_CS_F      0x010000
+#define DEBUG_TRACEJMP_F        0x020000
+#define DEBUG_TRACEJMP_REGS_F   0x040000
#define DEBUG_SYS_F             (DEBUG_SVC_F|DEBUG_FS_F|DEBUG_PROC_F)
void X86EMU_trace_regs(void);
@@ -200,5 +194,4 @@
#endif __cplusplus
}                       /* End of "C" linkage for C++  */
#endif
- #endif /*__X86EMU_X86EMU_H */
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  Version 2.1, February 1999

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Preamble

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This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

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

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

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

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

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

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

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

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

In other cases, permission to use a particular library in non-free
programs enables a greater number of people to use a large body of
free software. For example, permission to use the GNU C Library in
non-free programs enables many more people to use the whole GNU
operating system, as well as its variant, the GNU/Linux operating
system.
Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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

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

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

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

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

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

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

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

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

<one line to give the library's name and a brief idea of what it does.>
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Also add information on how to contact you by electronic and paper mail.

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

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

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

That's all there is to it!
# Default configuration for x86_64-bsd-user

GPL License Exception:

Even though U-Boot in general is covered by the GPL-2.0/GPL-2.0+, this does *not* cover the so-called "standalone" applications that
use U-Boot services by means of the jump table provided by U-Boot
exactly for this purpose - this is merely considered normal use of
U-Boot, and does *not* fall under the heading of "derived work".

The header files "include/image.h" and "arch/*/include/asm/u-boot.h"
define interfaces to U-Boot. Including these (unmodified) header
files in another file is considered normal use of U-Boot, and does
*not* fall under the heading of "derived work".
-- Wolfgang Denk
/* $OpenBSD: syscall.h,v 1.101 2008/03/16 19:43:41 otto Exp $ */

/*
 * System call numbers.
 *
 * created from;  OpenBSD: syscalls.master,v 1.90 2008/03/16 19:42:57 otto Exp */

#define TARGET_OPENBSD_NR_syscall  0
#define TARGET_OPENBSD_NR_exit     1
#define TARGET_OPENBSD_NR_fork     2
#define TARGET_OPENBSD_NR_read     3
#define TARGET_OPENBSD_NR_write    4
#define TARGET_OPENBSD_NR_open     5
#define TARGET_OPENBSD_NR_close    6
#define TARGET_OPENBSD_NR_wait4    7
#define TARGET_OPENBSD_NR_link     9
#define TARGET_OPENBSD_NR_unlink 10
#define TARGET_OPENBSD_NR_chdir 12
#define TARGET_OPENBSD_NR_fchdir 13
#define TARGET_OPENBSD_NR_mknod 14
#define TARGET_OPENBSD_NR_chmod 15
#define TARGET_OPENBSD_NR_chown 16
#define TARGET_OPENBSD_NR_break 17
#define TARGET_OPENBSD_NR_getpid 20
#define TARGET_OPENBSD_NR_mount 21
#define TARGET_OPENBSD_NR_unmount 22
#define TARGET_OPENBSD_NR_setuid 23
#define TARGET_OPENBSD_NR_getuid 24
#define TARGET_OPENBSD_NR_geteuid 25
#define TARGET_OPENBSD_NR_ptrace 26
#define TARGET_OPENBSD_NR_recvmsg 27
#define TARGET_OPENBSD_NR_sendmsg 28
#define TARGET_OPENBSD_NR_recvfrom 29
#define TARGET_OPENBSD_NR_accept 30
#define TARGET_OPENBSD_NR_getpeername 31
#define TARGET_OPENBSD_NR_getsockopt 32
#define TARGET_OPENBSD_NR_access 33
#define TARGET_OPENBSD_NR_chflags 34
#define TARGET_OPENBSD_NR_fchflags 35
#define TARGET_OPENBSD_NR_sync 36
#define TARGET_OPENBSD_NR_kill 37
#define TARGET_OPENBSD_NR_getppid 39
#define TARGET_OPENBSD_NR_dup 41
#define TARGET_OPENBSD_NR_opipe 42
#define TARGET_OPENBSD_NR_getegid 43
#define TARGET_OPENBSD_NR_profil 44
#define TARGET_OPENBSD_NR_ktrace 45
#define TARGET_OPENBSD_NR_sigaction 46
#define TARGET_OPENBSD_NR_getgid 47
#define TARGET_OPENBSD_NR_sigprocmask 48
#define TARGET_OPENBSD_NR_getlogin 49
#define TARGET_OPENBSD_NR_setlogin 50
#define TARGET_OPENBSD_NR_acct 51
#define TARGET_OPENBSD_NR_sigpending 52
#define TARGET_OPENBSD_NR_osigaltstack 53
#define TARGET_OPENBSD_NR_ioctl 54
#define TARGET_OPENBSD_NR_reboot 55
#define TARGET_OPENBSD_NR_revoke 56
#define TARGET_OPENBSD_NR_symlink 57
#define TARGET_OPENBSD_NR_readlink 58
#define TARGET_OPENBSD_NR_execve 59
#define TARGET_OPENBSD_NR_umask 60
#define TARGET_OPENBSD_NR_chroot 61
#define TARGET_OPENBSD_NR_vfork 66
#define TARGET_OPENBSD_NR_sbrk 69  
#define TARGET_OPENBSD_NR_sstk 70  
#define TARGET_OPENBSD_NR_munmap 73  
#define TARGET_OPENBSD_NR_mprotect 74  
#define TARGET_OPENBSD_NR_madvise 75  
#define TARGET_OPENBSD_NR_mincore 78  
#define TARGET_OPENBSD_NR_getgroups 79  
#define TARGET_OPENBSD_NR_setgroups 80  
#define TARGET_OPENBSD_NR_getpgrp 81  
#define TARGET_OPENBSD_NR_setpgid 82  
#define TARGET_OPENBSD_NR_setitimer 83  
#define TARGET_OPENBSD_NR_getitimer 86  
#define TARGET_OPENBSD_NR_dup2 90  
#define TARGET_OPENBSD_NR_fcntl 92  
#define TARGET_OPENBSD_NR_select 93  
#define TARGET_OPENBSD_NR_fsync 95  
#define TARGET_OPENBSD_NR_setpriority 96  
#define TARGET_OPENBSD_NR_socket 97  
#define TARGET_OPENBSD_NR_connect 98  
#define TARGET_OPENBSD_NR_getpriority 100  
#define TARGET_OPENBSD_NR_sigreturn 103  
#define TARGET_OPENBSD_NR_bind 104  
#define TARGET_OPENBSD_NR_setsockopt 105  
#define TARGET_OPENBSD_NR_listen 106  
#define TARGET_OPENBSD_NR_sigsuspend 111  
#define TARGET_OPENBSD_NR_gettimeofday 116  
#define TARGET_OPENBSD_NR_getrusage 117  
#define TARGET_OPENBSD_NR_getsockopt 118  
#define TARGET_OPENBSD_NR_readv 120  
#define TARGET_OPENBSD_NR_writev 121  
#define TARGET_OPENBSD_NR_settimeofday 122  
#define TARGET_OPENBSD_NR_fchown 123  
#define TARGET_OPENBSD_NR_fchmod 124  
#define TARGET_OPENBSD_NR_setreuid 126  
#define TARGET_OPENBSD_NR_setregid 127  
#define TARGET_OPENBSD_NR_rename 128  
#define TARGET_OPENBSD_NR_flock 131  
#define TARGET_OPENBSD_NR_mknod 132  
#define TARGET_OPENBSD_NR_sendto 133  
#define TARGET_OPENBSD_NR_shutdown 134  
#define TARGET_OPENBSD_NR_socketpair 135  
#define TARGET_OPENBSD_NR_mkdir 136  
#define TARGET_OPENBSD_NR_rmdir 137  
#define TARGET_OPENBSD_NR_utimes 138  
#define TARGET_OPENBSD_NR_adjtime 140  
#define TARGET_OPENBSD_NR_setsid 147  
#define TARGET_OPENBSD_NR_quotactl 148  
#define TARGET_OPENBSD_NR_nfssvc 155
#define TARGET_OPENBSD_NR_getfh       161
#define TARGET_OPENBSD_NR_sysarch     165
#define TARGET_OPENBSD_NR_pread       173
#define TARGET_OPENBSD_NR_pwrite      174
#define TARGET_OPENBSD_NR_setgid      181
#define TARGET_OPENBSD_NR_setegid     182
#define TARGET_OPENBSD_NR_seteuid     183
#define TARGET_OPENBSD_NR_lfs_bmapv   184
#define TARGET_OPENBSD_NR_lfs_markv   185
#define TARGET_OPENBSD_NR_lfs_segeclean 186
#define TARGET_OPENBSD_NR_lfs_segeclean 187
#define TARGET_OPENBSD_NR_pathconf    191
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#define TARGET_OPENBSD_NR_swapctl     193
#define TARGET_OPENBSD_NR_getrlimit   194
#define TARGET_OPENBSD_NR_setrlimit   195
#define TARGET_OPENBSD_NR_getdirentries       196
#define TARGET_OPENBSD_NR_mmap        197
#define TARGET_OPENBSD_NR___syscall   198
#define TARGET_OPENBSD_NR_lseek       200
#define TARGET_OPENBSD_NR_truncate    201
#define TARGET_OPENBSD_NR___sysctl    202
#define TARGET_OPENBSD_NR_mlock       203
#define TARGET_OPENBSD_NR_munlock     204
#define TARGET_OPENBSD_NR_futimes     206
#define TARGET_OPENBSD_NR_getpgid     207
#define TARGET_OPENBSD_NR_xfspioctl   208
#define TARGET_OPENBSD_NR_semget      221
#define TARGET_OPENBSD_NR_msgget      225
#define TARGET_OPENBSD_NR_msgrcv      227
#define TARGET_OPENBSD_NR_shmat       228
#define TARGET_OPENBSD_NR_shmdt       230
#define TARGET_OPENBSD_NR_clock_gettime       232
#define TARGET_OPENBSD_NR_clock_settime       233
#define TARGET_OPENBSD_NR_clock_getres        234
#define TARGET_OPENBSD_NR_nanosleep   240
#define TARGET_OPENBSD_NR_minherit    250
#define TARGET_OPENBSD_NR_rfork       251
#define TARGET_OPENBSD_NR_poll        252
#define TARGET_OPENBSD_NR_issetugid   253
#define TARGET_OPENBSD_NR_lchown      254
#define TARGET_OPENBSD_NR_getsid      255
#define TARGET_OPENBSD_NR_msync       256
#define TARGET_OPENBSD_NR_pipe        263
#define TARGET_OPENBSD_NR_fhopen      264
#define TARGET_OPENBSD_NR_preadv      267
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#define TARGET_OPENBSD_NR_pwritev  268
#define TARGET_OPENBSD_NR_kqueue   269
#define TARGET_OPENBSD_NR_kevent   270
#define TARGET_OPENBSD_NR_mlockall  271
#define TARGET_OPENBSD_NR_munlockall 272
#define TARGET_OPENBSD_NR_getpeereid 273
#define TARGET_OPENBSD_NR_getresuid  281
#define TARGET_OPENBSD_NR_setresuid  282
#define TARGET_OPENBSD_NR_getresgid  283
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/* syscall flags from machine/trap.h */

/* $OpenBSD: trap.h,v 1.4 2008/07/04 22:04:37 kettenis Exp $ */
/* $NetBSD: trap.h,v 1.4 1999/06/07 05:28:04 eeh Exp $ */

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*
*/
#define TARGET_OPENBSD_SYSCALL_G2RFLAG 0x400   /* on success, return to %g2 rather than npc */
#define TARGET_OPENBSD_SYSCALL_G7RFLAG 0x800   /* use %g7 as above (deprecated) */

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endif
export TOP
include $(TOP)/make.rules

SUBDIRS=
ifeq ($(SNK_BIOSEMU_APPS), 1)
    SUBDIRS += x86emu
endif
CLEANSUBDIRS = $(SUBDIRS)

all :
for subdir in $(SUBDIRS) ; do $(MAKE) -C $${subdir} || exit 1 ; done

# Common targets for all subdirectories:
clean distclean depend:
for subdir in $(CLEANSUBDIRS) ; do $(MAKE) -C $${subdir} $@ ; done

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in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

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

These requirements apply to the modified work as a whole. If
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subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.
4. You may copy and distribute the Library (or a portion or
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under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

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

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

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

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

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

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

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
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modification of the work for the customer’s own use and reverse
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directing the user to the copy of this License. Also, you must do one
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a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable “work that
uses the Library”, as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

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

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

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

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

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

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

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

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c) You must cause the whole of the work to be licensed at no 
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d) If a facility in the modified Library refers to a function or a 
table of data to be supplied by an application program that uses 
the facility, other than as an argument passed when the facility 
is invoked, then you must make a good faith effort to ensure that, 
in the event an application does not supply such function or 
table, the facility still operates, and performs whatever part of 
its purpose remains meaningful.

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

These requirements apply to the modified work as a whole. If 
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entire whole, and thus to each and every part regardless of who wrote 
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Thus, it is not the intent of this section to claim rights or contest 
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In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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

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

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

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

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

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

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

6. As an exception to the Sections above, you may also combine or
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executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

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

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

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

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

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

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-- Wolfgang Denk

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David Gibson <david@gibson.dropbear.id.au>
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```
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1.47 libevent 2.0.22

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1.48 coreutils 8.30
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1.58 protobuf-c 1.3.1
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  all fields (only present with certain compiler settings).
* Added generation of field number constants.
Wink Saville <wink@google.com>
* Fixed initialization ordering problem in logging code.
Will Pierce <willp@nuclei.com>
* Small patch improving performance of in Python serialization.
Alexandre Vassalotti <alexandre@peadrop.com>
* Emacs mode for Protocol Buffers (editors/protobuf-mode.el).
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* Added Swap(), SwapElements(), and RemoveLast() to Reflection interface.
Alexander Melnikov <alm@sibmail.ru>
* HPUX support.
Oliver Jowett <oliver.jowett@gmail.com>
* Detect whether zlib is new enough in configure script.
* Fixes for Solaris 10 32/64-bit confusion.
Evan Jones <evanj@mit.edu>

* Optimize Java serialization code when writing a small message to a stream.
* Optimize Java serialization of strings so that UTF-8 encoding happens only once per string per serialization call.
* Clean up some Java warnings.
* Fix bug with permanent callbacks that delete themselves when run.
Michael Kucharski <m.kucharski@gmail.com>

* Added CodedInputStream.getTotalBytesRead().
Kacper Kowalik <xarthisius.kk@gmail.com>

* Fixed m4/acx_pthread.m4 problem for some Linux distributions.
William Orr <will@worrbase.com>

* Fixed detection of sched_yield on Solaris.
* Added atomicops for Solaris
Andrew Paprocki <andrew@ishiboo.com>

* Fixed minor IBM xlC compiler build issues
  * Added atomicops for AIX (POWER)

1.59 cracklib 2.9.5
1.59.1 Available under license :

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

[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML
looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=
\r=20
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=2Dmike

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

-- Nathan

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

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:15 PM
> To: cracklib-devel@li...
> Subject: [Cracklib-devel] cracklib license
>
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries under GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
> -mike

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML
On Monday 01 October 2007, Neulinger, Nathan wrote:
> I understand that, and you're welcome to bring it up with Alec directly
> and see if he wants to relicense his code as LGPL... but at this point,
> it was enough to just get it consistent and documented as to what it was released under. This wasn't actually a license change, just a clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not GPL-2 ... it was a modified artistic license ... i didnt notice the license change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless their applications are also GPL-2 which imo is just wrong. it isnt the place of the library to dictact to application writes what license they should be using.

thus LGPL-2.1 enters to fill this void.

=2Dmike
Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46

Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme y'all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan

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

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
> Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
>
> On Monday 01 October 2007, Neulinger, Nathan wrote:
> > I understand that, and you're welcome to bring it up with Alec
directly
> > and see if he wants to relicense his code as LGPL... but at this
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> > it was enough to just get it consistent and documented as to what
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>>
> > unlike the old license, GPL-2 prevents people from using cracklib
>unless their
> > applications are also GPL-2 which imo is just wrong. it isnt the
> > place of a
> > library to dictact to application writes what license they should
> > be using.
> thus LGPL-2.1 enters to fill this void.
> -mike

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

I am sympathetic. Guys, what do you reckon?

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

-a

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

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

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

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

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

My apologies for not chiming in in anything resembling a reasonable timeframe.

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

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

Cheers,

Nalin
which are included in Fedora. FWIW, I'd personally lean toward LGPL.

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

looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?
-mike

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

-a

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

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

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

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

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

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.
The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

-------------------------------------
From alecm@crypticide.com Mon Oct  1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
   Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
   Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
   by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
   by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id l91Gxtpr020623
   for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
   by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
   for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3])
   by rutherford.zen.co.uk with esmtp (Exim 4.50)
   id 1IcOcX-0004Qt-6L
   for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
   <EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
   <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFEBE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length: 585
Lines: 21
> 
> -------- Forwarded message --------
> From: Neulinger, Nathan <nneul@umr.edu>
> Date: Sep 27, 2007 2:58 PM
> Subject: RE: cracklib license
> To: alecm@crypto.dircon.co.uk
> 
> Any chance you could write me a self-contained email stating clearly
> that the license is being changed to GPL, so I could include that
> email
> in the repository and clean up the repository/tarballs? I have all the
> original discussion, but something succinct and self contained
> would be
> ideal.

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

Happy now? :-)

-a

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

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[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

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 Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

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specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations
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We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

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

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

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

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

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

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

^L

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

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

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

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

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

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

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

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

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the
Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

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

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

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

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

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

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

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

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

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

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

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

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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Julian Seward, Cambridge, UK.
jseward@acm.org
bzip2/libbz2 version 1.0.2 of 30 December 2001

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1.65 dnsmasq 2.79

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1.67 gawk 4.2.1

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analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
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analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

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Rev. July 25 2005
Java(tm) Servlet Specification ("Specification")
Version: 2.5
Status: FCS
Release: August 11, 2005
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src/base/fthash.c
src/base/md5.c
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src/bdf/bdfdrivr.c
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src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
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I would like to thank the following people (in alphabetical order):

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- SourceForge, for their excellent open source development platform.
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/*

PCRE is a library of functions to support regular expressions whose syntax
and semantics are as close as possible to those of the Perl 5 language.

This is JavaScriptCore's variant of the PCRE library. While this library
started out as a copy of PCRE, many of the features of PCRE have been
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1.98 libseccomp 2.3.3

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## -*-makefile-*-
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

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

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

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

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

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

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

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

%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$ (SHELL) -ec "$ (GEN_DEPS.c) $< \ 
| sed 's/\(^\*\)/\1.o : /g' > $@ ; \ 
[ -s $@ ] || rm -f $@’

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$ (SHELL) -ec "$ (GEN_DEPS.cc) $< \ 
| sed 's/\(^\*\)/\1.o : /g' > $@ ; \ 
[ -s $@ ] || rm -f $@’

## Versioned libraries rules

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

## End FreeBSD-specific setup

---

1.100 shadow 4.6

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***************************************************************************

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```
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### 1.105 bash 4.4.23

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* /opt/ws_local/PERMITS_SQL/1018366213_1591904026.58/0/asm-5-0-3-sources-
jar/org/objectweb/asm/tree/abstractInsnNode.java
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jar/org/objectweb/asm/util/checkSignatureAdapter.java
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jar/org/objectweb/asm/commons/serializedVersionUIDAdder.java
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/**
 * Creates a new [@link AnalyzerAdapter]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * [[@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)]
 * version.
 *
 * @param owner
 * the owner's class name.
* @param access
  * the method's access flags (see [@link Opcodes]).
* @param name
  * the method's name.
* @param desc
  * the method's descriptor (see [@link Type Type]).
* @param mv
  * the method visitor to which this adapter delegates calls. May
  * be <tt>null</tt>.
* @throws IllegalStateException
  * If a subclass calls this constructor.
*/

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/**
* Constructs a new { @link LocalVariableAnnotationNode }. <i>Subclasses must...
* not use this constructor</i>. Instead, they must use the
* {[@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)]
* version.
*
* @param typeRef
* a reference to the annotated type. See {[@link TypeReference]}.
* @param typePath
* the path to the annotated type argument, wildcard bound, array
* element type, or static inner type within 'typeRef'. May be
* <tt>null</tt> if the annotation targets 'typeRef' as a whole.
* @param start
* the fist instructions corresponding to the continuous ranges
* that make the scope of this local variable (inclusive).
* @param end
* the last instructions corresponding to the continuous ranges
* that make the scope of this local variable (exclusive). This
* array must have the same size as the 'start' array.
* @param index
* the local variable's index in each range. This array must have
* the same size as the 'start' array.
* @param desc
* the class descriptor of the annotation class.
*/

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/**
* Constructs a new [@link Textifier]. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the [@link #Textifier(int)]
* version.
* @throws IllegalStateException
*/

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* If a subclass calls this constructor.
*/

Found in path(s):
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  jar/org/objectweb/asm/util/ASMifiable.java
* /opt/ws_local/PERMITS_SQL/1018366213_1591904026.58/0/asm-5-0-3-sources-
  jar/org/objectweb/asm/util/Textifiable.java

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  jar/org/objectweb/asm/TypePath.java
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  jar/org/objectweb/asm/TypeReference.java

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/**
* Constructs a new [@link ClassNode]. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the [@link #ClassNode(int)]
* version.
*
* @throws IllegalStateException

---

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* If a subclass calls this constructor.
*/

Found in path(s):
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 */
/**
 * Creates a new JSRInliner. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * [ @link JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[]) ]
 * version.
 * @param mv
 * the <code>MethodVisitor</code> to send the resulting inlined
 * method code to (use <code>null</code> for none).
 * @param access
 * the method's access flags (see [ @link Opcodes ]). This
Parameter also indicates if the method is synthetic and/or deprecated.

@throws IllegalStateException
If a subclass calls this constructor.

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/**
 * Creates a new [@link GeneratorAdapter]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * [@link #GeneratorAdapter(int, MethodVisitor, int, String, String)]
 * version.
 *
 * @param mv
 * the method visitor to which this adapter delegates calls.
 * @param access
 * the method’s access flags (see [@link Opcodes]).
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see [@link Type]).
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

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* /opt/ws_local/PERMITS_SQL/1018366213_1591904026.58/0/asm-5-0-3-sources-
  jar/org/objectweb/asm/signature/package.html
* /opt/ws_local/PERMITS_SQL/1018366213_1591904026.58/0/asm-5-0-3-sources-
  jar/org/objectweb/asm/commons/package.html
* /opt/ws_local/PERMITS_SQL/1018366213_1591904026.58/0/asm-5-0-3-sources-
  jar/org/objectweb/asm/package.html
* /opt/ws_local/PERMITS_SQL/1018366213_1591904026.58/0/asm-5-0-3-sources-
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1.113 commons-collections 3.2.1

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1.114 protobuf 3.6.1

1.115 gdbm 1.18

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1.117 libcroco 0.6.12

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1.118 ps-tree 23.1
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1.119 acl 2.2.52

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* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/pattern/NameTest.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/NamespaceContext.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/pattern/NodeTest.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultXPathExpr.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/JaxenException.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/LiteralExpr.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultUnaryExpr.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/pattern/NodeTest.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/VariableContext.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultOrExpr.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/FunctionCallExpr.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/function/StringLengthFunction.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/FilterExpr.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/dom/DOMXPath.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultGreaterThanExpr.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/function/StartsWithFunction.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/pattern/TextNodeTest.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultAllNodeStep.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/CommentNodeStep.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultRelativeLocationPath.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/function/CeilingFunction.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/util/PrecedingSiblingAxisIterator.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/SimpleFunctionContext.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/util/StackedIterator.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/FunctionContext.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/util/SingletonList.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/javabean/JavaBeanXPath.java
jar/org/jaxen/expr/iter/IterablePrecedingAxis.java

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* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/JaxenConstants.java
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jar/org/jaxen/JaxenRuntimeException.java
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* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/saxpath/XPathHandler.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/PredicateSet.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/NumberExpr.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultAbsoluteLocationPath.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/saxpath/XPathSyntaxException.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultModExpr.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/saxpath/helpers/DefaultXPathHandler.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/saxpath/helpers/XPathReaderFactory.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/saxpath/XPathReader.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/saxpath/Operator.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultXPathFactory.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/saxpath/base/XPathLexer.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/AdditiveExpr.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/saxpath/base/XPathReader.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultMinusExpr.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultLocationPath.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/saxpath/SAXPathEventSource.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultPathExpr.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/saxpath/base/Token.java
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  jar/org/jaxen/util/DescendantAxisIterator.java
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  jar/org/jaxen/util/PrecedingAxisIterator.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
  jar/org/jaxen/dom/DocumentNavigator.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
  jar/org/jaxen/util/DescendantOrSelfAxisIterator.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
  jar/org/jaxen/util/AncestorOrSelfAxisIterator.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
  jar/org/jaxen/Navigator.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/util/FollowingAxisIterator.java

1.127 libjpeg 6b

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DOCUMENTATION ROADMAP
=====================

This file contains the following sections:

OVERVIEW            General description of JPEG and the IJG software.
LEGAL ISSUES        Copyright, lack of warranty, terms of distribution.
REFERENCES          Where to learn more about JPEG.
ARCHIVE LOCATIONS   Where to find newer versions of this software.
RELATED SOFTWARE    Other stuff you should get.
FILE FORMAT WARS    Software *not* to get.
TO DO               Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:

install.doc       How to configure and install the IJG software.
usage.doc         Usage instructions for cjpeg, djpeg, jpegtran,
                   rdjpgcom, and wrjpgcom.
*.1                Unix-style man pages for programs (same info as usage.doc).
wizard.doc         Advanced usage instructions for JPEG wizards only.
change.log         Version-to-version change highlights.

Programmer and internal documentation:

libjpeg.doc       How to use the JPEG library in your own programs.
example.c         Sample code for calling the JPEG library.
structure.doc     Overview of the JPEG library's internal structure.
filelist.doc      Road map of IJG files.
coderules.doc     Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information
can also be found in the JPEG FAQ (Frequently Asked Questions) article. See
ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or
more of the REFERENCES, then looking at the documentation files (in roughly
the order listed) before diving into the code.

OVERVIEW
========

This package contains C software to implement JPEG image compression and
decompression. JPEG (pronounced "jay-peg") is a standardized compression
method for full-color and gray-scale images. JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

We are required to state that
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REFERENCES
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We highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz. The file (actually
a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...


The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:

Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314
A PostScript version of this document is available by FTP at
ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text
version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing
the figures.

The TIFF 6.0 file format specification can be obtained by FTP from
found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems.
IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6).
Instead, we recommend the JPEG design proposed by TIFF Technical Note #2
(Compression tag 7). Copies of this Note can be obtained from ftp.sgi.com or
from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision
of the TIFF spec will replace the 6.0 JPEG design with the Note's design.
Although IJG's own code does not support TIFF/JPEG, the free libtiff library
uses our library to implement TIFF/JPEG per the Note. libtiff is available

ARCHIVE LOCATIONS

The "official" archive site for this software is ftp.uu.net (Internet
address 192.48.96.9). The most recent released version can always be found
there in directory graphics/jpeg. This particular version will be archived
as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have
direct Internet access, UUNET's archives are also available via UUCP; contact
help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only
ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from
the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or
on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12
"JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net
release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of
general information about JPEG. It is updated constantly and therefore is
not included in this distribution. The FAQ is posted every two weeks to
Usenet newsgroups comp.graphics.misc, news.answers, and other groups.
It is available on the World Wide Web at http://www.faqs.org/faq/jpeg-faq/
and other news.answers archive sites, including the official news.answers
If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu
with body
send usenet/news.answers/jpeg-faq/part1
Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/. Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from ftp://havefun.stanford.edu/pub/jpeg/. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should
be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

**TO DO**

The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

---

**1.128 boost 1.68.0**

**1.128.1 Available under license:**

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

HISTORY -

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

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

Some other contributors:

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

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


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http_parser.c is based on src/http/ngx_http_parse.c from NGINX copyright Igor Sysoev.

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[#mpl]

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The header `<boost/mp11/mpl.hpp>`, when included, defines the necessary support infrastructure for `mp_list` and `std::tuple` to be valid link:../../../../libs/mpl[MPL] sequences.

NOTE: `mpl.hpp` is not included by `<boost/mp11.hpp>`.

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1.131 xerces-j 2.11.0

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1.132 bind-utils 9.11.4

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    <xsl:param name="text"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
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    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

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

Author: Julio Merino <jmmv84@gmail.com>

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

Author: Julio Merino <jmmv84@gmail.com>

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

1.133 pam 1.3.0

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

1.134 kmod 25+git0+aca4eca103

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

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

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5c9f2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

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

Author: Julio Merino <jmmv84@gmail.com>

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

Author: Julio Merino <jmmv84@gmail.com>
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  xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
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  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="$isc.copyright.leader"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
      </xsl:call-template>
    </xsl:if>
  </xsl:template>

  <xsl:variable name="isc.copyright.text">
    <xsl:text>
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  <xsl:variable name="isc.copyright">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="text">
        <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
          Copyright (C) </xsl:text>
          <xsl:call-template name="copyright.years">
            <xsl:with-param name="years" select="year"/>
          </xsl:call-template>
        </xsl:for-each>
      </xsl:with-param/>
    </xsl:call-template>
  </xsl:variable>
</xsl:stylesheet>
1.136 esapi 2.1.0

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Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
Bostley, P.J.
Bowes, Keith
Boyce, Keith Garry
Brantley, Michael
Braun, Rob
Bezina, Pavel
Brooks, Piete
Brown, Jerry
Burr, Michael E
Burton, Ross
Bussjaeger, Andreas
Calvin, Gary
Campbell, Aaron
Chazelas, Stephane
ek, Vtzslav
Coleman, Chris
Corzine, Deven T.
Cusack, Frank
Dai, Wei
Dill, David
Earickson, Jeff
Eckhardt, Drew
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Esipovich, Marc
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Faigon, Ariel
Farrell, Brian
Fobes, Steve
Fry singer, Mike
Meskes, Michael
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Miller, Todd C.
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Morris, Charles
Mueller, Andreas
Miller, Dworkin
Nieusma, Jeff
Nikitser, Peter A.
Nussel, Ludwig
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Paquet, Eric
Paradis, Chantal
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Perera, Andres
Peron, Christian S.J.
Peschel, Aaron
Peslyak, Alexander
Peterson, Toby
Petten, Diego Elio
Pickett, Joel
Plotnick, Alex
de Raadt, Theo
Rasch, Gudleik
Reid, Steve
Richards, Matt
Rossum, Guido van
Rouillard, John P.
Rowe, William A., Jr.
Roy, Alain
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Saucier, Jean-Francois
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Schuring, Arno
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Scott, Dougal
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Simon, Thor Lancelot
Slemko, Marc
Smith, Andy
Sobrado, Igor
Soulen, Steven
Spangler, Aaron
Spradling, Cloyce D.
Stier, Matthew
Stoeckmann, Tobias
Street, Russell
Stritzky, Tilo
Stroucken, Michael
Tarrall, Robert
Thomas, Matthew
Todd, Giles
Toft, Martin
Torek, Chris
Tucker, Darren
Uhl, Robert
Uzel, Petr
Valery, Reznic
Van Dinter, Theo
Venckus, Martynas
de Vries, Maarten
Wagner, Klaus
Walsh, Dan
Warburton, John
Webb, Kirk
Wetzel, Timm
Wieringen, Marco van
Wilk, Jakub
Winiger, Gary
Wood, David
Zacarias, Gustavo
Zolnowsky, John

The following people have worked to translate sudo into other languages:

Blittermann, Mario
Bogusz, Jakub
Buo-ren, Lin
Casagrande, Milo
Castro, Felipe
Cho, Seong-ho
Chornoivan, Yuri
Diguez, Francisco
Fontenelle, Rafael
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<signature of Ty Coon>, 1 April 1990
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Version 3, 29 June 2007

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### 1.143 syslog-ng 3.16.1

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  <xsl:text>&#10;</xsl:text>
  <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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

* atf-c/ui.c: The format_paragraph and format_text functions were derived form the ones in the Monotone project, revision 3a0982da30822b8d796df35fd35f98d787c5ccf2bb5b6.

  Author: Julio Merino <jmmv@NetBSD.org>
* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
These files were derived from the file_handle, systembuf, pipe and pistream
classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

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

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1.152 harfbuzz 1.8.8

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1.153 luajit 2.0.5

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1.154 cyrus-sasl 2.1.27
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 * Tim Martin
 * Rob Earhart
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 */

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1.162 icu 62

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## Commands to generate dependency files
GEN_DEPS.c=$$(CC) -E -MM $$(DEFS) $$($(CPPFLAGS))
GEN_DEPS.cc=$$(CXX) -E -MM $$(DEFS) $$($(CPPFLAGS))

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

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

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

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

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

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

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

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

## Versioned libraries rules

## Bind internal references

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

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

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

## End BSD-specific setup

1.163 zlib 1.2.11

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/* zlib.h -- interface of the 'zlib' general purpose compression library
   version 1.2.11, January 15th, 2017
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1.164 hibernate-validator 5.0.2.Final
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1.166 giflib 1.0

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1.167 zlib 1.2.3

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version 1.2.11, January 15th, 2017

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1.175 bridgeutils 1.6

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1.178 p11-kit 0.23.14

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include/GL/wglxext.h :

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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The End
license: http://dev.perl.org/licenses/
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version: 3
#!perl
=head1 NAME
copyright.t
=head1 DESCRIPTION
Tests that the latest copyright years in the top-level README file and the
C<perl -v> output match each other.
If the test fails, update at least one of README and perl.c so that they match
reality.
Optionally you can pass the C<--now> option to check they are at the current
year. This isn't checked by default, so that it doesn't fail for people
working on older releases. It should be run before making a new release.
=cut
use strict;
use Config;
BEGIN { require './test.pl' }
if ( $Config{usecrosscompile} ) {
skip_all( "Not all files are available during cross-compilation" );
}
my ($opt) = @ARGV;
my $readme_year = readme_year();
my $v_year = v_year();
# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
my $current_year = (gmtime)[5] + 1900;
is $v_year, $current_year, 'perl -v copyright includes current year';
is $readme_year, $current_year, 'README copyright includes current year';
}
# Otherwise simply check that the two copyright dates match each other:
else
{

Open Source Used In ASA-RM 9.15.1 2942


is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

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

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

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

    $year;
}

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

    $year;
}

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End

1.194 sysv-init 2.88

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1.197 gdbm 1.11

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# include "autoconf.h"
# include "gdbmdefs.h"
# include "gdbm.h"
# include <sys/types.h>
# include <pwd.h>
# include <grp.h>

struct datbuf
{
    unsigned char *buffer;
    size_t size;

struct dump_file
{
  FILE *fp;
  size_t line;

  char *linebuf;
  size_t lbsize;
  size_t lblevel;

  char *buffer;
  size_t bufsize;
  size_t buflevel;

  size_t parmc;

  struct datbuf data[2];
  char *header;
};

static void
dump_file_free (struct dump_file *file)
{
  free (file->linebuf);
  free (file->buffer);
  free (file->data[0].buffer);
  free (file->data[1].buffer);
  free (file->header);
}

static const char *
getparm (const char *buf, const char *parm)
{
  if (!buf)
    return NULL;
  while (*buf)
  {
    const char *p;
    for (p = parm; *p == *buf; p++, buf++)
      ;
    if (*p == 0 && *buf == '=')
      return buf + 1;
    buf += strlen (buf) + 1;
  }
  return NULL;
}
static size_t
get_dump_line (struct dump_file *file)
{
  char buf[80];

  if (file->lblevel == 0)
    {
      while (fgets (buf, sizeof buf, file->fp))
      {
        size_t n = strlen (buf);

        if (buf[n-1] == '\n')
          {
            file->line++;
            --n;
          }

        if (n + 1 + file->lblevel > file->lbsize)
          {
            size_t s = ((file->lblevel + n + _GDBM_MAX_DUMP_LINE_LEN) /
                        _GDBM_MAX_DUMP_LINE_LEN) * _GDBM_MAX_DUMP_LINE_LEN;
            char *newp = realloc (file->linebuf, s);
            if (!newp)
              return GDBM_MALLOC_ERROR;
            file->linebuf = newp;
            file->lbsize = s;
          }

        memcpy (file->linebuf + file->lblevel, buf, n);
        file->lblevel += n;
        if (buf[n])
          {
            file->linebuf[file->lblevel] = 0;
            break;
          }
    }
  }

  return file->lblevel;
}

static int
get_data (struct dump_file *file)
{
  size_t n;

  file->buflevel = 0;
  file->parmc = 0;
while ((n = get_dump_line (file)))
{
    if (file->linebuf[0] == '#')
        return 0;
    if (n + file->buflevel > file->bufsize)
    {
        size_t s = ((file->buflevel + n + _GDBM_MAX_DUMP_LINE_LEN - 1)
                     / _GDBM_MAX_DUMP_LINE_LEN)
                   * _GDBM_MAX_DUMP_LINE_LEN;
        char *newp = realloc (file->buffer, s);
        if (!newp)
            return GDBM_MALLOC_ERROR;
        file->buffer = newp;
        file->bufsize = s;
    }
    memcpy (file->buffer + file->buflevel, file->linebuf, n);
    file->buflevel += n;
    file->lblevel = 0;
}
return ferror (file->fp) ? GDBM_FILE_READ_ERROR : 0;
}

static int
get_parms (struct dump_file *file)
{
    size_t n;

    file->buflevel = 0;
    file->parmc = 0;
    while ((n = get_dump_line (file)))
    {
        char *p;

        p = file->linebuf;
        if (*p != '#')
            return 0;
        if (n == 0 || *++p != ':')
            continue;
        if (--n == 0)
            continue;
    }
    return 0;
}
if (n + 1 + file->buflevel > file->bufsize)
{
    size_t s = ((file->buflevel + n + _GDBM_MAX_DUMP_LINE_LEN) / _GDBM_MAX_DUMP_LINE_LEN) * _GDBM_MAX_DUMP_LINE_LEN;
    char *newp = realloc (file->buffer, s);
    if (!newp)
        return GDBM_MALLOC_ERROR;
    file->buffer = newp;
    file->bufsize = s;
}

    while (*p)
    {
        p++;
        while (*p == ' ' || *p == '	')
            p++;
        if (*p)
        {
            while (*p && *p != '=')
                file->buffer[file->buflevel++] = *p++;

                if (*p == '=')
                {
                    file->buffer[file->buflevel++] = *p++;
                    if (*p == '"')
                    {
                        p++;
                        while (*p && *p != '"')
                            file->buffer[file->buflevel++] = *p++;

                        if (*p == '"')
                            p++;
                    } else
                    {
                        while (!(*p == 0 || *p == ','))
                            file->buffer[file->buflevel++] = *p++;
                        file->parmc++;
                        file->buffer[file->buflevel++] = 0;
                    }
                } else
                {
                    return GDBM_ILLEGAL_DATA;
                } else
                break;
    }
file->blevel = 0;
}

file->buffer[file->buflevel] = 0;

return ferror (file->fp) ? GDBM_FILE_READ_ERROR : 0;
}

int
get_len (const char *param, size_t *plen)
{
unsigned long n;
const char *p = getparm (param, "len");
char *end;

if (!p)
    return GDBM_ITEM_NOT_FOUND;

errno = 0;
n = strtol (p, &end, 10);
if (*end == 0 && errno == 0)
{
    *plen = n;
    return 0;
}

return GDBM_ILLEGAL_DATA;
}

int
read_record (struct dump_file *file, char *param, int n, datum *dat)
{
int rc;
size_t len, consumed_size, decoded_size;

if (!param)
{
    rc = get_parms (file);
    if (rc)
        return rc;
    if (file->parmc == 0)
        return GDBM_ITEM_NOT_FOUND;
    param = file->buffer;
}
rc = get_len (param, &len);
if (rc)
    return rc;
dat->dsize = len; /* FIXME: data type mismatch */
rc = get_data (file);
if (rc)
    return rc;

rc = _gdbm_base64_decode ((unsigned char *)file->buffer, file->buflevel,
    &file->data[n].buffer, &file->data[n].size,
    &consumed_size, &decoded_size);
if (rc)
    return rc;
if (consumed_size != file->buflevel || decoded_size != len)
    return GDBM_ILLEGAL_DATA;
dat->dptr = (void*) file->data[n].buffer;
return 0;
}

#define META_UID  0x01
#define META_GID  0x02
#define META_MODE 0x04

static int
_set_gdbm_meta_info (GDBM_FILE dbf, char *param, int meta_mask)
{
    unsigned long n;
    uid_t owner_uid;
    uid_t owner_gid;
    mode_t mode;
    int meta_flags = 0;
    const char *p;
    char *end;
    int rc = 0;

    if (!(meta_mask & GDBM_META_MASK_OWNER))
    {
        p = getparm (param, "user");
        if (p)
        {
            struct passwd *pw = getpwnam (p);
            if (pw)
            {
                owner_uid = pw->pw_uid;
                meta_flags |= META_UID;
            }
        }
        if (!(meta_flags & META_UID) && (p = getparm (param, "uid")))
        {
            errno = 0;
            n = strtol (p, &end, 10);
        }
    }
    if (!((meta_flags & META_UID) & (p = getparm (param, "uid"))))
    {
        errno = 0;
        n = strtol (p, &end, 10);
    }
if (*end == 0 && errno == 0)
{
    owner_uid = n;
    meta_flags |= META_UID;
}
}

p = getparm (param, "group");
if (p)
{
    struct group *gr = getgrnam (p);
    if (gr)
    {
        owner_gid = gr->gr_gid;
        meta_flags |= META_GID;
    }
}
if (!(meta_flags & META_GID) && (p = getparm (param, "gid")) ||
{
    errno = 0;
    n = strtoul (p, &end, 10);
    if (*end == 0 && errno == 0)
    {
        owner_gid = n;
        meta_flags |= META_GID;
    }
}

if (!(meta_mask & GDBM_META_MASK_MODE))
{
    p = getparm (param, "mode");
    if (p)
    {
        errno = 0;
        n = strtoul (p, &end, 8);
        if (*end == 0 && errno == 0)
        {
            mode = n & 0777;
            meta_flags |= META_MODE;
        }
    }
}
if (meta_flags)
{
    int fd = gdbm_fdesc (dbf);
    if (getuid () == 0 && (meta_flags & (META_UID|META_GID)))
if ((meta_flags & (META_UID|META_GID)) != (META_UID|META_GID))
{
    struct stat st;
    fstat (fd, &st);
    if (!((meta_flags & META_UID))
        owner_uid = st.st_uid;
    if (!((meta_flags & META_GID))
        owner_gid = st.st_gid;
}
if (fchown (fd, owner_uid, owner_gid))
{
    gdbm_errno = GDBM_ERR_FILE_OWNER;
    rc = 1;
}
if ((meta_flags & META_MODE) && fchmod (fd, mode))
{
    gdbm_errno = GDBM_ERR_FILE_OWNER;
    rc = 1;
}
return rc;

int _gdbm_load_file (struct dump_file *file, GDBM_FILE dbf, GDBM_FILE *ofp,
        int replace, int meta_mask)
{
    char *param = NULL;
    int rc;
    GDBM_FILE tmp = NULL;

    rc = get_parms (file);
    if (rc)
        return rc;
    if (file->parmc)
    {
        file->header = file->buffer;
        file->buffer = NULL;
        file->bufsize = file->buflevel = 0;
    }
    else
        return GDBM_ILLEGAL_DATA;

    if (!dbf)
    {
        }
const char *filename = getparm (file->header, "file");
if (!filename)
return GDBM_NO_DBNAME;

tmp = gdbm_open (filename, 0,
    replace ? GDBM_WRCREAT : GDBM_NEWDB, 0600, NULL);
if (!tmp)
return gdbm_errno;
dbf = tmp;
}

param = file->header;
while (1)
{
    datum key, content;
    rc = read_record (file, param, 0, &key);
    if (rc)
    {
        if (rc == GDBM_ITEM_NOT_FOUND && feof (file->fp))
            rc = 0;
        break;
    }
    param = NULL;
    rc = read_record (file, NULL, 1, &content);
    if (rc)
        break;
    if (gdbm_store (dbf, key, content, replace))
    {
        rc = gdbm_errno;
        break;
    }
}

if (rc == 0)
{
    rc = _set_gdbm_meta_info (dbf, file->header, meta_mask);
    *ofp = dbf;
}
else if (tmp)
    gdbm_close (tmp);

return rc;
}

static int
read_bdb_header (struct dump_file *file)
{
char buf[256];

file->line = 1;
if (!fgets (buf, sizeof (buf), file->fp))
    return -1;
if (strcmp (buf, "VERSION=3\n"))
    return -1;
while (fgets (buf, sizeof (buf), file->fp))
{
    ++file->line;
    if (strcmp (buf, "HEADER=END\n") == 0)
        return 0;
}
return -1;

static int

c2x (int c)
{
    static char xdig[] = "0123456789abcdef";
    char *p = strchr (xdig, c);
    if (!p)
        return -1;
    return p - xdig;
}

#define DINCR 128

static int

xdatum_read (FILE *fp, datum *d, size_t *pdmax)
{
    int c;
    size_t dmax = *pdmax;

    d->dsize = 0;
    while ((c = fgetc (fp)) != EOF && c != '\n')
    {
        int t, n;

        t = c2x (c);
        if (t == -1)
            return EOF;
        t <<= 4;
        if ((c = fgetc (fp)) == EOF)
            break;

        n = c2x (c);

        d->dsize = dmax;
        d->data = (char *)malloc (d->dsize);
        if (d->data == NULL)
            break;
        d->dsize = 0;
        d->data[0] = t;
        d->data[1] = n;
        d->dsize = dmax - (n + t);
    }
    *pdmax = dmax;
    return d->dsize;
}
if (n == -1)
return EOF;

if (d->ds == dmax)
{
char *np = realloc (d->dp, dmax + DINCR);
if (!np)
    return GDBM_MALLOC_ERROR;
d->dp = np;
dmax += DINCR;
}
d->dp[d->ds++] = t;

*pds = dmax;
if (c == 'n')
    return 0;
return c;
}

int
gdbm_load_bdb_dump (struct dump_file *file, GDBM_FILE dbf, int replace)
{
datum xd[2];
siz_t xs[2];
int rc, c;
int i;

if (read_bdb_header (file))
    return -1;
memset (&xd, 0, sizeof (xd));
x[0] = x[1] = 0;
i = 0;
while ((c = fgetc (file->fp)) == ' ')
{
    rc = xdatum_read (file->fp, &xd[i], &xs[i]);
    if (rc)
break;
    ++file->line;
}
//FIXME: Read "DATA=END"
free (xd[0].dptr);
free (xd[1].dptr);
if (rc == 0 && i)
    rc = EOF;

return rc;
}

int
gdbm_load_from_file (GDBM_FILE *pdbf, FILE *fp, int replace,
    int meta_mask,
    unsigned long *line)
{
    struct dump_file df;
    int rc;

    if (!pdbf || !fp)
        return EINVAL;

    /* Guess input file format */
    rc = fgetc (fp);
    ungetc (rc, fp);
    if (rc == '!')
        { if (line)
            *line = 0;
            if (!*pdbf)
                { gdbm_errno = GDBM_NO_DBNAME;
                    return -1;
                }
            gdbm_load_bdb_dump (&df, *pdbf, replace);
        return 0;
    }
    memset (&df, 0, sizeof df);
    df.fp = fp;

    if (rc == 'V')
        { if (!*pdbf)
            { gdbm_errno = GDBM_NO_DBNAME;
                return -1;
            }
            rc = gdbm_load_bdb_dump (&df, *pdbf, replace);
        }
else
    rc = _gdbm_load_file (&df, *pdbf, pdbf, replace, meta_mask);
dump_file_free (&df);
if (rc)
    {
        if (line)
            *line = df.line;
        gdbm_errno = rc;
        return -1;
    }
return 0;
}

int

gdbm_load (GDBM_FILE *pdbf, const char *filename, int replace,
    int meta_mask,
    unsigned long *line)
{
    FILE *fp;
    int rc;

    fp = fopen (filename, "r");
    if (!fp)
        {
            gdbm_errno = GDBM_FILE_OPEN_ERROR;
            return -1;
        }
    rc = gdbm_load_from_file (pdbf, fp, replace, meta_mask, line);
    fclose (fp);
    return rc;
}

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copyright = {
    date = "1992-2017";
    owner = "The University of Delaware and Network Time Foundation";
    eaddr = "http://bugs.ntp.org, bugs@ntp.org";
    type = ntp;
};

long-opts;
config-header = config.h;
environrc;
no-misuse-usage;
version-proc = ntpOptionPrintVersion;

version = `eval VERSION=`\ sed -e 's/.*,\[\]/\[\]/ -e 's/\].*/\]/ < ../sntp/m4/version.m4``
[ -z "$\{VERSION\}" ] && echo "Cannot determine VERSION" && kill -TERM $AG_pid
echo VERSION``;

version-value = ";"/* Don't use -v as a shortcut for --version */

/*
* HMS: man pages already have this, and texi pages can use the
* values in sntp/include/version.texi .
*/
// doc-sub = {
//     sub-name = version;
//     sub-text = 's/#VERSION#/<<version>>/g';
// };

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makeover, various other bits (see the ChangeLog)
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58. [62]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5c8f2bb5b6.

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

Author: Julio Merino <jmmv84@gmail.com>

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

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*
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*
* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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1.205 tcl 8.6.8

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

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

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

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This option is useful when you wish to copy part of the code of
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medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
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distribute the source code, even though third parties are not
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5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
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work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

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

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

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

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

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

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

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

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

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

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

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

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

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Info-ZIP group, with large contributions from (but not limited to):
Greg Roelofs (overall program logic, ZipInfo, unshrink, filename
mapping/portability, etc.), Mark Adler (inflate, explode, funzip),
Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine
Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows
DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and
others. See the file CONTRIBS in the source distribution for a much
more complete list of contributors.
The decompression core code for the deflate method (inflate.[ch],
explode.c) was originally written by Mark Adler who submitted it
as public domain code.

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# Constant-time SSSE3 AES core implementation.
# version 0.1
#
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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>  
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<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
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1.220 cryptsetup 2.0.4
1.220.1 Available under license :

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Version 2.1, February 1999

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

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

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

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

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

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

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

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.
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1.221 openssh 8.0

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version 1.2.11, January 15th, 2017

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```
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1.225 libxml 2.9.8

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1.226 zulu-jre 1.8.0

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1.231 curl 7.61.0
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==============

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

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

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

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

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.
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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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

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

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

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies
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It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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

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

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

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Provides the "_test_pytalloc" Python module.

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^L

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

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   However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License.
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   If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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

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

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

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1.241 openjsse 1.1.3

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 * ChunkedProducer.java February 2007
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*/

1.243 libprotobuf-compiler
3.6.1+git0+48cb18e5c4
1.243.1 Available under license:

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Metadata-Version: 1.1
Name: protobuf
Version: 3.6.1
Summary: Protocol Buffers
Home-page: https://developers.google.com/protocol-buffers/
Author: protobuf@googlegroups.com
Author-email: protobuf@googlegroups.com
License: 3-Clause BSD License
Download-URL: https://github.com/google/protobuf/releases
Description: Protocol Buffers are Google's data interchange format
Platform: UNKNOWN
Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 3.3
Classifier: Programming Language :: Python :: 3.4

Found in path(s):
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-3.6.1/protobuf.egg-info/PKG-INFO
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-3.6.1/PKG-INFO
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* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-3.6.1/google/protobuf/__init__.py
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* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-3.6.1/setup.py
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* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-3.6.1/google/protobuf/internal/message_listener.py
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-3.6.1/google/protobuf/descriptor_database.py
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-3.6.1/google/protobuf/descriptor.py
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-3.6.1/google/protobuf/internal/api_implementation.py
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-3.6.1/google/protobuf/internal/wire_format.py
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-3.6.1/google/protobuf/internal/well_known_types.py
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-3.6.1/google/protobuf/internal/enum_type_wrapper.py
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-3.6.1/google/protobuf/pyext/cpp_message.py
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-3.6.1/google/protobuf/json_format.py
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-3.6.1/google/protobuf/text_format.py
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-
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* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-
  3.6.1/google/protobuf/service.py
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-
  3.6.1/google/protobuf/symbol_database.py
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-
  3.6.1/google/protobuf/decoder.py
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-
  3.6.1/google/protobuf/message.py
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-
  3.6.1/google/protobuf/descriptor_pool.py
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-
  3.6.1/google/protobuf/containers.py
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-
  3.6.1/google/protobuf/reflection.py
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-
  3.6.1/google/protobuf/service_reflection.py
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-
  3.6.1/google/protobuf/text_encoding.py
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-
  3.6.1/google/protobuf/service.py
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-
  3.6.1/google/protobuf_INTERNAL/type_checkers.py
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-
  3.6.1/google/protobuf_INTERNAL/encoder.py
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-
  3.6.1/google/protobuf_INTERNAL/parameterized.py
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-
  3.6.1/google/protobuf_INTERNAL/python_message.py
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-
  3.6.1/google/protobuf_INTERNAL/containers.py
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-
  3.6.1/google/protobuf/Internal/testing_refleaks.py
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-
  3.6.1/google/protobuf/Internal/containers.cc
* /opt/cola/permits/1089333346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-
  3.6.1/google/protobuf/Internal/text_encoding.cc

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3.6.1/google/protobuf/internal/api_implementation.cc
* /opt/cola/permits/108933346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-
3.6.1/google/protobuf/pyext/message.cc
* /opt/cola/permits/108933346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-
3.6.1/google/protobuf/pyext/descriptor_pool.cc
* /opt/cola/permits/108933346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-
3.6.1/google/protobuf/pyext/repeated_scalar_container.h
* /opt/cola/permits/108933346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-
3.6.1/google/protobuf/pyext/safe_numerics.h
* /opt/cola/permits/108933346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-
3.6.1/google/protobuf/pyext/repeated_composite_container.cc
* /opt/cola/permits/108933346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-
3.6.1/google/protobuf/pyext/repeated_scalar_container.cc
* /opt/cola/permits/108933346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-
3.6.1/google/protobuf/pyext/thread_unsafe_shared_ptr.h
* /opt/cola/permits/108933346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-
3.6.1/google/protobuf/pyext/descriptor_database.cc
* /opt/cola/permits/108933346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-
3.6.1/google/protobuf/pyext/message.h
* /opt/cola/permits/108933346_1602701683.17/0/protobuf-3-6-1-1-tar-gz/protobuf-

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package org.apache.axis.client;

import org.apache.axis.AxisFault;
import org.apache.axis.EngineConfiguration;
import org.apache.axis.components.logger.LogFactory;
import org.apache.axis.deployment.wsdd.WSDDConstants;
import org.apache.axis.message.SOAPBodyElement;
import org.apache.axis.utils.Messages;
import org.apache.axis.utils.Options;
import org.apache.axis.utils.StringUtils;
import org.apache.commons.logging.Log;
import javax.xml.rpc.ServiceException;
import java.io.ByteArrayInputStream;
import java.io.FileInputStream;
import java.io.InputStream;
import java.net.URL;
import java.util.Vector;

/**
 * An admin client object that can be used both from the command line
 * and programmatically.
 */
public class AdminClient
{
    protected static Log log =
        LogFactory.getLog(AdminClient.class.getName());

    private static ThreadLocal defaultConfiguration = new ThreadLocal();

    /**
     * If the user calls this with an EngineConfiguration object, all
     * AdminClients on this thread will use that EngineConfiguration
     * rather than the default one. This is primarily to enable the
     * deployment of custom transports and handlers.
     *
     * @param config the EngineConfiguration which should be used
     */
    public static void setDefaultConfiguration(EngineConfiguration config)
    {
        defaultConfiguration.set(config);
    }

    private static String getUsageInfo()
    {
        String lSep = System.getProperty("line.separator");
        StringBuffer msg = new StringBuffer();
        // 26 is the # of lines in resources.properties
        msg.append(Messages.getMessage("acUsage00")).append(lSep);
        msg.append(Messages.getMessage("acUsage01")).append(lSep);
        msg.append(Messages.getMessage("acUsage02")).append(lSep);
        msg.append(Messages.getMessage("acUsage03")).append(lSep);
        msg.append(Messages.getMessage("acUsage04")).append(lSep);
        msg.append(Messages.getMessage("acUsage05")).append(lSep);
        msg.append(Messages.getMessage("acUsage06")).append(lSep);
        msg.append(Messages.getMessage("acUsage07")).append(lSep);
        msg.append(Messages.getMessage("acUsage08")).append(lSep);
        msg.append(Messages.getMessage("acUsage09")).append(lSep);
        msg.append(Messages.getMessage("acUsage10")).append(lSep);
        msg.append(Messages.getMessage("acUsage11")).append(lSep);
        msg.append(Messages.getMessage("acUsage12")).append(lSep);
        msg.append(Messages.getMessage("acUsage13")).append(lSep);
        msg.append(Messages.getMessage("acUsage14")).append(lSep);
        msg.append(Messages.getMessage("acUsage15")).append(lSep);
        msg.append(Messages.getMessage("acUsage16")).append(lSep);
        msg.append(Messages.getMessage("acUsage17")).append(lSep);
    }
msg.append(Messages.getMessage("acUsage18")).append(lSep);
msg.append(Messages.getMessage("acUsage19")).append(lSep);
msg.append(Messages.getMessage("acUsage20")).append(lSep);
msg.append(Messages.getMessage("acUsage21")).append(lSep);
msg.append(Messages.getMessage("acUsage22")).append(lSep);
msg.append(Messages.getMessage("acUsage23")).append(lSep);
msg.append(Messages.getMessage("acUsage24")).append(lSep);
msg.append(Messages.getMessage("acUsage25")).append(lSep);
msg.append(Messages.getMessage("acUsage26")).append(lSep);
return msg.toString();
}

/**
 * the object that represents our call
 */
protected Call call;

/**
 * Construct an admin client w/o a logger.
 * If the client cannot create a call object, then it does not throw an exception.
 * Instead it prints a message to { @link System.err }.  
 * This is for 'historical reasons'
 */
public AdminClient()
{
    try {
        initAdminClient();
    } catch (ServiceException e) {
        System.err.println(
            Messages.getMessage("couldntCall00") + ": " + e);
        call = null;
    }
}

/**
 * this is a somewhat contrived variant constructor, one that throws an exception 
 * if things go wrong.
 * @param ignored
 */
public AdminClient(boolean ignored) throws ServiceException {
    initAdminClient();
}

/**
 * core initialisation routine
 * @throws ServiceException 

private void initAdminClient() throws ServiceException {
    // Initialize our Service - allow the user to override the
    // default configuration with a thread-local version (see
    // setDefaultConfiguration() above)
    EngineConfiguration config =
        (EngineConfiguration) defaultConfiguration.get();
    Service service;
    if (config != null) {
        service = new Service(config);
    } else {
        service = new Service();
    }
    call = (Call) service.createCall();
}

public Call getCall()
{
    return call;
}

public String list(Options opts) throws Exception {
    processOpts( opts );
    return list();
}

public String list() throws Exception {
    log.debug( Messages.getMessage("doList00") );
    String               str   = "<m:list xmlns:m="" + WSDDConstants.URI_WSDD + ""/"">" ;
    ByteArrayInputStream input = new ByteArrayInputStream(str.getBytes());
return process(input);
}

/**
 * process the command line ops, then send a quit command
 * @param opts
 * @return
 * @throws Exception
 */
public String quit(Options opts) throws Exception {
    processOpts(opts);
    return quit();
}

/**
 * root element of the undeploy request
 */
protected static final String ROOT_UNDEPLOY = WSDDConstants.QNAME_UNDEPLOY.getLocalPart();

/**
 * make a quit command
 * @return
 * @throws Exception
 */
public String quit() throws Exception {
    log.debug(Messages.getMessage("doQuit00"));
    String str = "<?m:quit xmlns:m="" xmlns:wsdd=""/>";
    ByteArrayInputStream input = new ByteArrayInputStream(str.getBytes());
    return process(input);
}

/**
 * undeploy a handler
 * @param handlerName name of the handler to undeploy
 * @return
 * @throws Exception
 */
public String undeployHandler(String handlerName) throws Exception {
    log.debug(Messages.getMessage("doQuit00"));
    String str = "<?m:" + ROOT_UNDEPLOY + " xmlns:m="" xmlns:wsdd=""/>" +
        "<handler name="" + handlerName + "/"/>
";
    ByteArrayInputStream input = new ByteArrayInputStream(str.getBytes());
    return process(input);
}

/**
 * undeploy a service

* @param serviceName name of service
* @return
* @throws Exception
*/
public String undeployService(String serviceName) throws Exception {
log.debug(Messages.getMessage("doQuit00"));
String
str = "<m:"+ROOT_UNDEPLOY +" xmlns:m=\"" + WSDDConstants.URI_WSDD + "\">" +
"<service name=\"" + serviceName + "\"/>"+
"</m:"+ROOT_UNDEPLOY +">" ;
ByteArrayInputStream input = new ByteArrayInputStream(str.getBytes());
return process(input);
}
/**
* <p>Processes a set of administration commands.</p>
* <p>The following commands are available:</p>
* <ul>
* <li><code>-l<i>url</i></code> sets the AxisServlet URL</li>
* <li><code>-h<i>hostName</i></code> sets the AxisServlet host</li>
* <li><code>-p<i>portNumber</i></code> sets the AxisServlet port</li>
* <li><code>-s<i>servletPath</i></code> sets the path to the
*
AxisServlet</li>
* <li><code>-f<i>fileName</i></code> specifies that a simple file
*
protocol should be used</li>
* <li><code>-u<i>username</i></code> sets the username</li>
* <li><code>-w<i>password</i></code> sets the password</li>
* <li><code>-d</code> sets the debug flag (for instance, -ddd would
*
set it to 3)</li>
* <li><code>-t<i>name</i></code> sets the transport chain touse</li>
* <li><code>list</code> will list the currently deployed services</li>
* <li><code>quit</code> will quit (???)</li>
* <li><code>passwd <i>value</i></code> changes the admin password</li>
* <li><code><i>xmlConfigFile</i></code> deploys or undeploys
*
Axis components and web services</li>
* </ul>
* <p>If <code>-l</code> or <code>-h -p -s</code> are not set, the
* AdminClient will invoke
* <code>http://localhost:8080/axis/servlet/AxisServlet</code>.</p>
*
* @param args Commands to process
* @return XML result or null in case of failure. In the case of multiple
* commands, the XML results will be concatenated, separated by \n
* @exception Exception Could be an IO exception, an AxisFault or something else
*/
public String process(String[] args) throws Exception {
StringBuffer sb = new StringBuffer();

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Options opts = new Options( args );
opts.setDefaultURL("http://localhost:8080/axis/services/AdminService");

if (opts.isFlagSet('d') > 0) {
    // Set logger properties... !!!
}

args = opts.getRemainingArgs();

if ( args == null || opts.isFlagSet('?') > 0 ) {
    System.out.println(Messages.getMessage("usage00","AdminClient [Options] [list | <deployment-descriptor-files>]
"));
    System.out.println(""");
    System.out.println(getUsageInfo());
    return null;
}

for ( int i = 0 ; i < args.length ; i++ ) {
    InputStream input = null;

    if ( args[i].equals("list") )
        sb.append( list(opts) );
    else if (args[i].equals("quit"))
        sb.append( quit(opts) );
    else if (args[i].equals("passwd")) {
        System.out.println(Messages.getMessage("changePwd00");
        if (args[i + 1] == null) {
            System.err.println(Messages.getMessage("needPwd00");
            return null;
        }
        String str = "<m:passwd xmlns:m="http://xml.apache.org/axis/wsdd/">");
        str += args[i + 1];
        str += "</m:passwd>");
        input = new ByteArrayInputStream(str.getBytes());
        i++;
        sb.append( process(opts, input ) );
    }
    else {
        if(args[i].indexOf(java.io.File.pathSeparatorChar)==-1){
            System.out.println( Messages.getMessage("processFile00", args[i]) );
            sb.append( process(opts, args[i] ) );
        } else {
            java.util.StringTokenizer tokenizer = null ;
            tokenizer = new java.util.StringTokenizer(args[i],
                    java.io.File.pathSeparator);
            while(tokenizer.hasMoreTokens()) {
                String file = tokenizer.nextToken();
                System.out.println( Messages.getMessage("processFile00", file) );
            }
        }
    }
}
sb.append( process(opts, file) );
if(tokenizer.hasMoreTokens())
    sb.append(\"n\");
}
}
}

return sb.toString();
}

/**
* go from the (parsed) command line to setting properties on our call object.
* @param opts
* @throws Exception if call==null
*/
public void processOpts(Options opts) throws Exception {
    if (call == null) {
        throw new Exception(Messages.getMessage("nullCall00"));
    }

    URL address = new URL(opts.getURL());
    setTargetEndpointAddress(address);
    setLogin(opts.getUser(), opts.getPassword());

    String tName = opts.isValueSet(\t\');
    setTransport(tName);
}

/**
* set the username and password
* requires that call!=null
* @param user username
* @param password password
*/
public void setLogin(String user, String password) {
    call.setUsername( user );
    call.setPassword( password );
}

/**
* set the URL to deploy to
* requires that call!=null
* @param address
*/
public void setTargetEndpointAddress(URL address) {
    call.setTargetEndpointAddress( address );
}
/**
 * set the transport to deploy with.
 * requires that call!=null
 * @param transportName a null or empty value does not trigger a setting
 */
public void setTransport(String transportName) {
    if(transportName != null && !transportName.equals("")) {
        call.setProperty( Call.TRANSPORT_NAME, transportName);
    }
}

public String process(InputStream input) throws Exception {
    return process(null, input);
}

public String process(URL xmlURL) throws Exception {
    return process(null, xmlURL.openStream());
}

/**
 * process an XML file containing a pre-prepared admin message
 * @param xmlFile file to load
 * @return
 * @throws Exception
 */
public String process(String xmlFile) throws Exception {
    FileInputStream in = new FileInputStream(xmlFile);
    String result = process(null, in);
    return result;
}

public String process(Options opts, String xmlFile) throws Exception {
    processOpts(opts);
    return process(xmlFile);
}

/**
 * submit the input stream's contents to the endpoint, return the results as a string.
 * The input stream is always closed after the call, whether the request worked or not
 * @param opts options -can be null
 * @param input -input stream for request
 * @return
 * @throws Exception if the call was null
 * @throws AxisFault if the invocation returned an empty response
 */
public String process(Options opts, InputStream input) throws Exception {
    try {
if (call == null) {
    //validate that the call is not null
    throw new Exception(Messages.getMessage("nullCall00"));
}

if (opts != null) {
    //process options if supplied
    processOpts(opts);
}

call.setUseSOAPAction(true);
call.setSOAPActionURI("urn:AdminService");

Vector result = null;
Object[] params = new Object[] { new SOAPBodyElement(input) };
result = (Vector) call.invoke(params);

if (result == null || result.isEmpty()) {
    throw new AxisFault(Messages.getMessage("nullResponse00"));
}

SOAPBodyElement body = (SOAPBodyElement) result.elementAt(0);
return body.toString();

} finally {
    input.close();
}

/**
 * Creates in instance of <code>AdminClient</code> and
 * invokes <code>process(args)</code>.
 * <p>Diagnostic output goes to <code>log.info</code>.</p>
 * @param args Commands to process
 */
public static void main(String[] args) {
    try {
        AdminClient admin = new AdminClient();

        String result = admin.process(args);
        if (result != null) {
            System.out.println( StringUtils.unescapeNumericChar(result) );
        } else {
            System.exit(1);
        }
    } catch (AxisFault ae) {
        System.err.println(Messages.getMessage("exception00") + " " + ae.dumpToString());
        System.exit(1);
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1.245 vim 8.1.0347

1.246 screen 4.6.2

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1.251 procps 3.3.15
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1.252 ebtables 2.0.10

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://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 https://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.

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Mersenne Twister
---------------

The :mod:`_random` module includes code based on a download from http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html. The following are the verbatim comments from the original code::

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

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

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Sockets
-------

The :mod:`socket` module uses the functions, :func:`getaddrinfo`, and :func:`getnameinfo`, which are coded in separate source files from the WIDE Project, http://www.wide.ad.jp/. ::

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L. Peter Deutsch
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Independent implementation of MD5 (RFC 1321).

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

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

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

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UUencode and UUdecode functions
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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
  between ascii and binary. This results in a 1000-fold speedup. The C
  version is still 5 times faster, though.
- Arguments more compliant with Python standard

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

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 strtod and dtoa

----------

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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.

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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 https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a...
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Mersenne Twister
----------------

The :mod:`_random` module includes code based on a download from
http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html. The following are
the verbatim comments from the original code::

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

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

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Sockets
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MD5 message digest algorithm

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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at
http://www.ietf.org/rfc/rfc1321.txt

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

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

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.

1999-11-04 lpd Edited comments slightly for automatic TOC extraction.

1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.

1999-05-03 lpd Original version.

Asynchronous socket services
-----------------------------------

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
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zlib

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1.258 jdom 1.1

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1.259 icnv 2.28

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1.260 pkgtools 9.0
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#

# Wed, 27 Apr 1994 00:06:50 -0700 (PDT)
# Optimization by David Hinds.

SOURCE_DIR=/var/log/mount
ASK="tagfiles"
if [-L /bin/chmod -a -L /bin/chown ]; then # probably on the bootdisk using busybox
TARGET_DIR=/mnt
TMP=/mnt/var/log/setup/tmp
if mount | grep "on /mnt" 1> /dev/null 2>&1 ; then # good
true
else # bad
echo
echo "You can't run pkgtool from the rootdisk until you've mounted your Linux"
echo "partitions beneath /mnt. Here are some examples of this;"
echo "If your root partition is /dev/hda1, and is using ext2fs, you would type;"
echo "mount /dev/hda1 /mnt -t ext2"
echo "Then, supposing your /usr partition is /dev/hda2, you must do this;"
echo "mount /dev/hda2 /mnt/usr -t ext2"
echo
echo "Please mount your Linux partitions and then run pkgtool again."
exit
fi
else
TARGET_DIR=/
TMP=/var/log/setup/tmp
fi
if [ ! -d $TMP ]; then
mkdir -p $TMP
chmod 700 TMP
fi
ADM_DIR=$TARGET_DIR/var/log
LOG=$TMP/PKGTOOL.REMOVED

# remove whitespace

crunch() {
    while read FOO ; do
        echo $FOO
done
}

package_name() {
    STRING='basename $1 .tgz'
    # Check for old style package name with one segment:
    if [ """echo $STRING | cut -f 1 -d -"""" = """"echo $STRING | cut -f 2 -d -"""" ]; then
        echo $STRING
    else # has more than one dash delimited segment
        # Count number of segments:
        INDEX=1
        while [ ! """"echo $STRING | cut -f $INDEX -d -"""" = """" ]; do
            INDEX='expr $INDEX + 1'
        done
        INDEX='expr $INDEX - 1' # don't include the null value
        # If we don't have four segments, return the old-style (or out of spec) package name:
        if [ "$INDEX" = "2" -o "$INDEX" = "3" ]; then
            echo $STRING
        else # we have four or more segments, so we'll consider this a new-style name:
            NAME='expr $INDEX - 3'
            NAME=""""echo $STRING | cut -f 1-$NAME -d -"""
            echo $NAME
            # cruft for later :)
            #VER='expr $INDEX - 2'
            #VER=""""echo $STRING | cut -f $VER -d -"""
            #ARCH='expr $INDEX - 1'
            #ARCH=""""echo $STRING | cut -f $ARCH -d -"""
            #BUILD=""""echo $STRING | cut -f $INDEX -d -"""
        fi
remove_packages() {
for pkg_name in $*
do
if [-r $ADM_DIR/packages/$pkg_name ]; then
dialog --title "PACKAGE REMOVAL IN PROGRESS" --cr-wrap --infobox "\nRemoving package $pkg_name.\n\nSince each file must be checked against the contents of every other installed package to avoid wiping out areas of overlap, this process can take quite some time. If you'd like to watch the progress, flip over to another virtual console and type:\n\ntail -f $TMP/PKGTOOL.REMOVED\n" 13 60
export ROOT=$TARGET_DIR
removepkg $pkg_name >> $LOG 2> /dev/null
else
echo "No such package: $pkg_name. Can't remove." >> $LOG
fi
done

# Here, we read the list of arguments passed to the pkgtool script.
if [ $# -gt 0 ]; then # there are arguments to the command
while [ $# -gt 0 ]; do
case "$1" in
 "-sets")
 DISK_SETS='echo $2 | tr "[A-Z]" "[a-z]" ; shift 2 ;;
 "-source_mounted")
 SOURCE_MOUNTED="always" ; shift 1 ;;
 "-ignore_tagfiles")
 ASK="never" ; shift 1 ;;
 "-tagfile")
 USETAG=$2 ; shift 2 ;;
 "-source_dir")
 SOURCE_DIR=$2 ; shift 2 ;;
 "-target_dir")
 TARGET_DIR=$2
 ADM_DIR=$TARGET_DIR/var/log
 shift 2 ;;
 "-source_device")
 SOURCE_DEVICE=$2 ; shift 2 ;;
esac
done
else # there were no arguments, so we'll get the needed information from the # user and then go on.
CMD_START="true"
rm -f $TMP/SeT*
while [ 0 ]; do
dialog --title "Slackware Package Tool (pkgtool version 9.0.0)"
--menu "Welcome to the Slackware package tool.
Which option would you like?
Current" "Install packages from the current directory"
"Other" "Install packages from some other directory"
"Floppy" "Install packages from floppy disks"
"Remove" "Remove packages that are currently installed"
"View" "View the list of files contained in a package"
"Setup" "Choose Slackware installation scripts to run again"
"Exit" "Exit Pkgtool"
2> $TMP/reply
if [ ! $? = 0 ]; then
rm -f $TMP/reply
dialog --clear
exit
fi
REPLY="cat $TMP/reply"
rm -f $TMP/reply
if [ "$REPLY" = "Exit" ]; then
dialog --clear
exit
fi
if [ "$REPLY" = "Setup" ]; then
echo 'dialog --title "SELECT SYSTEM SETUP SCRIPTS" --item-help --checklist 
"Please use the spacebar to select the setup scripts to run.  Hit enter when you 
are done selecting to run the scripts." 17 70 9 > $TMP/setupscr
for script in $ADM_DIR/setup/setup.* ; do
  BLURB='grep '#BLURB' $script | cut -b8-'
  if [ "$BLURB" = "" ]; then
    BLURB="\""
  fi
  echo " \"basename $script | cut -f2- -d .\" $BLURB "no\" $BLURB \"" >> $TMP/setupscr
done
echo "2> $TMP/return" >> $TMP/setupscr
. $TMP/setupscr
if [ ! "cat $TMP/return" = "" ]; then
  # Run each script:
  for script in 'cat $TMP/return' ; do
    scrpath=$ADM_DIR/setup/setup.'echo $script | tr -d "'
    rootdevice='mount | head -1 | cut -f 1 -d ' '
    ( COLOR=on ; cd $TARGET_DIR ; . $scrpath / $rootdevice )
done
fi
rm -f $TMP/return $TMP/setupscr
continue
fi # end Setup
if [ "$SREPLY" = "View" ]; then
  DEFITEM=""
  export DEFITEM
  dialog --title "SCANNING" --infobox "Please wait while Pkgtool scans your system to determine which packages you have installed and prepares a list for you." 0 0
  echo 'dialog $DEFITEM --item-help --menu "Please select the package you wish to view." 17 68 10' >> $TMP/viewscr
  for name in 'ls $ADM_DIR/packages'; do
    pkg_name='package_name $name'
    BLURB='''sed -n "/$pkg_name:/{s/"//g;p;q;}" $ADM_DIR/packages/$name | cut -f 2- -d : | crunch'"
    # Let's have some backward compatibility with the interim beta (for now):
    if [ "$BLURB" = "" ]; then
      BLURB='''sed -n "/$name:/{s/"//g;p;q;}" $ADM_DIR/packages/$name | cut -f 2- -d : | crunch'"
    fi
    echo "$name" "$BLURB" "View information about package $name" "$name" "$BLURB" "$ADM_DIR/packages/$name"
  done
  echo "2> $TMP/return" >> $TMP/viewscr
  while [ 0 ]; do
    . $TMP/viewscr
    if [ ! "cat $TMP/return" = "" ]; then
      DEFITEM=""--default-item 'cat $TMP/return"
      dialog --title "CONTENTS OF PACKAGE: 'cat $TMP/return" --no-shadow --textbox "$ADM_DIR/packages/'cat
      $TMP/return'" 0 0 2> /dev/null
    else
      break
    fi
  done
  rm -f $TMP/return $TMP/viewscr $TMP/tmpmsg
# This will clean up after most defective packages:
  chmod 755 /
  chmod 1777 /tmp
  continue
fi
if [ "$SREPLY" = "Remove" ]; then
  dialog --title "SCANNING" --infobox "Please wait while Pkgtool scans your system to determine which packages you have installed and prepares a list for you." 0 0
  # end section
  cat << EOF > $TMP/rmscript
    dialog --title "SELECT PACKAGES TO REMOVE" --item-help --checklist "Please select the packages you wish to Remove. Use the spacebar to select packages to delete, and the UP/DOWN arrow keys to scroll up and down through the entire list." 20 75 11
    "EOF
    for name in 'ls $ADM_DIR/packages'; do
      echo "$name" "$ADM_DIR/packages/$name"
    done
  fi
  if [ "EOF" ]; then
    dialog --title "SELECT PACKAGES TO REMOVE" --item-help --checklist "Please select the packages you wish to Remove. Use the spacebar to select packages to delete, and the UP/DOWN arrow keys to scroll up and down through the entire list." 20 75 11
    EOF
    for name in 'ls $ADM_DIR/packages'; do
      echo "$name" "$ADM_DIR/packages/$name"
    done
  else
    # Pkgtool scans your system to determine which packages you have installed and prepares a list for you.
    # end section
pkg_name='package_name $name'
BLURB='"sed -n "/pkg_name:/ {s/"//g;p;q;}" $ADM_DIR/packages/$name | cut -f 2- -d : | crunch"
# Let's have some backward compatibility with the interim beta (for now):
if [ ""$BLURB"" = "" ]; then
    BLURB='"sed -n "/$name:/ {s/"//g;p;q;}" $ADM_DIR/packages/$name | cut -f 2- -d : | crunch"
fi
echo " "$name" "$BLURB" off "Select/Unselect removing package $name" \" >> $TMP/rmscript
done
echo "2> $TMP/return" >> $TMP/rmscript
if [ -L $LOG -o -r $LOG ]; then
    rm -f $LOG
fi
cat /dev/null > $LOG
chmod 600 SLOG
chmod 700 $TMP/rmscript
export ADM_DIR;
$TMP/rmscript
remove_packages 'cat $TMP/return | tr -d \"042\"
if [ ""cat $TMP/PKGTOOL.REMOVED"" = "" ]; then
    rm -f $TMP/PKGTOOL.REMOVED
dialog --title "NO PACKAGES REMOVED" --msgbox "Hit OK to return \n
to the main menu." 5 40
else
dialog --title "PACKAGE REMOVAL COMPLETE" --msgbox "The packages have \nbeen removed. A complete log of the files that were removed has been created \nin $TMP: PKGTOOL.REMOVED." 0 0
fi
rm -f $TMP/rmscript $TMP/return $TMP/tmpmsg $TMP/SeT*
chmod 755 /
chmod 1777 /tmp
# No, return to the main menu:
#  exit
elif [ "$SREPLY" = "Floppy" ]; then
dialog --title "SELECT FLOPPY DRIVE" --menu "Which floppy drive would \nyou like to install from?" \n11 70 4
"/dev/fd0u1440" "1.44 MB first floppy drive"
"/dev/fd1u1440" "1.44 MB second floppy drive"
"/dev/fd0h1200" "1.2 MB first floppy drive"
"/dev/fd1h1200" "1.2 MB second floppy drive" 2> $TMP/wdrive
if [ $? = 1 ]; then
dialog --clear
exit
fi
SOURCE_DEVICE='"cat $TMP/wdrive"
rm -f $TMP/wdrive
cat << EOF > $TMP/tmpmsg

Enter the names of any disk sets you would like to install. Separate the sets with a space, like this: a b o i x

To install packages from one disk, hit [enter] without typing anything.

EOF
dialog --title "SOFTWARE SELECTION" --inputbox "cat $TMP/tmpmsg" 13 70 2> $TMP/sets
DISK_SETS="cat $TMP/sets"
rm -f $TMP/sets
if [ "$DISK_SETS" = "" ]; then
  DISK_SETS="disk"
else
  DISK_SETS='echo $DISK_SETS | sed 's/ /#/g''
  DISK_SETS="#$DISK_SETS"
fi
break;
elif [ "$REPLY" = "Other" ]; then
dialog --title "SELECT SOURCE DIRECTORY" --inputbox "Please enter the name of the directory that you wish to install packages from:" 10 50 2> $TMP/pkgdir
if [ $? = 1 ]; then
  rm -f $TMP/pkgdir $TMP/SeT*
dialog --clear
  exit
fi
SOURCE_DIR="/cat $TMP/pkgdir"
SOURCE_MOUNTED="always"
DISK_SETS="disk"
chmod 755 $TARGET_DIR
chmod 1777 $TARGET_DIR/tmp
rm -f $TMP/pkgdir
if [ ! -d $SOURCE_DIR ]; then
  dialog --title "DIRECTORY NOT FOUND" --msgbox "The directory you want to install from ($SOURCE_DIR) does not seem to exist. Please check the directory and then try again."
  10 50
  dialog --clear
  exit
  fi
break;
else # installing from current directory
SOURCE_MOUNTED="always"
SOURCE_DIR="$PWD"
DISK_SETS="disk"
chmod 755 $TARGET_DIR
chmod 1777 $TARGET_DIR/tmp
break;
if [ "$DISK_SETS" = "disk" ]; then
    ASK="always"
fi

mount_the_source() {
    # is the source supposed to be mounted already?
    if [ "$SOURCE_MOUNTED" = "always" ]; then
        # The source should already be mounted, so we test it
        if [ ! -d $SOURCE_DIR ]; then # the directory is missing
            cat << EOF > $TMP/tmpmsg
            Your source device cannot be accessed properly.
            Please be sure that it is mounted on $SOURCE_DIR,
            and that the Slackware disks are found in subdirectories
            of $SOURCE_DIR like specified.
            EOF
            dialog --title "MOUNT ERROR" --msgbox "cat $TMP/tmpmsg" 11 67
            rm -f $TMP/tmpmsg
            exit 1;
        fi
        return 0;
    fi
    dialog --title "INSERT DISK" --menu "Please insert disk $1 and \
            press ENTER to continue." \ 
            "Continue" "Continue with the installation" \ 
            "Skip" "Skip the current disk series" \ 
            "Quit" "Abort the installation process" 2> $TMP/reply
    if [ ! $? = 0 ]; then
        REPLY="Quit"
    else
        REPLY="cat $TMP/reply"
    fi
    rm -f $TMP/reply
    if [ "$REPLY" = "Skip" ]; then
        return 1;
    fi
    if [ "$REPLY" = "Quit" ]; then
        dialog --title "ABORTING" --msgbox "Aborting software installation." 5 50
        chmod 755 $TARGET_DIR
        chmod 1777 $TARGET_DIR/tmp
        exit 1;
    fi:
# Old line:
# mount -r -t msdos $SOURCE_DEVICE $SOURCE_DIR

# New ones: (thanks to Andy Schwierskott!)
go_on=y
not_successfull_mounted=1
while [ "$go_on" = y -a "$not_successfull_mounted" = 1 ]; do
    mount -r -t msdos $SOURCE_DEVICE $SOURCE_DIR
    not_successfull_mounted=$?
    if [ "$not_successfull_mounted" = 1 ]; then
        mount_answer=x
        while [ "$mount_answer" != "y" -a "$mount_answer" != "q" ] ; do
            dialog --title "MOUNT PROBLEM" --menu "Media was not successfully mounted! Do you want to retry, or quit?" 10 60 2 "Yes" "Try to mount the disk again" "No" "No, abort." 2> $TMP/mntans
            mount_answer="cat $TMP/mntans"
            rm -f $TMP/mntans
            if [ "$mount_answer" = "Yes" ]; then
                mount_answer="y"
            else
                mount_answer="q"
            fi
        done
        go_on=$mount_answer
    fi
done
test $not_successfull_mounted = 0
}

umount_the_source() {
if [ ! "$SOURCE_MOUNTED" = "always" ]; then
    umount $SOURCE_DEVICE 1> /dev/null 2>&1
    fi;
}

install_disk() {
    mount_the_source $1
    if [ $? = 1 ]; then
        umount_the_source;
        return 1;
    fi
    CURRENT_DISK_NAME="$1"
    PACKAGE_DIR=$SOURCE_DIR
    if [ "$SOURCE_MOUNTED" = "always" -a "$DISK_SETS" = "disk" ]; then
        PACKAGE_DIR=$PACKAGE_DIR/$1
    fi
}
# If this directory is missing or contains no *.tgz files, bail.
if [ ! -d $PACKAGE_DIR ]; then
    return 1
fi

if ls $PACKAGE_DIR/*.tgz 1> /dev/null 2> /dev/null ; then
    true
else
    return 1
fi

# look for tagfile for this series and copy into $TMP/tagfile

# touch $TMP/tagfile
if [ ! "$DISK_SETS" = "disk" ]; then
    if [ -r $TMP/SeTtagext ]; then
        if [ -r $PACKAGE_DIR/tagfile'cat $TMP/SeTtagext' ]; then
            cat $PACKAGE_DIR/tagfile'cat $TMP/SeTtagext' >> $TMP/tagfile
        else
            if [ -r $PACKAGE_DIR/tagfile ]; then
                cat $PACKAGE_DIR/tagfile >> $TMP/tagfile
            fi
        fi
    fi

    # Do we need to follow a custom path to the tagfiles?
    #
    elif [ -r $TMP/SeTtagpath ]; then
        custom_path='cat $TMP/SeTtagpath'
        short_path='basename $PACKAGE_DIR'

        # If tagfile exists at the specified custom path, copy it over.
        if [ -r $custom_path/$short_path/tagfile ]; then
            cat $custom_path/$short_path/tagfile >> $TMP/tagfile
        else # well, I guess we'll use the default one then.
            if [ -r $PACKAGE_DIR/tagfile ]; then
                cat $PACKAGE_DIR/tagfile >> $TMP/tagfile
            fi
        fi
    fi

    # We seem to be testing for this too often... maybe this code should
    # be optimized a little...
    #
    elif [ -r $PACKAGE_DIR/tagfile ]; then
        cat $PACKAGE_DIR/tagfile >> $TMP/tagfile
    fi
# Execute menus if in QUICK mode:
#
if [-r $TMP/SeTQUICK -a -r $PACKAGE_DIR/maketag ]; then
if [ ! "$MAKETAG" = "" -a -r $PACKAGE_DIR/$MAKETAG ]; then # use alternate maketag
    sh $PACKAGE_DIR/$MAKETAG
else
    sh $PACKAGE_DIR/maketag
fi
if [-r $TMP/SeTnewtag ]; then
    mv $TMP/SeTnewtag $TMP/tagfile
fi
fi
#
# Protect tagfile from hacker attack:
#
if [ -r $TMP/tagfile ]; then
    chmod 600 $TMP/tagfile
fi
fi #  ! "$DISK_SETS" = "disk"

# It's possible that the tagfile was specified on the command line.  If that's
# the case, then we'll just override whatever we figured out up above.
if [ ! "$USETAG" = "" ]; then
    cat $USETAG > $TMP/tagfile
fi

If there's a catalog file present, use it to check for missing files.
If not, forget about that and install whatever's there.
if [ "$1" = "single_disk" -o -r $PACKAGE_DIR/disk$1 -o -r $PACKAGE_DIR/package-list.txt ]; then
if [ -r $PACKAGE_DIR/package-list.txt ]; then
    CATALOG_FILE=$PACKAGE_DIR/package-list.txt
else
    CATALOG_FILE='basename $PACKAGE_DIR/disk*';
fi
if [-r $PACKAGE_DIR/$CATALOG_FILE -a ! -d $PACKAGE_DIR/$CATALOG_FILE ]; then
    if grep CONTENTS: $PACKAGE_DIR/$CATALOG_FILE 1> /dev/null 2>&1 ; then
        # First we check for missing packages...
        for PKGTEST in 'grep "^CONTENTS:" $PACKAGE_DIR/$CATALOG_FILE | cut -f2 -d : 2> /dev/null' ; do
            # This is not a perfect test.  (say emacs is missing but emacs-nox is not)
            if ls $PACKAGE_DIR/$PKGTEST*.tgz 1> /dev/null 2> /dev/null ; then
                true
            else
                cat << EOF > $TMP/tmpmsg
                WARNING!!!
            fi
        done
    fi
fi

WARNING!!!
While looking through your index file ($CATALOG_FILE),
I noticed that you might be missing a package:

$PKGTEST-\*-\*-\*.tgz

that is supposed to be on this disk (disk $1). You may go
on with the installation if you wish, but if this is a
crucial file I'm making no promises that your machine will
boot.

EOF

dialog --title "FILE MISSING FROM YOUR DISK" --msgbox \
"cat $TMP/tmpmsg" 17 67
fi
done # checking for missing packages
# Now we test for extra packages:
ALLOWED="grep CONTENTS: $PACKAGE_DIR/$CATALOG_FILE | cut -b10- 2>/dev/null"
for PACKAGE_FILENAME in $PACKAGE_DIR/*.tgz; do
BASE="basename $PACKAGE_FILENAME .tgz"
BASE="package_name $BASE"
if echo $ALLOWED | grep $BASE 1>/dev/null 2>&1 ; then
true
else
cat << EOF > $TMP/tmpmsg
WARNING!!!
While looking through your index file ($CATALOG_FILE),
I noticed that you have this extra package:

($BASE.tgz)

that I don't recognize. Please be sure this package is
really supposed to be here, and is not left over from an
old version of Slackware. Sometimes this can happen at the
archive sites.

EOF

dialog --title "EXTRA FILE FOUND ON YOUR DISK" \ 
--msgbox "cat $TMP/tmpmsg" 17 67
rm -f $TMP/tmpmsg
fi
done
fi
if fi
fi
fi # check for missing(extra packages
# Install the packages:
for PACKAGE_FILENAME in $PACKAGE_DIR/*.tgz; do
    if [ "PACKAGE_FILENAME" = "$PACKAGE_DIR/*.tgz" ]; then
        continue;
    fi
    if [ "SASK" = "never" ]; then # install the package
        installpkg -root $TARGET_DIR -infobox -tagfile $TMP/tagfile $PACKAGE_FILENAME
        ERROR=$?
    elif [ "SASK" = "tagfiles" ]; then
        installpkg -root $TARGET_DIR -menu -tagfile $TMP/tagfile $PACKAGE_FILENAME
        ERROR=$?
    else # SASK should be = always here, and that's how we'll treat it
        installpkg -root $TARGET_DIR -menu -ask -tagfile $TMP/tagfile $PACKAGE_FILENAME
        ERROR=$?
    fi
    # Check for abort:
    if [ "ERROR" = "99" ]; then
        umount_the_source;
        chmod 755 $TARGET_DIR
        chmod 1777 $TARGET_DIR/tmp
        exit 1;
    fi
    done
OUTTAHERE="false"
if [ -r $PACKAGE_DIR/install.end ]; then
    OUTTAHERE="true"
fi
umount_the_source;
if [ "$OUTTAHERE" = "true" ]; then
    return 1;
fi
}

install_disk_set() { # accepts one argument: the series name in lowercase.
    SERIES_NAME=$1
    CURRENT_DISK_NUMBER="1";
    while [ 0 ]; do
        # Don't start numbering the directories until 2:
        if [ $CURRENT_DISK_NUMBER = 1 ]; then
            DISKTOINSTALL=$SERIES_NAME
        else
            DISKTOINSTALL=$SERIES_NAME$CURRENT_DISK_NUMBER
        fi
        install_disk $DISKTOINSTALL
        if [ ! $? = 0 ]; then # install.end was found, or the user chose
            # to quit installing packages.
            return 0;
        fi
}
CURRENT_DISK_NUMBER='expr $CURRENT_DISK_NUMBER + 1'
done;
}

# /* main */
if [ "$DISK_SETS" = "disk" ]; then
    install_disk single_disk;
    ASK="always"
else
touch $TMP/tagfile
chmod 600 $TMP/tagfile
if echo $DISK_SETS | grep "#a#" 1>/dev/null 2>&1; then
    A_IS_NEEDED="true"
else
    A_IS_NEEDED="false"
fi
while [ 0 ];
do
    while [ 0 ]; # strip leading #'s
do
        if [ "echo $DISK_SETS | cut -b1" = "#" ]; then
            DISK_SETS="'echo $DISK_SETS | cut -b2-'"
        else
            break;
        fi
done
if [ "$A_IS_NEEDED" = "true" ]; then
cat << EOF > $TMP/tmpmsg
--- Installing package series ==>a<==
EOF
dialog --infobox "cat $TMP/tmpmsg" 5 45
sleep 1
rm -f $TMP/tmpmsg
install_disk_set a;
A_IS_NEEDED="false"
fi
count="1"
if [ "echo $DISK_SETS | cut -b$count" = "" ]; then
    break; # we be done here :^)
else
count="2"
while [ 0 ]; do
    if [ "echo $DISK_SETS | cut -b$count" = "" -o "echo $DISK_SETS | cut -b$count" = "#" ]; then
        count="expr $count - 1"
    break;
else
    break;
count="$count + 1"
fi
done
diskset="echo $DISK_SETS | cut -b1-$count"
count="$count + 1"
DISK_SETS="echo $DISK_SETS | cut -b$count-"
if [ "$diskset" = "a" ]; then
    continue; # we expect this to be done elsewhere
fi
cat << EOF > $TMP/tmpmsg
Installing package series ==>$diskset<==
EOF
dialog --infobox "cat $TMP/tmpmsg" 5 45
sleep 1
rm -f $TMP/tmpmsg
install_disk_set $diskset;
done
fi

if [ "$DISK_SETS" = "disk" -o "$CMD_START" = "true" ]; then
    if [-r $TMP/tagfile ]; then
        rm $TMP/tagfile
    fi
    dialog --clear
fi
chmod 755 $TARGET_DIR $TARGET_DIR/var $TARGET_DIR/usr
chmod 1777 $TARGET_DIR/tmp
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warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

Written by John Gilmore and Jay Fenlason
#!/bin/sh
# Copyright 1994, 1998  Patrick Volkerding, Moorhead, Minnesota USA
# All rights reserved.
#
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# OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF
# ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
#
# Wed Mar 18 15:32:33 CST 1998
# Patched to avoid possible symlink attacks in /tmp.

TAR=tar-1.13
$TAR --help 1> /dev/null 2> /dev/null
if [ ! $? = 0 ]; then
    TAR=tar
fi
if [ ! "LC_MESSAGES=C $TAR --version" = "tar (GNU tar) 1.13
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This is free software; see the source for copying conditions. There is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

Written by John Gilmore and Jay Fenlason." ]; then
    echo "WARNING: pkgtools are unstable with tar > 1.13."
    echo " You should provide a \"tar-1.13\" in your \$PATH." sleep 5
fi

make_install_script() {
    COUNT=1
    LINE="sed -n "$COUNT p" $1"
    while [ ! "$LINE" = "" ]; do
        LINKGOESIN="echo "$LINE" | cut -f 1 -d " ""
        LINKGOESIN="dirname "$LINKGOESIN"
        LINKNAMEIS="echo "$LINE" | cut -f 1 -d ' '
        LINKNAMEIS="basename "$LINKNAMEIS"
        LINKPOINTSTO="echo "$LINE" | cut -f 3 -d ' '
        echo "( cd "$LINKGOESIN ; rm -rf "$LINKNAMEIS" )"
        echo "( cd "$LINKGOESIN ; ln -sf "$LINKPOINTSTO "$LINKNAMEIS" )"
        COUNT=`expr $COUNT + 1`
        LINE="sed -n "$COUNT p" $1"
    done
}

usage() {
    cat << EOF
Usage: makepkg package_name.tgz
EOF
}
Makes a Slackware compatible "$tgz" package containing the contents of the
current and all subdirectories. If symbolic links exist, they will be removed
and an installation script will be made to recreate them later. This script
will be called "install/doinst.sh". You may add any of your own ash-compatible
shell scripts to this file and rebuild the package if you wish.

options:      -l, --linkadd y|n (moves symlinks into doinst.sh: recommended)
              -c, --chown y|n (resets all permissions to root:root 755
              - not generally recommended)

If these options are not set, makepkg will prompt as appropriate.
```
echo
echo "Slackware package maker, version 2.0."
PACKAGE_NAME=$1
TARGET_NAME="dirname $PACKAGE_NAME"
PACKAGE_NAME="basename $PACKAGE_NAME"
TAR_NAME="basename $PACKAGE_NAME .tgz"

echo
echo "Searching for symbolic links:"
# Get rid of possible pre-existing trouble:
INST='mktemp $TMP/makepkg.XXXXXX'
find . -type l -exec ls -l {} \; | while read foo ; do echo $foo ; done | cut -f 9- -d ' ' | cut -b3- | tee $INST
if [ ! "cat $INST" = "" ]; then
echo
  echo "Making symbolic link creation script:"
  make_install_script $INST | tee doinst.sh
fi
echo
if [ ! "cat $INST" = "" ]; then
  if [ -r install/doinst.sh ]; then
    echo "Unless your existing installation script already contains the code"
    echo "to create these links, you should append these lines to your existing"
    echo "install script. Now's your chance. :^)"
    echo
    echo "Would you like to add this stuff to the existing install script and"
    echo -n "remove the symbolic links ([y]es, [n]o)? "
  else
    echo "It is recommended that you make these lines your new installation script."
    echo
    echo "Would you like to make this stuff the install script for this package"
    echo -n "and remove the symbolic links ([y]es, [n]o)? "
  fi
  if [ ! "$LINKADD" ]; then
    read LINKADD;
    echo
  else
    echo $LINKADD
    echo
  fi
  if [ "$LINKADD" = "y" ]; then
    if [ -r install/doinst.sh ]; then
      UPDATE="t"
cat doinst.sh >> install/doinst.sh
    else
      mkdir install
cat doinst.sh > install/doinst.sh
    fi
    echo
    echo "Removing symbolic links:"
fi
```

find . -type l -exec rm -v {} \;
echo
if [ "$UPDATE" = "t" ]; then
    echo "Updating your ./install/doinst.sh..."
else
    echo "Creating your new ./install/doinst.sh..."
fi
fi
else
    echo "No symbolic links were found, so we won't make an installation script."
    echo "You can make your own later in ./install/doinst.sh and rebuild the"
    echo "package if you like."
fi
rm -f doinst.sh $INST
echo
This next step is optional - you can set the directories in your package
to some sane permissions. If any of the directories in your package have
"special permissions, then DO NOT reset them here!"

echo "Would you like to reset all directory permissions to 755 (drwxr-xr-x) and"
"directory ownerships to root.root ([y]es, [n]o)? "+ $CHOWN
if ! $CHOWN; then
    read CHOWN;
else
    echo $CHOWN
else
    echo $CHOWN
    echo $CHOWN
fi
if "$CHOWN" = "y" ; then
    find . -type d -exec chmod -v 755 {} \;
    find . -type d -exec chown -v root.root {} \;
fi
else
    echo "Creating tar file $STAR_NAME.tar..."
else
    $STAR cvf $STAR_NAME.tar .
    # Warn of zero-length files:
    find . -type f -size 0c | while read file ; do
        echo "WARNING: zero length file $file"
    done
    find . -type f -name '*.gz' -size 20c | while read file ; do
        echo "WARNING: possible empty gzipped file $file"
    done
    else
        echo "Gzipping $STAR_NAME.tar..."
        gzip -9 $STAR_NAME.tar
        else
            echo "Renaming $STAR_NAME.tar.gz to $PACKAGE_NAME..."
mv $TAR_NAME.tar.gz $PACKAGE_NAME
if [ ! "$TARGET_NAME" = "." ]; then
  echo
  echo "Moving $PACKAGE_NAME to $TARGET_NAME..."
  mv $PACKAGE_NAME $TARGET_NAME
fi
echo
echo "Package creation complete."

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#!/bin/sh

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#
# Wed, 27 Apr 1994 00:06:50 -0700 (PDT)
# Optimization by David Hinds.

SOURCE_DIR=/var/log/mount
ASK="tagfiles"
if [-L /bin/chmod -a -L /bin/chown ]; then # probably on the bootdisk using busybox
TARGET_DIR=/mnt
TMP=/mnt/var/log/setup/tmp
if mount | grep "on /mnt" | /dev/null 2>&1 ; then # good
true
else # bad
echo
echo
echo "You can't run pkgtool from the rootdisk until you've mounted your Linux"
echo "partitions beneath /mnt. Here are some examples of this:"

"If your root partition is /dev/hda1, and is using ext2fs, you would type:"
"mount /dev/hda1 /mnt -t ext2"
"Then, supposing your /usr partition is /dev/hda2, you must do this:"
"mount /dev/hda2 /mnt/usr -t ext2"
"Please mount your Linux partitions and then run pkgtool again."

TARGET_DIR=/
TMP=/var/log/setup/tmp
if [ ! -d $TMP ]; then
  mkdir -p $TMP
  chmod 700 $TMP
fi
ADM_DIR=$TARGET_DIR/var/log
LOG=$TMP/PKGTOOL.REMOVED

# remove whitespace
crunch() {  
  while read FOO ; do
    echo $FOO
  done
}

package_name() {  
  STRING='basename $1 .tgz'
  # Check for old style package name with one segment:
  if [ ""$STRING | cut -f 1 -d -"" = "$STRING | cut -f 2 -d -"" ]; then
    echo $STRING
  else # has more than one dash delimited segment
    # Count number of segments:
    INDEX=1
    while [ ! "$STRING | cut -f $INDEX -d -"" = "" ]; do
      INDEX=`expr $INDEX + 1`
    done
    INDEX=`expr $INDEX - 1` # don't include the null value
    # If we don't have four segments, return the old-style (or out of spec) package name:
    if [ "$INDEX" = "2" -o "$INDEX" = "3" ]; then
      echo $STRING
    else # we have four or more segments, so we'll consider this a new-style name:
      NAME=`expr $INDEX - 3`
      NAME=""$STRING | cut -f 1-$NAME -d -"
      echo $NAME
# cruft for later ;)

# VER='expr $INDEX - 2'
# VER="'echo $STRING | cut -f $VER -d -'"
# ARCH='expr $INDEX - 1'
# ARCH="'echo $STRING | cut -f $ARCH -d -'"
# BUILD="'echo $STRING | cut -f $INDEX -d -'"
fi
fi
}

remove_packages() {
for pkg_name in $*
    do
        if [ -r $ADM_DIR/packages/$pkg_name ]; then
            dialog --title "PACKAGE REMOVAL IN PROGRESS" --cr-wrap --infobox "Removing package $pkg_name.
Since each file must be checked against the contents of every other installed package to avoid wiping out areas of overlap, this process can take quite some time. If you'd like to watch the progress, flip over to another virtual console and type:
tail -f $TMP/PKGTOOL.REMOVED"
        export ROOT=$TARGET_DIR
        removepkg $pkg_name >> $LOG 2> /dev/null
        else
            echo "No such package: $pkg_name. Can't remove." >> $LOG
        fi
    done
}

# Here, we read the list of arguments passed to the pkgtool script.
if [ $# -gt 0 ]; then # there are arguments to the command
    while [ $# -gt 0 ]; do
        case "$1" in
            "-sets")
                DISK_SETS="echo $2 | tr "[A-Z]" "[a-z]"" ; shift 2 ;;
            "-source_mounted")
                SOURCE_MOUNTED="always" ; shift 1 ;;
            "-ignore_tagfiles")
                ASK="never" ; shift 1 ;;
            "-tagfile")
                USETAG=$2 ; shift 2 ;;
            "-source_dir")
                SOURCE_DIR=$2 ; shift 2 ;;
            "-target_dir")
                TARGET_DIR=$2
                ADM_DIR=$TARGET_DIR/var/log
shift 2 ;;
"-source_device")
SOURCE_DEVICE=$2 ; shift 2 ;;
esac
done
else # there were no arguments, so we'll get the needed information from the
# user and then go on.
CMD_START="true"
rm -f $TMP/SeT*
while [ 0 ]; do
dialog --title "Slackware Package Tool (pkgtool version 9.0.0)" \
--menu "\nWelcome to the Slackware package tool.\n\
\nWhich option would you like?\n" 17 75 7 \
"Current" "Install packages from the current directory" \
"Other" "Install packages from some other directory" \
"Floppy" "Install packages from floppy disks" \
"Remove" "Remove packages that are currently installed" \
"View" "View the list of files contained in a package" \
"Setup" "Choose Slackware installation scripts to run again" \
"Exit" "Exit Pkgtool" 2> $TMP/reply
if [ ! $? = 0 ]; then
rm -f $TMP/reply
dialog --clear
exit
fi
REPLY="'cat $TMP/reply'"
rm -f $TMP/reply
if [ "$REPLY" = "Exit" ]; then
dialog --clear
exit
fi
if [ "$REPLY" = "Setup" ]; then
echo 'dialog --title "SELECT SYSTEM SETUP SCRIPTS" --item-help --checklist \
"Please use the spacebar to select the setup scripts to run. Hit enter when you \
are done selecting to run the scripts." 17 70 9 \' > $TMP/setupscr
for script in $ADM_DIR/setup/setup.* ; do
BLURB='grep '#BLURB' $script | cut -b8-'
if [ "$BLURB" = "" ]; then
BLURB="\"\""
fi
echo " \"'basename $script | cut -f2- -d .'\" $BLURB \"no\" $BLURB \\" >> $TMP/setupscr
done
echo "2> $TMP/return" >> $TMP/setupscr
. $TMP/setupscr
if [ ! "'cat $TMP/return'" = "" ]; then
# Run each script:
for script in 'cat $TMP/return' ; do
scrpath=$ADM_DIR/setup/setup.'echo $script | tr -d \"'

Open Source Used In ASA-RM 9.15.1 3805


rootdevice=""mount | head -1 | cut -f 1 -d ' ""

( COLOR=on ; cd $TARGET_DIR ; . $scrpath / $rootdevice )
done
fi
rm -f $TMP/return $TMP/setupscr
continue
fi # end Setup
if [ "$REPLY" = "View" ]; then
  DEFITEM=""
  export DEFITEM
  dialog --title "SCANNING" --infobox "Please wait while \n  Pkgtool scans your system to determine which packages you have \n  installed and prepares a list for you." 0 0
echo 'dialog $DEFITEM --item-help --menu "Please select the package you wish to view." 17 68 10 \n  for name in 'ls $ADM_DIR/packages'; do
    pkg_name='package_name $name'
    BLURB="'sed -n "/$pkg_name:/{s/"//g;p;q;}" $ADM_DIR/packages/$name | cut -f 2- -d : | crunch'"
    # Let's have some backward compatibility with the interim beta (for now):
    if [ "$BLURB" = "" ]; then
      BLURB="'sed -n "/$name:/{s/"//g;p;q;}" $ADM_DIR/packages/$name | cut -f 2- -d : | crunch'"
    fi
    echo " "$name" "$BLURB" "View information about package $name" " >> $TMP/viewscr
done
echo "2> $TMP/return" >> $TMP/viewscr
while [ 0 ]; do
  . $TMP/viewscr
  if [ ! "cat $TMP/return" = "" ]; then
    DEFITEM="--default-item 'cat $TMP/return'"
    dialog --title "CONTENTS OF PACKAGE: 'cat $TMP/return'" --no-shadow --textbox "$ADM_DIR/packages/cat $TMP/return" \n    0 0 2> /dev/null
  else
    break
  fi
done
rm -f $TMP/return $TMP/viewscr $TMP/tmpmsg
# This will clean up after most defective packages:
chmod 755 /
chmod 1777 /tmp
continue
fi
if [ "$REPLY" = "Remove" ]; then
dialog --title "SCANNING" --infobox "Please wait while Pkgtool scans \n  your system to determine which packages you have installed and prepares \n  a list for you." 0 0
# end section
cat << EOF > $TMP/rmscript

EOF


dialog --title "SELECT PACKAGES TO REMOVE" --item-help --checklist
"Please select the \npackages you wish to Remove. Use the \nspacebar to select packages to delete, and the UP/DOWN arrow keys to \nscroll up and down through the entire list." 20 75 11 \nEOF

for name in 'ls $ADM_DIR/packages' ; do
  pkg_name='package_name $name'
  BLURB="'sed -n "/$pkg_name:/{s/"//g;p;q;}" $ADM_DIR/packages/$name | cut -f 2- -d : | crunch'"
  # Let's have some backward compatibility with the interim beta (for now):
  if [ "$BLURB" = "" ]; then
    BLURB="'sed -n "/$name:/{s/"//g;p;q;}" $ADM_DIR/packages/$name | cut -f 2- -d : | crunch'"
  fi
  echo " "$name" "$BLURB" off "Select/Unselect removing package $name" \n" >> $TMP/rmscript
done

echo "2> $TMP/return" >> $TMP/rmscript
if [ -L $LOG -o -r $LOG ]; then
  rm -f $LOG
fi

cat /dev/null > $LOG
chmod 600 $LOG
chmod 700 $TMP/rmscript
export ADM_DIR;
$TMP/rmscript
remove_packages 'cat $TMP/return | tr -d "\042"'
if [ "cat $TMP/PKGTOOL.REMOVED" = "" ]; then
  rm -f $TMP/PKGTOOL.REMOVED
  dialog --title "NO PACKAGES REMOVED" --msgbox "Hit OK to return \nto the main menu." 5 40
else
  dialog --title "PACKAGE REMOVAL COMPLETE" --msgbox "The packages have \nbeen removed. A complete log of the files that were removed has been created \nin $TMP: PKGTOOL.REMOVED." 0 0
fi

rm -f $TMP/rmscript $TMP/return $TMP/tmpmsg $TMP/SeT*
chmod 755 /
chmod 1777 /tmp

# No, return to the main menu:
# exit
elif [ "$SREPLY" = "Floppy" ]; then
  dialog --title "SELECT FLOPPY DRIVE" --menu "Which floppy drive would \nyou like to install from?" \
  11 70 4 \
"/dev/fd0u1440" "1.44 MB first floppy drive" \
"/dev/fd1u1440" "1.44 MB second floppy drive" \
"/dev/fd0h1200" "1.2 MB first floppy drive" \
"/dev/fd1h1200" "1.2 MB second floppy drive" 2> $TMP/wdrive
dialog --clear
exit
fi
SOURCEDEVICE="cat $TMP/wdrive"
rm -f $TMP/wdrive
cat << EOF > $TMP/tmpmsg
Enter the names of any disk sets you would like to install.
Separate the sets with a space, like this: a b oi x

To install packages from one disk, hit [enter] without typing anything.

EOF
dialog --title "SOFTWARE SELECTION" --inputbox "cat $TMP/tmpmsg" 13 70 2> $TMP/sets
DISK_SETS="cat $TMP/sets"
rm -f $TMP/sets
if [ "$DISK_SETS" = "" ]; then
    DISK_SETS="disk"
else
    DISK_SETS='echo $DISK_SETS | sed 's/ /#/g'"
    DISK_SETS="#$DISK_SETS"
fi
break;
elif [ "$REPLY" = "Other" ]; then
    dialog --title "SELECT SOURCE DIRECTORY" --inputbox "Please enter the name of the directory that you wish to install packages from:" 10 50 2> $TMP/pkgdir
    if [ $? = 1 ]; then
        rm -f $TMP/pkgdir $TMP/SeT*
        dialog --clear
        exit
    fi
    SOURCE_DIR="cat $TMP/pkgdir"
    SOURCE_MOUNTED="always"
    DISK_SETS="disk"
    chmod 755 $TARGET_DIR
    chmod 1777 $TARGET_DIR/tmp
    rm -f $TMP/pkgdir
    if [ ! -d $SOURCE_DIR ]; then
        dialog --title "DIRECTORY NOT FOUND" --msgbox "The directory you want to install from ($SOURCE_DIR) does not seem to exist. Please check the directory and then try again." 10 50
        dialog --clear
        exit
    fi
    break;
else # installing from current directory
SOURCE_MOUNTED="always"
SOURCE_DIR="$PWD"
DISK_SETS="disk"
chmod 755 $TARGET_DIR
chmod 1777 $TARGET_DIR/tmp
break;
fi
done
fi
if [ "$DISK_SETS" = "disk" ]; then
ASK="always"
fi

mount_the_source() {
# is the source supposed to be mounted already?
if [ "$SOURCE_MOUNTED" = "always" ]; then
# The source should already be mounted, so we test it
if [ ! -d $SOURCE_DIR ]; then # the directory is missing
cat << EOF > $TMP/tmpmsg
Your source device cannot be accessed properly.
Please be sure that it is mounted on $SOURCE_DIR,
and that the Slackware disks are found in subdirectories
of $SOURCE_DIR like specified.
EOF
dialog --title "MOUNT ERROR" --msgbox "cat $TMP/tmpmsg" 11 67
rm -f $TMP/tmpmsg
exit 1;
fi
return 0;
fi
dialog --title "INSERT DISK" --menu "Please insert disk $1 and 
press ENTER to continue." \
11 50 3 \\
"Continue" "Continue with the installation" \\
"Skip" "Skip the current disk series" \\
"Quit" "Abort the installation process" 2> $TMP/reply
if [ ! $? = 0 ]; then
REPLY="Quit"
else
REPLY=""cat $TMP/reply"
fi
rm -f $TMP/reply
if [ "$REPLY" = "Skip" ]; then
return 1;
fi
if [ "$REPLY" = "Quit" ]; then
dialog --title "ABORTING" --msgbox "Aborting software installation." 5 50
chmod 755 $TARGET_DIR
chmod 1777 $TARGET_DIR/tmp
exit 1;
fi;
# Old line:
# mount -r -t msdos $SOURCE_DEVICE $SOURCE_DIR
# New ones: (thanks to Andy Schwierskott!)
go_on=y
not_successfull_mounted=1
while [ "$go_on" = y -a "$not_successfull_mounted" = 1 ]; do
    mount -r -t msdos $SOURCE_DEVICE $SOURCE_DIR
    not_successfull_mounted=$?
    if [ "$not_successfull_mounted" = 1 ]; then
        mount_answer=x
        while [ "$mount_answer" != "y" -a "$mount_answer" != "q" ]; do
            dialog --title "MOUNT PROBLEM" --menu "Media was not successfully mounted! Do you want to \retry, or quit?" 10 60 2 "Yes" "Try to mount the disk again" "No" "No, abort." 2> $TMP/mntans
            mount_answer="cat $TMP/mntans"
            rm -f $TMP/mntans
            if [ "$mount_answer" = "Yes" ]; then
                mount_answer="y"
            else
                mount_answer="q"
            fi
        done
    fi
    go_on=$mount_answer
fi
done
test $not_successfull_mounted = 0
}

umount_the_source() {
if [ ! "$SOURCE_MOUNTED" = "always" ]; then
    umount $SOURCE_DEVICE 1> /dev/null 2>&1
fi;
}

install_disk() {
    mount_the_source $1
    if [ $? = 1 ]; then
        umount_the_source;
        return 1;
    fi
}
CURRENT_DISK_NAME="$1"
PACKAGE_DIR=$SOURCE_DIR
if [ "$SOURCE_MOUNTED" = "always" -a "$DISK_SETS" = "disk" ]; then
    PACKAGE_DIR=$PACKAGE_DIR/$1
fi

# If this directory is missing or contains no *.tgz files, bail.
if [ ! -d $PACKAGE_DIR ]; then
    return 1
fi
if ls $PACKAGE_DIR/*.tgz 1> /dev/null 2> /dev/null ; then
    true
else
    return 1
fi

# # look for tagfile for this series and copy into $TMP/tagfile
#
touch $TMP/tagfile
if [ ! "$DISK_SETS" = "disk" ]; then
    if [ -r $TMP/SeTtagext ]; then
        if [ -r $PACKAGE_DIR/tagfile'cat $TMP/SeTtagext' ]; then
            cat $PACKAGE_DIR/tagfile'cat $TMP/SeTtagext' >> $TMP/tagfile
        else
            if [ -r $PACKAGE_DIR/tagfile ]; then
                cat $PACKAGE_DIR/tagfile >> $TMP/tagfile
            fi
        fi
    else
        if [ -r $PACKAGE_DIR/tagfile ]; then
            cat $PACKAGE_DIR/tagfile >> $TMP/tagfile
        fi
    fi

    # # Do we need to follow a custom path to the tagfiles?
    #
    elif [ -r $TMP/SeTtagpath ]; then
        custom_path='cat $TMP/SeTtagpath'
        short_path='basename $PACKAGE_DIR'

        # If tagfile exists at the specified custom path, copy it over.
        if [ -r $custom_path/$short_path/tagfile ]; then
            cat $custom_path/$short_path/tagfile >> $TMP/tagfile
        else # well, I guess we'll use the default one then.
            if [ -r $PACKAGE_DIR/tagfile ]; then
                cat $PACKAGE_DIR/tagfile >> $TMP/tagfile
            fi
        fi
# We seem to be testing for this too often... maybe this code should
# be optimized a little...
#
elif [ -r $PACKAGE_DIR/tagfile ]; then
cat $PACKAGE_DIR/tagfile >> $TMP/tagfile
fi

# # Execute menus if in QUICK mode:
#
if [ -r $TMP/SeTQUICK -a -r $PACKAGE_DIR/maketag ]; then
if [ ! "$SMAKETAG" = "" -a -r $PACKAGE_DIR/$SMAKETAG ]; then # use alternate maketag
    sh $PACKAGE_DIR/$SMAKETAG
else
    sh $PACKAGE_DIR/maketag
fi
if [ -r $TMP/SeTnewtag ]; then
    mv $TMP/SeTnewtag $TMP/tagfile
fi
fi

# # Protect tagfile from hacker attack:
#
if [ -r $TMP/tagfile ]; then
    chmod 600 $TMP/tagfile
fi
fi # ! "$DISK_SETS" = "disk"

# It's possible that the tagfile was specified on the command line. If that's
# the case, then we'll just override whatever we figured out up above.
if [ ! "$USETAG" = "" ]; then
    cat $USETAG > $TMP/tagfile
fi

# If there's a catalog file present, use it to check for missing files.
# If not, forget about that and install whatever's there.
if [ "$1" = "single_disk" -o -r $PACKAGE_DIR/disk$1 -o -r $PACKAGE_DIR/package-list.txt ]; then
    if [ -r $PACKAGE_DIR/package-list.txt ]; then
        CATALOG_FILE=$PACKAGE_DIR/package-list.txt
    else
        CATALOG_FILE=`basename $PACKAGE_DIR/disk*`
    fi
    if grep CONTENTS: $PACKAGE_DIR/$CATALOG_FILE 1> /dev/null 2>&1 ; then
        # First we check for missing packages...
        for PKGTEST in `grep "^CONTENTS:" $PACKAGE_DIR/$CATALOG_FILE | cut -f2 -d " ; do
# This is not a perfect test. (say emacs is missing but emacs-nox is not)
if ls $PACKAGE_DIR/$PKGTEST*.tgz 1> /dev/null 2> /dev/null ; then # found something like it
true
else
cat << EOF > $TMP/tmpmsg
WARNING!!!
While looking through your index file ($CATALOG_FILE),
I noticed that you might be missing a package:

SPKGTEST-

that is supposed to be on this disk (disk $1). You may go
on with the installation if you wish, but if this is a
crucial file I'm making no promises that your machine will
boot.

EOF
dialog --title "FILE MISSING FROM YOUR DISK" --msgbox "cat $TMP/tmpmsg" 17 67
fi
done # checking for missing packages
# Now we test for extra packages:
ALLOWED=""grep CONTENTS: $PACKAGE_DIR/$CATALOG_FILE | cut -b10- 2> /dev/null"
for PACKAGE_FILENAME in $PACKAGE_DIR/*.tgz; do
    BASE="basename $PACKAGE_FILENAME .tgz"
    BASE="package_name $BASE"
    if echo $ALLOWED | grep $BASE 1> /dev/null 2>&1 ; then
true
else
cat << EOF > $TMP/tmpmsg
WARNING!!!
While looking through your index file ($CATALOG_FILE),
I noticed that you have this extra package:

($BASE.tgz)
that I don't recognize. Please be sure this package is
really supposed to be here, and is not left over from an
old version of Slackware. Sometimes this can happen at the
archive sites.

EOF
dialog --title "EXTRA FILE FOUND ON YOUR DISK" \
--msgbox "cat $TMP/tmpmsg" 17 67
rm -f $TMP/tmpmsg
fi
done
fi
fi
fi # check for missing/extra packages

# Install the packages:
for PACKAGE_FILENAME in $PACKAGE_DIR/*.tgz; do
  if [ "$PACKAGE_FILENAME" = "$PACKAGE_DIR/*.tgz" ]; then
    continue;
  fi
  if [ "$ASK" = "never" ]; then # install the package
    installpkg -root $TARGET_DIR -infobox -tagfile $TMP/tagfile $PACKAGE_FILENAME
    ERROR=$?
  elif [ "$ASK" = "tagfiles" ]; then
    installpkg -root $TARGET_DIR -menu -tagfile $TMP/tagfile $PACKAGE_FILENAME
    ERROR=$?
  else # ASK should be = always here, and that's how we'll treat it
    installpkg -root $TARGET_DIR -menu -ask -tagfile $TMP/tagfile $PACKAGE_FILENAME
    ERROR=$?
  fi
# Check for abort:
if [ "$ERROR" = "99" ]; then
  umount_the_source;
  chmod 755 $TARGET_DIR
  chmod 1777 $TARGET_DIR/tmp
  exit 1;
  fi
done
OUTTAHERE="false"
if [ -r $PACKAGE_DIR/install.end ]; then
  OUTTAHERE="true"
fi
umount_the_source;
if [ "$OUTTAHERE" = "true" ]; then
  return 1;
fi
}

install_disk_set() { # accepts one argument: the series name in lowercase.
  SERIES_NAME=$1
  CURRENT_DISK_NUMBER="1"
  while [ 0 ]; do
    # Don't start numbering the directories until 2:
    if [ $CURRENT_DISK_NUMBER = 1 ]; then
      DISKTOINSTALL=$SERIES_NAME
    else
DISKTOINSTALL=$SERIES_NAME$CURRENT_DISK_NUMBER
fi
install_disk $DISKTOINSTALL.
if [ ! $? = 0 ]; then # install.end was found, or the user chose
    # to quit installing packages.
    return 0;
fi
CURRENT_DISK_NUMBER='expr $CURRENT_DISK_NUMBER + 1'
done;
}

# /* main() */ ;)
if [ "$DISK_SETS" = "disk" ]; then
    install_disk single_disk;
    ASK="always"
else
    touch $TMP/tagfile
    chmod 600 $TMP/tagfile
    if echo $DISK_SETS | grep "#a#" 1> /dev/null 2>&1; then
        A_IS_NEEDED="true"
    else
        A_IS_NEEDED="false"
    fi
    while [ 0 ];
    do
        while [ 0 ]; # strip leading #'s
            do
                if [ "'echo $DISK_SETS | cut -b1" = "#" ]; then
                    DISK_SETS="'echo $DISK_SETS | cut -b2-"
                else
                    break;
                fi
        done
        if [ "$A_IS_NEEDED" = "true" ]; then
            cat << EOF > $TMP/tmpmsg
--- Installing package series ==>a<==
EOF
dialog --infobox "'cat $TMP/tmpmsg'" 5 45
sleep 1
rm -f $TMP/tmpmsg
install_disk_set a;
A_IS_NEEDED="false"
fi
count="1"
if [ "'echo $DISK_SETS | cut -b$count" = "" ]; then
    break; # we be done here :^)
EOF
else
count="2"
while [ 0 ]; do
if [ "echo $DISK_SETS | cut -b$count" = "" -o "echo $DISK_SETS | cut -b$count" = ";" ]; then
  count="expr $count - 1"
  break;
else
  count="expr $count + 1"
fi
done
fi
diskset="echo $DISK_SETS | cut -b1-$count"
count="expr $count + 1"
DISK_SETS="echo $DISK_SETS | cut -b$count-
if [ "$diskset" = "a" ]; then
  continue; # we expect this to be done elsewhere
fi
cat << EOF > $TMP/tmpmsg
Installing package series ==>$diskset<==
EOF
dialog --infobox "$cat $TMP/tmpmsg" 5 45
sleep 1
rm -f $TMP/tmpmsg
install_disk_set $diskset;
done
fi

if [ "$DISK_SETS" = "disk" -o "$CMD_START" = "true" ]; then
if [ -r $TMP/tagfile ]; then
  rm $TMP/tagfile
fi
dialog --clear

fi
chmod 755 $TARGET_DIR $TARGET_DIR/var $TARGET_DIR/usr
chmod 1777 $TARGET_DIR/tmp
Taken from installpkg script
# Copyright 1994, 1998, 2000  Patrick Volkerding, Concord, CA, USA
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#
# *********************************************
# Refer to the XF86Config(4/5) man page for details about the format of
# this file.
# *********************************************

# This XF86Config file is designed for use with the Linux framebuffer console.
# This generic interface should work with nearly all video cards (although
# not every card will support every resolution). To use the Linux framebuffer
# console, you need to enable these kernel options:
# Using 'make menuconfig', in 'console drivers', enable:
#   [*] VGA text console
#   [*] Video mode selection support
#   [*] Support for frame buffer devices (EXPERIMENTAL)
#   [*] VESA VGA graphics console
#   [*] Advanced low level driver options
#   <**> 8 bpp packed pixels support
#   <**> 16 bpp packed pixels support
#   <**> 24 bpp packed pixels support
#   <**> 32 bpp packed pixels support
#   <**> VGA characters/attributes support
#   [*] Select compiled-in fonts
#   [*]   VGA 8x8 font
#   [*]   VGA 8x16 font

# If you have a Matrox or ATI Mach64, you might try enabling the options having
# to do with those cards as well. However, if the card is VESA compliant, you
# don't really need to (and it might cause problems, possibly)
#
# Next, if this file is not already named /etc/X11/XF86Config, make a copy
# with that name. This file ships with the name XF86Config-fbdev to avoid
# overwriting an existing config file.
#
# To get the kernel to start in VESA framebuffer mode, you need to pass it
# a vga= init string at boot time. For example, if you use LILO you'll
# probably find a vga=normal string in your /etc/lilo.conf. If you edit that
# to one of the values in this table:
#
#   Colours   640x480 800x600 1024x768 1280x1024 1600x1200
#  --------+---------------------------------------------
#  256     |   769     771      773      775       796
#  32,768  |   784     787      790      793       797
#  65,536  |   785     788      791      794       798
#  16.8M   |   786     789      792      795       799
#
#   ...such as this for 1024x768x64k:
#   vga = 791
#   and then reinstall LILO by running 'lilo' as root, then at the next boot
#   Linux should start in a VESA framebuffer console mode.
#
# For more information on how to activate the Linux frame buffer, see
# /usr/src/linux/Documentation/fb/vesafb.txt.
#
# Enjoy! :)  
# -- volkerdi@slackware.com
#

# *************************************************************
# Module section -- this section is used to specify
# which dynamically loadable modules to load.
# **********************************************************************
#
# Section "Module"
#
# This loads the DBE extension module.
Load "dbe" # Double buffer extension

# This loads the miscellaneous extensions module, and disables
# initialisation of the XFree86-DGA extension within that module.
SubSection "extmod"
  Option "omit xfree86-dga" # don't initialise the DGA extension
EndSubSection

# This loads the font modules
Load "type1"
Load "freetype"
Load "speedo"

# This loads the GLX module
Load "glx"

EndSection

# **********************************************************************
# Files section. This allows default font and rgb paths to be set
# **********************************************************************

Section "Files"

# The location of the RGB database. Note, this is the name of the
# file minus the extension (like ".txt" or ".db"). There is normally
# no need to change the default.
RgbPath "/usr/X11R6/lib/X11/rgb"

# Multiple FontPath entries are allowed (which are concatenated together),
# as well as specifying multiple comma-separated entries in one FontPath
# command (or a combination of both methods)
#
# If you don't have a floating point coprocessor and emacs, Mosaic or other
# programs take long to start up, try moving the Type1 and Speedo directory
# to the end of this list (or comment them out).
#
FontPath "/usr/X11R6/lib/X11/fonts/local/"
FontPath "/usr/X11R6/lib/X11/fonts/misc/"
FontPath "/usr/X11R6/lib/X11/fonts/75dpi/unscaled"
FontPath "/usr/X11R6/lib/X11/fonts/100dpi/unscaled"
FontPath "/usr/X11R6/lib/X11/fonts/Type1/"
FontPath "/usr/X11R6/lib/X11/fonts/CID/"
FontPath "/usr/X11R6/lib/X11/fonts/Speedo/"
FontPath "/usr/X11R6/lib/X11/fonts/75dpi/"
FontPath "/usr/X11R6/lib/X11/fonts/100dpi/"
FontPath "/usr/X11R6/lib/X11/fonts/cyrillic/"

# ModulePath can be used to set a search path for the X server modules.
# The default path is shown here.
#
#   ModulePath "/usr/X11R6/lib/modules"

EndSection

# **********************************************************************
# Server flags section.
# **********************************************************************

Section "ServerFlags"

# Uncomment this to cause a core dump at the spot where a signal is
# received. This may leave the console in an unusable state, but may
# provide a better stack trace in the core dump to aid in debugging
#
#   Option     "NoTrapSignals"

# Uncomment this to disable the <Crtl><Alt><Fn> VT switch sequence
# (where n is 1 through 12). This allows clients to receive these key
# events.
#
#   Option     "DontVTSwitch"

# Uncomment this to disable the <Crtl><Alt><BS> server abort sequence
# This allows clients to receive this key event.
#
#   Option     "DontZap"

# Uncomment this to disable the <Crtl><Alt><KP_+>/<KP_-> mode switching
# sequences. This allows clients to receive these key events.
#
#   Option     "DontZoom"

# Uncomment this to disable tuning with the xvidtune client. With
# it the client can still run and fetch card and monitor attributes,
# but it will not be allowed to change them. If it tries it will

Open Source Used In ASA-RM 9.15.1  3820
# receive a protocol error.

# Option  "DisableVidModeExtension"

# Uncomment this to enable the use of a non-local xvidtune client.

# Option  "AllowNonLocalXvidtune"

# Uncomment this to disable dynamically modifying the input device
# (mouse and keyboard) settings.

# Option  "DisableModInDev"

# Uncomment this to enable the use of a non-local client to
# change the keyboard or mouse settings (currently only xset).

# Option  "AllowNonLocalModInDev"

# Set the basic blanking screen saver timeout.

# Option  "blank time"  "10"  # 10 minutes

# Set the DPMS timeouts. These are set here because they are global
# rather than screen-specific. These settings alone don't enable DPMS.
# It is enabled per-screen (or per-monitor), and even then only when
# the driver supports it.

# Option  "standby time"  "20"
# Option  "suspend time"  "30"
# Option  "off time"  "60"

# On some platform the server needs to estimate the sizes of PCI
# memory and pio ranges. This is done by assuming that PCI ranges
# don't overlap. Some broken BIOSes tend to set ranges of inactive
# devices wrong. Here one can adjust how aggressive the assumptions
# should be. Default is 0.

# Option  "EstimateSizesAggresively"  "0"

EndSection

# ******************************************************************************
# Input devices
# ******************************************************************************

# ******************************************************************************
# Core keyboard's InputDevice section
# ******************************************************************************
Section "InputDevice"

  Identifier "Keyboard1"
  Driver "Keyboard"

# For most OSs the protocol can be omitted (it defaults to "Standard").
# When using XQUEUE (only for SVR3 and SVR4, but not Solaris),
# uncomment the following line.

# Option  "Protocol"  "Xqueue"

# Set the keyboard auto repeat parameters. Not all platforms implement
# this.

# Option  "AutoRepeat"  "500 5"

# Specify which keyboard LEDs can be user-controlled (eg. with xset(1)).

# Option  "Xleds"  "1 2 3"

# To disable the XKEYBOARD extension, uncomment XkbDisable.

# Option  "XkbDisable"

# To customise the XKB settings to suit your keyboard, modify the
# lines below (which are the defaults). For example, for a European
# keyboard, you will probably want to use one of:

# Option  "XkbModel"  "pc102"
# Option  "XkbModel"  "pc105"
#
# If you have a Microsoft Natural keyboard, you can use:

# Option  "XkbModel"  "microsoft"
#
# If you have a US "windows" keyboard you will want:

# Option  "XkbModel"  "pc104"
#
# Then to change the language, change the Layout setting.
# For example, a german layout can be obtained with:

# Option  "XkbLayout"  "de"
#
# or:
#
# Option  "XkbLayout"  "de"
# Option  "XkbVariant"  "nodeadkeys"
# If you'd like to switch the positions of your capslock and
# control keys, use:
#
#    Option  "XkbOptions"    "ctrl:swapcaps"

# These are the default XKB settings for XFree86
#
#    Option  "XkbRules"      "xfree86"
#    Option  "XkbModel"      "pc101"
#    Option  "XkbLayout"     "us"
#    Option  "XkbVariant"    ""
#    Option  "XkbOptions"    ""

EndSection

# Core Pointer's InputDevice section
# **********************************************************************

Section "InputDevice"

# Identifier and driver

    Identifier  "Mouse1"
    Driver      "mouse"

# On platforms where PnP mouse detection is supported the following
# protocol setting can be used when using a newer PnP mouse:

    Option  "Protocol"    "Auto"

# The available mouse protocols types that you can set below are:
#    Auto BusMouse GlidePoint GlidePointPS/2 IntelliMouse IMPS/2
#    Logitech Microsoft MMHitTab MMSeries Mouseman MouseManPlusPS/2
#    MouseSystems NetMousePS/2 NetScrollPS/2 OSMouse PS/2 SysMouse
#    ThinkingMouse ThinkingMousePS/2 Xqueue
#    Option "Protocol"    "PS/2"

# The mouse device. The device is normally set to /dev/mouse,
# which is usually a symbolic link to the real device.

    Option  "Device"    "/dev/mouse"
    Option  "Device"    "/dev/psaux"
    Option  "Device"    "/dev/ttyS0"
    Option  "Device"    "/dev/ttyS1"
When using XQUEUE, comment out the above two lines, and uncomment the following line.

```
    Option "Protocol" "Xqueue"
```

Baudrate and SampleRate are only for some Logitech mice. In almost every case these lines should be omitted.

```
    Option "BaudRate" "9600"
    Option "SampleRate" "150"
```

Emulate3Buttons is an option for 2-button Microsoft mice

```
    Option "Emulate3Buttons"
    Option "Emulate3Timeout" "50"
```

ChordMiddle is an option for some 3-button Logitech mice

```
    Option "ChordMiddle"
```

Some examples of extended input devices

```
    Section "InputDevice"
    Identifier "spaceball"
    Driver "magellan"
    Option "Device" "/dev/cua0"
    EndSection

    Section "InputDevice"
    Identifier "spaceball2"
    Driver "spaceorb"
    Option "Device" "/dev/cua0"
    EndSection

    Section "InputDevice"
    Identifier "touchscreen0"
    Driver "microtouch"
    Option "Device" "/dev/ttyS0"
    Option "MinX" "1412"
    Option "MaxX" "15184"
    Option "MinY" "15372"
    Option "MaxY" "1230"
    Option "ScreenNumber" "0"
    Option "ReportingMode" "Scaled"
```
Section "InputDevice"

    Identifier "touchscreen1"
    Driver "elo2300"
    Option "Device" "/dev/ttyS0"
    Option "MinX" "231"
    Option "MaxX" "3868"
    Option "MinY" "3858"
    Option "MaxY" "272"
    Option "ScreenNumber" "0"
    Option "ReportingMode" "Scaled"
    Option "ButtonThreshold" "17"
    Option "ButtonNumber" "1"
    Option "SendCoreEvents"

# Any number of monitor sections may be present

Section "Monitor"

    Identifier "My Monitor"

    HorizSync 31.5 - 50.0

    HorizSync30-64   # multisync
    HorizSync31.5, 35.2   # multiple fixed sync frequencies
    HorizSync15-25, 30-50 # multiple ranges of sync frequencies

    VertRefresh 40-90
# Graphics device section

# Any number of graphics device sections may be present

Section "Device"
  Identifier  "VESA Framebuffer"
  Driver      "fbdev"
  VideoRam    4096
  # Insert Clocks lines here if appropriate
EndSection

# Screen sections

# Any number of screen sections may be present. Each describes
# the configuration of a single screen. A single specific screen section
# may be specified from the X server command line with the "-screen"
# option.

Section "Screen"
  Identifier  "Screen 1"
  Device      "VESA Framebuffer"
  Monitor     "My Monitor"

  # You shouldn't need to set a default depth as the server will use
  # whatever the framebuffer is set to. If you insist on setting it, make
  # sure it matches the setting for your framebuffer.
  DefaultDepth 8

  Subsection "Display"
    Depth       8
  EndSubsection
  Subsection "Display"
    Depth       16
  EndSubsection
  Subsection "Display"
    Depth       24
  EndSubsection
  Subsection "Display"
    Depth       32
  EndSubsection
# ServerLayout sections.

Any number of ServerLayout sections may be present. Each describes the way multiple screens are organised. A specific ServerLayout section may be specified from the X server command line with the "-layout" option. In the absence of this, the first section is used. When no ServerLayout section is present, the first Screen section is used alone.

Section "ServerLayout"

The Identifier line must be present
Identifier "Simple Layout"

Each Screen line specifies a Screen section name, and optionally the relative position of other screens. The four names after primary screen name are the screens to the top, bottom, left and right of the primary screen. In this example, screen 2 is located to the right of screen 1.

Screen "Screen 1"

Each InputDevice line specifies an InputDevice section name and optionally some options to specify the way the device is to be used. Those options include "CorePointer", "CoreKeyboard" and "SendCoreEvents".

InputDevice "Mouse1" "CorePointer"
InputDevice "Keyboard1" "CoreKeyboard"

#EndSection

#!/bin/sh
# Slackware remove package script
#
# Revision 1.8 Thu Nov 22 14:00:13 PST 2001 volkerding Rel $1
# - Move $TMP underneath $ROOT
# - Understand the idea of a base package name, so that packages can be removed with any of these notations:
#   removepkg foo-1.0-i386-1.tgz
#   removepkg foo-1.0-i386-1
#   removepkg foo.tgz
#   removepkg foo
#
# Revision 1.7 2001/03/30 12:36:28 volkerding
# - Strip extra ".tgz" from input names.
#
# Revision 1.6 1999/03/25 18:26:41 volkerding
# - Use external "$ROOT" variable, like installpkg.
#
# Revision 1.5.1 1998/03/18 15:37:28 volkerding
# - Since removepkg is always run by root, the temp directory has been
#   moved from /tmp to a private directory to avoid symlink attacks from
#   malicious users.
#
# Revision 1.5 1997/06/26 12:09:53 franke
# - Fixed old bug in TRIGGER regex setting
# - -preserve/-copy options now preserve non-unique files
#   and empty directories also
#
# Revision 1.4 1997/06/09 13:21:36 franke
# - Package file preserve (-preserve, -copy) added.
# - Don't execute "rm -rf" lines from doinst.sh, removing links explicit.
# - Warning on no longer existing files added.
# - Warning on files changed after package installation added.
# - Intermediate file preserve (-keep) added.
# - Check for required files/links now done on a combined list.
# - Write access to /var/log/{packages,scripts} no longer necessary for -warn.
#
# Revision 1.3 1997/06/08 13:03:05 franke
# Merged with revision 1.1.1.1
#
# Revision 1.2 1996/06/01 20:04:26 franke
# Delete empty directories & formated manual pages added
#
# Revision 1.1.1.1 1995/12/18 21:20:42 volkerding
# Original Version from Slackware 3.1
#
# Revision 1.1 1995/06/05 22:49:11 volkerding
# Original Version from Slackware 3.0
#

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#
#
# Make sure there's a proper temp directory:
TMP=$ROOT/var/log/setup/tmp
# If the $TMP directory doesn't exist, create it:
if [ ! -d $TMP ]; then
  rm -rf $TMP # make sure it's not a symlink or something stupid
  mkdir -p $TMP
  chmod 700 $TMP # no need to leave it open
fi
ADM_DIR=$ROOT/var/log
PRES_DIR=$TMP/preserved_packages

# Preserv_e_file()
if [ "$PRESERVE" = "true" ]; then
  F="basename "$1""
  D="dirname "$1"
  if [ ! -d "$PRES_DIR/$PKGNAME/$D" ]; then
    mkdir -p "$PRES_DIR/$PKGNAME/$D" || return 1
  fi
  cp -p "$ROOT/$D/$F" "$PRES_DIR/$PKGNAME/$D" || return 1
fi
return 0

# Preserv_e_dir()
if [ "$PRESERVE" = "true" ]; then
  if [ ! -d "$PRES_DIR/$PKGNAME/$1" ]; then
    mkdir -p "$PRES_DIR/$PKGNAME/$1" || return 1
  fi
fi
fi
return 0
}

keep_files() {
while read FILE ; do
if [ ! -d "$ROOT/$FILE" ]; then
if [ -r "$ROOT/$FILE" ]; then
  echo " -- $ROOT/$FILE was found in another package. Skipping."
preserve_file "$FILE"
else
  if [ "echo $FILE | cut -b1-8" != "install/" ]; then
    echo "WARNING: Nonexistent $ROOT/$FILE was found in another package. Skipping."
    fi
  fi
else
  preserve_dir "$FILE"
fi
done
}

keep_links() {
while read LINK ; do
if [ -L "$ROOT/$LINK" ]; then
  echo " -- $ROOT/$LINK (symlink) was found in another package. Skipping."
else
  echo "WARNING: Nonexistent $ROOT/$LINK (symlink) was found in another package. Skipping."
  fi
done
}

delete_files() {
while read FILE ; do
if [ ! -d "$ROOT/$FILE" ]; then
if [ -r "$ROOT/$FILE" ]; then
  if [ "$ROOT/$FILE" -nt "$ADM_DIR/packages/$PKGNAME" ]; then
    echo "WARNING: $ROOT/$FILE changed after package installation."
    fi
if [ ! "$WARN" = "true" ]; then
  echo " -- Deleting $ROOT/$FILE"
preserve_file "$FILE" && rm -f "$ROOT/$FILE"
else
  echo " -- $ROOT/$FILE would be deleted"
preserve_file "$FILE"
fi
else
  echo " -- $ROOT/$FILE no longer exists. Skipping."
fi
}
else
  preserve_dir "$FILE"
fi
done
}

delete_links() {
  while read LINK ; do
    if [ -L "$ROOT/$LINK" ]; then
      if [ ! "$WARN" = "true" ]; then
        echo "  --> Deleting symlink $ROOT/$LINK"
        rm -f $ROOT/$LINK
      else
        echo "  --> $ROOT/$LINK (symlink) would be deleted"
      fi
    else
      echo "  --> $ROOT/$LINK (symlink) no longer exists. Skipping."
    fi
done
}

delete_dirs() {
  sort -r | \
  while read DIR ; do
    if [ -d "$ROOT/$DIR" ]; then
      if [ ! "$WARN" = "true" ]; then
        if [ 'ls -a "$ROOT/$DIR" | wc -l' -eq 2 ]; then
          echo "  --> Deleting empty directory $ROOT/$DIR"
          rmdir $ROOT/$DIR
        else
          echo "WARNING: Unique directory $ROOT/$DIR contains new files"
        fi
      else
        echo "  --> $ROOT/$DIR (dir) would be deleted if empty"
      fi
    fi
done
}

delete_cats() {
  sed -n 's,/man\([^/]*\),/cat\1,p' | \
  while read FILE ; do
    if [ -f "$ROOT/$FILE" ]; then
      if [ ! "$WARN" = "true" ]; then
        echo "  --> Deleting $ROOT/$FILE (fmt man page)"
        rm -f $ROOT/$FILE
      else
        echo "  --> $ROOT/$FILE (fmt man page) would be deleted"
package_name() {
    STRING='basename $1 .tgz'
    # Check for old style package name with one segment:
    if [ """echo $STRING | cut -f 1 -d -"""" = """"echo $STRING | cut -f 2 -d -"""" ]; then
        echo $STRING
    else # has more than one dash delimited segment
        # Count number of segments:
        INDEX=1
        while [ ! """"echo $STRING | cut -f $INDEX -d -"""" = """" ]; do
            INDEX='expr $INDEX + 1'
        done
        INDEX='expr $INDEX - 1' # exclude the null value
        # If we don't have four segments, return the old-style (or out of spec) package name:
        if [ "$INDEX" = 2 -o "$INDEX" = 3 ]; then
            echo $STRING
        else # we have four or more segments, so we'll consider this a new-style name:
            NAME='expr $INDEX - 3'
            NAME=""""echo $STRING | cut -f 1-$NAME -d -"""
            echo $NAME
            # cruft for later ;)
            #VER='expr $INDEX - 2'
            #VER=""""echo $STRING | cut -f $VER -d -""
            #ARCH='expr $INDEX - 1'
            #ARCH=""""echo $STRING | cut -f $ARCH -d -""
            #BUILD=""""echo $STRING | cut -f $INDEX -d -"
        fi
    fi
}

# Conversion to 'comm' utility by Mark Wisdom.
# is pretty nifty! :^)
remove_packages() {
    for PKGLIST in $*
    do
        PKGNAME='basename $PKGLIST .tgz'
        echo
        # If we don't have a package match here, then we will attempt to find
        # a package using the long name format (name-version-arch-build) for
        # which the base package name was given. On a properly-managed machine,
        # there should only be one package installed with a given basename, but
        # we don't enforce this policy. If there's more than one, only one will
        # be removed. If you want to remove them all, you'll need to run
        # removepkg again until it removes all the same-named packages.
if [ ! -e $ADM_DIR/packages/$PKGNAME ]; then
    SHORT="package_name $PKGNAME"
for long_package in $ADM_DIR/packages/$PKGNAME* ; do
    if [ "package_name $PKGNAME" = "package_name $long_package" ]; then
        PKGNAME="basename $long_package"
    fi
done
fi
if [ -r $ADM_DIR/packages/$PKGNAME ]; then
    if [ ! "$WARN" = true ]; then
        echo "Removing package $ADM_DIR/packages/$PKGNAME..."
    fi
    if fgrep "./" $ADM_DIR/packages/$PKGNAME 1> /dev/null 2>&1; then
        TRIGGER="\n\n"
    else
        TRIGGER="FILE LIST:"
    fi
    if [ ! "$WARN" = true ]; then
        echo "Removing files:"
    fi
    sed -n "/$TRIGGER/,/^$/p" < $ADM_DIR/packages/$PKGNAME | \
        fgrep -v "FILE LIST:" | sort -u > $TMP/delete_list$
# Pat's new-new && improved pre-removal routine.
cat_except $ADM_DIR/packages $PKGNAME | sort -u > $TMP/required_list$
if [ -r $ADM_DIR/scripts/$PKGNAME ]; then
    extract_links < $ADM_DIR/scripts/$PKGNAME | sort -u > $TMP/del_link_list$
    cat_except $ADM_DIR/scripts $PKGNAME | extract_links | \
        sort -u > $TMP/required_links$
    mv $TMP/required_list$ $TMP/required_files$
    sort -u $TMP/required_links$ $TMP/required_files$ > $TMP/required_list$
    comm -12 $TMP/del_link_list$ $TMP/required_list$ | keep_links
    comm -23 $TMP/del_link_list$ $TMP/required_list$ | delete_links
else
    cat $ADM_DIR/scripts/* | extract_links | \
        sort -u > $TMP/required_links$
    mv $TMP/required_list$ $TMP/required_files$
    sort -u $TMP/required_links$ $TMP/required_files$ > $TMP/required_list$
fi
    comm -12 $TMP/delete_list$ $TMP/required_list$ | keep_files
    comm -23 $TMP/delete_list$ $TMP/required_list$ > $TMP/uniq_list$
delete_files < $TMP/uniq_list$
delete_dirs < $TMP/uniq_list$
delete_cats < $TMP/uniq_list$
if [ ! "$KEEP" = "true" ]; then
    rm -f $TMP/delete_list$ $TMP/required_files$ $TMP/uniq_list$
    rm -f $TMP/del_link_list$ $TMP/required_links$ $TMP/required_list$
fi
if [ "$PRESERVE" = "true" ]; then

if [-r $ADM_DIR/scripts/$PKGNAME ]; then
    if [ ! -d "$PRES_DIR/$PKGNAME/install" ]; then
        mkdir -p "$PRES_DIR/$PKGNAME/install"
    fi
    cp -p $ADM_DIR/scripts/$PKGNAME $PRES_DIR/$PKGNAME/install/doinst.sh
    fi
fi
if [ ! "$WARN" = "true" ]; then
    for DIR in $ADM_DIR/removed_packages $ADM_DIR/removed_scripts ; do
        if [ ! -d $DIR ] ; then mkdir -p $DIR ; chmod 755 $DIR ; fi
    done
    mv $ADM_DIR/packages/$PKGNAME $ADM_DIR/removed_packages
    if [-r $ADM_DIR/scripts/$PKGNAME ]; then
        mv $ADM_DIR/scripts/$PKGNAME $ADM_DIR/removed_scripts
    fi
else
    echo "No such package: $ADM_DIR/packages/$PKGNAME. Can't remove."
fi
done
}

if [ "$#" = "0" ]; then
    echo "Usage: 'basename $0' [-copy] [-keep] [-preserve] [-warn] packagename ..."; exit 1
else
    while : ; do
        case "$1" in
            -copy) WARN=true; PRESERVE=true; shift;;
            -keep) KEEP=true; shift;;
            -preserve) PRESERVE=true; shift;;
            -warn) WARN=true; shift;;
            *) echo "Usage: 'basename $0' [-copy] [-keep] [-preserve] [-warn] packagename ..."; exit 1;;
        esac
    esac
    done

if [ "$WARN" = "true" ]; then
    echo "Only warning... not actually removing any files."
if [ "$PRESERVE" = "true" ]; then
    echo "Package contents is copied to $PRES_DIR."
else
    echo "Here's what would be removed (and left behind) if you"
    echo "removed the package(s):"
    echo
    else
    if [ "$PRESERVE" = "true" ]; then
        echo "Package contents is copied to $PRES_DIR."
remove_packages ${*}

#!/bin/sh
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# WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR
# OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF
# ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
#
# Modified to handle either old 8.3 or new package-version-arch-build.tgz
# packages, Sat Nov 17 14:25:58 PST 2001 volkerdi
#
# Rewritten to clean out _all_ old packages of a given basename, not just
# the first one found, Thu Apr  4 01:01:05 PST 2002 volkerdi
#
# Added --install-new and --reinstall, Fri May 31 14:11:14 PDT 2002 volkerdi

usage() {
  cat << EOF
Usage: upgradepkg newpackage [newpackage2 ... ]
   upgradepkg oldpackage%newpackage [oldpackage2%newpackage2 ... ]

Upgradepkg upgrades a Slackware .tgz package from an older version to a
newer one.  It does this by INSTALLING the new package onto the system, and
then REMOVING any files from the old package that aren't in the new package.
If the old and new packages have the same name, a single argument is all that
is required.  If the packages have different names, supply the name of the
old package followed by a percent symbol (%), then the name of the new package.
Do not add any extra whitespace between pairs of old/new package names.

EOF
}
Before upgrading a package, save any configuration files (such as in /etc) that you wish to keep. Sometimes these will be preserved, but it depends on the package structure. If you want to force new versions of the config files to be installed, remove the old ones manually prior to running upgradepkg.

To upgrade in a directory other than / (such as /mnt):

```
ROOT=/mnt upgradepkg package.tgz
EOF
```

# Make sure there's a proper temp directory:
TMP=/var/log/setup/tmp
# If the $TMP directory doesn't exist, create it:
if [ ! -d $TMP ]; then
  rm -rf $TMP # make sure it's not a symlink or something stupid
  mkdir $TMP
  chmod 700 $TMP # no need to leave it open
fi

# $ROOT defined?
if [ -d "$ROOT" ]; then
  export ROOT
fi

# --help or no args?
if [ "$1" = "" -o "$1" = "--help" -o "$1" = "-?" ]; then
  usage;
  exit 1;
fi

# Arg processing loop. These must come before any packages are listed.
while [ 0 ]; do
  if [ "$1" = "--no-paranoia" ]; then
    # Enable --no-paranoia mode. This is so not-recommended that we're
    # not even going to document it. :) If a file used to be directly
    # managed and now is moved into place, using --no-paranoia will cause
    # it to improperly disappear. It does slightly speed things up, though.
    # Don't use it.
    NOT_PARANOID="true"
    shift 1
  elif [ "$1" = "--install-new" ]; then
    # Install packages that do not already have an installed version.
    # The usual default is to skip them.
    INSTALL_NEW="yes"
    shift 1
  ```
elif [ "$1" = "--reinstall" ]; then
    # Reinstall packages even if the installed one is the same version.
    REINSTALL="true"
    shift 1
elif [ "$1" = "--verbose" -o "$1" = "-v" ]; then
    # We're adding a --verbose mode that doesn't filter removepkg as much
    VERBOSE="verbose"
    shift 1
else # no more args
    break;
fi
done # processing args

ERRCODE=0

# Main processing loop:
while [ ! "$1" = "" ]; do

    # Figure out the names of the old and new packages:
    OLD=`echo $1 | cut -f 1 -d '%'`
    NEW=`echo $1 | cut -f 2 -d '%'`
    INCOMINGDIR=`dirname $NEW`
    OLD=`basename $OLD .tgz`
    NEW=`basename $NEW .tgz`

    # Here's a function to figure out the package name from one of those
    # new long filenames. We'll need this to double check the name of the
    # old package.

    package_name() {
        STRING=`basename $1 .tgz`
        # Check for old style package name with one segment:
        if [ ""`echo $STRING | cut -f 1 -d -""`"" = ""`echo $STRING | cut -f 2 -d -""`"" ]; then
            echo $STRING
        else # has more than one dash delimited segment
            # Count number of segments:
            INDEX=1
            while [ ! ""`echo $STRING | cut -f $INDEX -d -""`"" = "" ]; do
                INDEX=`expr $INDEX + 1`
            done
            INDEX=`expr $INDEX - 1` # don't include the null value
            # If we don't have four segments, return the old-style (or out of spec) package name:
            if [ ""$INDEX"" = ""2"" -o "$INDEX" = ""3"" ]; then
                echo $STRING
            else # we have four or more segments, so we'll consider this a new-style name:
                NAME=`expr $INDEX - 3`
                NAME=`"echo $STRING | cut -f 1-$NAME -d -""
                echo $NAME
        fi
    }

```
# cruft for later ;)

# Check and fix the old package name:
if [ ! -r $ROOT/var/log/packages/$OLD ]; then
  SHORT="package_name $OLD"
  if ls $ROOT/var/log/packages/$SHORT* 1> /dev/null 2> /dev/null ; then
    for installed_package in $ROOT/var/log/packages/$SHORT* ; do
      if [ "package_name $installed_package" = "$SHORT" ]; then
        OLD="basename $installed_package"
        break
      done
    fi
  done
fi
fi
fi

# Test to see if both the old and new packages are where we expect them
# to be -- skip to the next package (or package pair) if anything's wrong:
if [ ! -r $ROOT/var/log/packages/$OLD ]; then
  if [ ! "$INSTALL_NEW" = "yes" ]; then
    echo
    echo "Error: there is no installed package named $OLD."
    echo " (looking for $ROOT/var/log/packages/$OLD)"
    echo
    ERRCODE=1
  else # --install-new was given, so install the new package:
    EOF
    installpkg $INCOMINGDIR/$NEW.tgz
    EOF
  fi
fi
shift 1
continue;
eelif [ ! -r "$INCOMINGDIR/$NEW.tgz" ]; then
  echo
  echo "Error: incoming package $INCOMINGDIR/$NEW.tgz not found."
echo
shift 1
ERRCODE=1
continue;
fi

# Unless --reinstall was given, compare the package names
# and skip any exact matches:
if [ ! "$REINSTALL" = "true" ]; then
  if [ "SOLD" = "$NEW" ]; then
    cat << EOF
+==============================================================================
| Skipping package $NEW (already installed)
+==============================================================================
EOF
    shift 1
    continue;
  fi
  fi
fi

# Showtime. Let's do the upgrade. First, we will rename all the
# installed packages with this basename to make them easy to remove later:

TIMESTAMP=`date +%Y-%m-%d,%T`
SHORT="package_name $SOLD"
for installed_package in "$ROOT/var/log/packages/$SHORT*" ; do
  if [ "package_name $installed_package" = "$SHORT" ]; then
    mv $installed_package ${installed_package}-upgraded-$TIMESTAMP
  fi
done
for installed_script in "$ROOT/var/log/scripts/$SHORT*" ; do
  if [ "package_name $installed_script" = "$SHORT" ]; then
    if [ -r $installed_script ]; then
      mv $installed_script ${installed_script}-upgraded-$TIMESTAMP
    fi
  fi
done

# Print a banner for the current upgrade:
cat << EOF
+==============================================================================
| Upgrading SOLD package using $INCOMINGDIR/$NEW.tgz
+==============================================================================
EOF
Next, the new package is pre-installed:

```bash
if [ "$VERBOSE" = "verbose" ]; then
  installpkg $INCOMINGDIR/$NEW.tgz
else
  echo "Pre-installing package $NEW..."
  installpkg $INCOMINGDIR/$NEW.tgz 1> /dev/null
fi
```

Now, the leftovers from the old package(s) can go. Pretty simple, huh? :

```bash
if [-d "$ROOT" ]; then
  ( cd $ROOT/var/log/packages
    for rempkg in *-$TIMESTAMP ; do
      if [ "$VERBOSE" = "verbose" ]; then
        ROOT=$ROOT removepkg $rempkg
      else
        ROOT=$ROOT removepkg $rempkg | grep -v "Skipping\." | grep -v "Removing files:"
      fi
done )
else
  ( cd /var/log/packages
    for rempkg in *-$TIMESTAMP ; do
      if [ "$VERBOSE" = "verbose" ]; then
        removepkg $rempkg
      else
        removepkg $rempkg | grep -v "Skipping\." | grep -v "Removing files:"
      fi
done
  )
else
  echo
  ( cd $ROOT/var/log/packages
    for rempkg in *-$TIMESTAMP ; do
      if [ "$VERBOSE" = "verbose" ]; then
        ROOT=$ROOT removepkg $rempkg
      else
        ROOT=$ROOT removepkg $rempkg | grep -v "Skipping\." | grep -v "Removing files:"
      fi
done
  )
fi
fi
```

Again! Again!

Seriously, the reinstalling of a package can be crucial if any files shift location, so we should always reinstall as the final step:

```bash
if [ ! "$NOT_PARANOID" = "true" ]; then
  installpkg $INCOMINGDIR/$NEW.tgz
fi
```

```
echo "Package SOLD upgraded with new package $INCOMINGDIR/$NEW.tgz."
ERRCODE=0
```

```
# Process next parameter:
shift 1
```

done
#!/bin/sh

TAR=tar-1.13
$TAR --help 1> /dev/null 2> /dev/null
if [ ! $? = 0 ]; then
    TAR=tar
fi

if [ ! "$LC_MESSAGES=C $TAR --version" = "tar (GNU tar) 1.13" ]; then
    echo "WARNING: pkgtools are unstable with tar > 1.13."
    echo "You should provide a \"tar-1.13\" in your $PATH."
    sleep 5
fi

if [ $# = 0 ]; then
cat << EOF
Usage: explodepkg package_name [package_name2, ...]
Explodes a Slackware compatible software package (or any tar+gzip archive) in
the current directory. Equivalent to (for each package listed):

    ( umask 000 ; tar xzvf package_name )

Note: This should only be used for debugging or examining packages, not for
installing them. It doesn't execute installation scripts or update the package
indexes in /var/log/packages|scripts.

EOF
fi

for PKG in $* ; do
    echo "Exploding package $PKG in current directory:"
    ( umask 000 ; $TAR xzvf $PKG 2> /dev/null )
    if [ -r install/doinst.sh ] ; then
        echo
        echo "An installation script was detected in /install/doinst.sh, but"
        echo "was not executed."
        fi
    done
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# ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
#
#!/bin/sh

# WARNING: pkgtools are unstable with tar > 1.13.
# You should provide a \"tar-1.13\" in your $PATH.

sleep 5
fi

make_install_script() {
  COUNT=1
  LINE="$sed -n "$COUNT" p $1"
  while [ ! "$LINE" = "" ]; do
    LINKGOESIN=""$echo "$LINE" | cut -f 1 -d " ";
    LINKGOESIN=""dirname $LINKGOESIN"
    LINKNAMEIS=""$echo "$LINE" | cut -f 1 -d ' ";
    LINKNAMEIS=""basename $LINKNAMEIS"
    # Do something with LINKGOESIN and LINKNAMEIS
  done
}
`open_source_used_in_asa_rm_9_15_1_3844`

```
LINKPOINTSTO="\"echo "$LINE" | cut -f 3 -d ' ''\"

echo \"( cd $LINKGOESIN ; rm -rf $LINKNAMEIS )\"

COUNT='\"expr $COUNT + 1\"

LINE='\"sed -n \"$COUNT\" p\" $1\"

done
```

```
usage() {
    cat << EOF
    Usage: makepkg package_name.tgz
    Makes a Slackware compatible ".tgz" package containing the contents of the
    current and all subdirectories. If symbolic links exist, they will be removed
    and an installation script will be made to recreate them later. This script
    will be called "install/doinst.sh". You may add any of your own ash-compatible
    shell scripts to this file and rebuild the package if you wish.
    
    options:      -l, --linkadd y|n (moves symlinks into doinst.sh: recommended)
    -c, --chown y|n (resets all permissions to root:root 755
    - not generally recommended)
    
    If these options are not set, makepkg will prompt as appropriate.
    EOF
    }
```

```
TMP=/tmp # This can be a hole, but I'm going to be careful about file
# creation in there, so don't panic. :^)
```

```
# Parse options
while [ 0 ]; do
    if [ "$1" = "--linkadd" ] || [ "$1" = "-l" ]; then
        if [ "$2" = "y" ]; then
            LINKADD=y
        elif [ "$2" = "n" ]; then
            LINKADD=n
        else
            usage
            exit 2
        fi
        shift 2
    elif [ "$1" = "--chown" ] || [ "$1" = "-c" ]; then
        if [ "$2" = "y" ]; then
            CHOWN=y
        elif [ "$2" = "n" ]; then
            CHOWN=n
        else
            usage
            exit 2
        fi
        shift 2
    fi
```

```
```
usage
exit 2
fi
shift 2
elif [ "$1" = "-h" -o "$1" = "-H" -o "$1" = "--help" -o $# = 0 ]; then
  usage
  exit 0
else
  break
fi
done

echo
echo "Slackware package maker, version 2.0."
PACKAGE_NAME=$1
TARGET_NAME="dirname $PACKAGE_NAME"
PACKAGE_NAME="basename $PACKAGE_NAME"
TAR_NAME="basename $PACKAGE_NAME .tgz"

# Get rid of possible pre-existing trouble:
INST='mktemp $TMP/makepkg.XXXXXX'
find . -type l -exec ls -l {} \ ; | while read foo ; do echo $foo ; done | cut -f 9- -d ' ' | cut -b3- | tee $INST
if ! "cat $INST" = "" ]; then
  echo
  echo "Making symbolic link creation script:"
  make_install_script $INST | tee doinst.sh
fi

if ! "cat $INST" = "" ]; then
  if -r install/doinst.sh ]; then
    echo "Unless your existing installation script already contains the code"
    echo "to create these links, you should append these lines to your existing"
    echo "install script. Now's your chance. :^)"
    echo
    echo "Would you like to add this stuff to the existing install script and"
    echo -n "remove the symbolic links ([y]es, [n]o) ? "
    else
      echo "It is recommended that you make these lines your new installation script."
      echo
      echo "Would you like to make this stuff the install script for this package"
      echo -n "and remove the symbolic links ([y]es, [n]o) ? "
    fi
  if ! "$LINKADD" ]; then
    read LINKADD;
    echo
  else
    echo $LINKADD
  fi
if [ "SLINKADD" = "y" ]; then
    if [ -r install/doinst.sh ]; then
        UPDATE="t"
        cat doinst.sh >> install/doinst.sh
    else
        mkdir install
        cat doinst.sh > install/doinst.sh
    fi
fi

echo "Removing symbolic links:"
find . -type l -exec rm -v {} \;

if [ "$UPDATE" = "t" ]; then
    echo "Updating your ./install/doinst.sh..."
else
    echo "Creating your new ./install/doinst.sh..."
fi

else
    echo "No symbolic links were found, so we won't make an installation script."
    echo "You can make your own later in ./install/doinst.sh and rebuild the"
    echo "package if you like."

    rm -f doinst.sh $INST
fi

rm -f doinst.sh $INST

if [ ! "$CHOWN" ]; then
    read CHOWN;
    echo
else
    echo $CHOWN
    echo
fi

if [ "$CHOWN" = "y" ]; then
    find . -type d -exec chmod -v 755 {} \
    find . -type d -exec chown -v root.root {} \
    fi

    echo "Creating tar file $TAR_NAME.tar..."
    echo
    $TAR cvf $TAR_NAME.tar .

# Warn of zero-length files:
find . -type f -size 0c | while read file ; do
  echo "WARNING: zero length file $file"
done
find . -type f -name '*.gz' -size 20c | while read file ; do
  echo "WARNING: possible empty gzipped file $file"
done
echo
echo "Gzipping $TAR_NAME.tar..."
gzip -9 $TAR_NAME.tar
echo
echo "Renaming $TAR_NAME.tar.gz to $PACKAGE_NAME..."
mv $TAR_NAME.tar.gz $PACKAGE_NAME
if [ ! "$TARGET_NAME" = "." ]; then
echo
echo "Moving $PACKAGE_NAME to $TARGET_NAME..."
mv $PACKAGE_NAME $TARGET_NAME
fi
echo
echo "Package creation complete."
echo

1.261 libiw 30.pre9

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Mark Lord (mlord@pobox.com)

1.267 tomcat-connectors 1.2.46

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THE BASIC LIBRARY FUNCTIONS
-----------------------------

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

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Written by: Zoltan Herczeg
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Written by: Zoltan Herczeg
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From native/common/ap_snprintf.c:

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PGM
CRTCMOD MODULE(MOD_JK/MOD_JK) +
SRCSTMF('/home/apache/jk/native/apache-2.0/mod_jk.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
    '_XOPEN_SOURCE=520' + 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('mod_jk.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANGLVL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_AJP_COM) +
SRCSTMF('/home/apache/jk/native/common/jk_ajp_common.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
    '_XOPEN_SOURCE=520' + 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_ajp_common.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANGLVL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

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CRTCMMC MODU LE(MOD_JK/JK_AJP12_W) +
SRCSTMF('/home/apache/jk/native/common/jk_ajp12_worker.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
        '_XOPEN_SOURCE=520' 'USE_A PACHE_MD5' '_REENTRANT') +
TEXT('jk_ajp12_worker.c') +
OPTIMIZE(40) +
LOCALETYP E(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANGBLVL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMMC MODU LE(MOD_JK/JK_AJP13) +
SRCSTMF('/home/apache/jk/native/common/jk_ajp13.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
        '_XOPEN_SOURCE=520' 'USE_A PACHE_MD5' '_REENTRANT') +
TEXT('jk_ajp13.c') +
OPTIMIZE(40) +
LOCALETYP E(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANGBLVL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMMC MODU LE(MOD_JK/JK_AJP13_W) +
SRCSTMF('/home/apache/jk/native/common/jk_ajp13_worker.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
        '_XOPEN_SOURCE=520' 'USE_A PACHE_MD5' '_REENTRANT') +
TEXT('jk_ajp13_worker.c') +
OPTIMIZE(40) +
LOCALETYP E(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANGBLVL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMMC MODU LE(MOD_JK/JK_AJP14) +
SRCSTMF('/home/apache/jk/native/common/jk_ajp14.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
        '_XOPEN_SOURCE=520' 'USE_A PACHE_MD5' '_REENTRANT') +
TEXT('jk_ajp14.c') +
OPTIMIZE(40) +
LOCALETYP E(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANGLVL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMD MODULE(MOD_JK/JK_AJP14_W) +
SRCSTMF('/home/apache/jk/native/common/jk_ajp14_worker.c') +
DEFINE('AS400' 'AS400.UTF8' 'HAVE_APR' +
   '_XOPEN_SOURCE=520' 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_ajp14_worker.c') +
OPTIMIZE(40) +
LOCALETYPES(*LOCALUTF) +
SYSIFOPT(*IFSIO) +
LANGLEVEL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMD MODULE(MOD_JK/JK_CONNECT) +
SRCSTMF('/home/apache/jk/native/common/jk_connect.c') +
DEFINE('AS400' 'AS400.UTF8' 'HAVE_APR' +
   '_XOPEN_SOURCE=520' 'USE_APACHE_MD5' '_REENTRANT' +
   'USE_SO_RCVTIMEO' + 'USE_SO_SNDTIMEO') +
TEXT('jk_connect.c') +
OPTIMIZE(40) +
LOCALETYPES(*LOCALUTF) +
SYSIFOPT(*IFSIO) +
LANGLEVEL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMD MODULE(MOD_JK/JK_CONTEXT) +
SRCSTMF('/home/apache/jk/native/common/jk_context.c') +
DEFINE('AS400' 'AS400.UTF8' 'HAVE_APR' +
   '_XOPEN_SOURCE=520' 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_context.c') +
OPTIMIZE(40) +
LOCALETYPES(*LOCALUTF) +
SYSIFOPT(*IFSIO) +
LANGLEVEL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMD MODULE(MOD_JK/JK_LB_WORK) +
SRCSTMF('/home/apache/jk/native/common/jk_lb_worker.c') +
DEFINE('AS400' 'AS400.UTF8' 'HAVE_APR' +
'_XOPEN_SOURCE=520 'USE_APACHE_MD5 '_REENTRANT') +
TEXT('jk_lb_worker.c') +
OPTIMIZE(40) +
LOCALETYPEx(*LOCALEUTF) +
SYSIFCOPTx(*IFSIO) +
LANGLEVEL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_MAP) +
SRCSTMF('/home/apache/jk/native/common/jk_map.c') +
DEFINE('AS400 'AS400_UTF8 'HAVE_APR' +
'_'XOPEN_SOURCE=520 'USE_APACHE_MD5 '_REENTRANT') +
TEXT('jk_map.c') +
OPTIMIZE(40) +
LOCALETYPEx(*LOCALEUTF) +
SYSIFCOPTx(*IFSIO) +
LANGLEVEL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_MD5) +
SRCSTMF('/home/apache/jk/native/common/jk_md5.c') +
DEFINE('AS400 'AS400_UTF8 'HAVE_APR' +
'_'XOPEN_SOURCE=520 'USE_APACHE_MD5 '_REENTRANT') +
TEXT('jk_md5.c') +
OPTIMIZE(40) +
LOCALETYPEx(*LOCALEUTF) +
SYSIFCOPTx(*IFSIO) +
LANGLEVEL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_MSG_BUF) +
SRCSTMF('/home/apache/jk/native/common/jk_msg_buff.c') +
DEFINE('AS400 'AS400_UTF8 'HAVE_APR' +
'_'XOPEN_SOURCE=520 'USE_APACHE_MD5 '_REENTRANT') +
TEXT('jk_msg_buff.c') +
OPTIMIZE(40) +
LOCALETYPEx(*LOCALEUTF) +
SYSIFCOPTx(*IFSIO) +
LANGLEVEL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')
CRTCMOD MODULE(MOD_JK/JK_POOL) +
SRCSTMF('/home/apache/jk/native/common/jk_pool.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
   '_XOPEN_SOURCE=520' 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_pool.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANGLVL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_SOCKBUF) +
SRCSTMF('/home/apache/jk/native/common/jk_sockbuf.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
   '_XOPEN_SOURCE=520' 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_sockbuf.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANGLVL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_URI_W_M) +
SRCSTMF('/home/apache/jk/native/common/jk_uri_worker_map.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
   '_XOPEN_SOURCE=520' 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_uri_worker_map.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANGLVL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_URL) +
SRCSTMF('/home/apache/jk/native/common/jk_url.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
   '_XOPEN_SOURCE=520' 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_url.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANGLVL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/*apache/jk/native/common'/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_UTIL) +
SRCSTMF('/home/apache/jk/native/common/jk_util.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
    '_XOPEN_SOURCE=520' 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_util.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANGLVL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/*apache/jk/native/common'/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_WORKER) +
SRCSTMF('/home/apache/jk/native/common/jk_worker.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
    '_XOPEN_SOURCE=520' 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_worker.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANGLVL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/*apache/jk/native/common'/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_STATUS) +
SRCSTMF('/home/apache/jk/native/common/jk_status.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
    '_XOPEN_SOURCE=520' 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_status.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANGLVL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/*apache/jk/native/common'/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_SHM) +
SRCSTMF('/home/apache/jk/native/common/jk_shm.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
    '_XOPEN_SOURCE=520' 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_shm.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANG_LVL(*EXTENDED) +
TERASPACE(*YES) +
TGTRL.(*CURRENT) +
INCDIR('/home/apache/jk/native/common '/QIBM/ProdData/HTTPA/Include')

CRTSRVPGM SRVPGM(MOD_JK/MOD_JK) +
MODULE(MOD_JK/MOD_JK +
  MOD_JK/JK_AJP_COM MOD_JK/JK_AJP12_W +
  MOD_JK/JK_AJP13 MOD_JK/JK_AJP13_W +
  MOD_JK/JK_AJP14 MOD_JK/JK_AJP14_W +
  MOD_JK/JK_CONNECT MOD_JK/JK_CONTEXT +
  MOD_JK/JK_LB_WORK +
  MOD_JK/JK_MAP MOD_JK/JK_MD5 +
  MOD_JK/JK_MSG_BUF MOD_JK/JK_POOL +
  MOD_JK/JK_SOCKBUF MOD_JK/JK_URI_W_M +
  MOD_JK/JK_URL +
  MOD_JK/JK_UTIL MOD_JK/JK_WORKER +
  MOD_JK/JK_STATUS MOD_JK/JK_SHM) +
EXPORT(*SRCFILE) +
BNDDIR() +
TGTRLS(*CURRENT) +
SRCFILE(MOD_JK/QSRVSRC) +
SRCMBR(MOD_JK) +
USRPRF(*USER) +
BNDSRVPGM(QHTTPSVR/QZSRAPR QHTTPSVR/QZSRCORE +
  QHTTPSVR/QZSRXMLP QHTTPSVR/QZSRDBM) +
TEXT('Apache Tomcat mod_jk connector module')

ENDPGM

PGM

CRTCMTMOD MODULE(MOD_JK/MOD_JK) +
SRCSTMF('/home/apache/jk/native/apache-2.0/mod_jk.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
  'USE_APACHE_MD5' '_REENTRANT') +
TEXT('mod_jk.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCAL) +
SYSIFCOPT(*IFSIO) +
LANG_LVL(*EXTENDED) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common '/QIBM/ProdData/HTTPA/Include')

CRTCMTMOD MODULE(MOD_JK/JK_AJP_COM) +
SRCSTMF('/home/apache/jk/native/common/jk_ajp_common.c') +
DEFINE('AS400' 'HAVE APR' '_XOPEN SOURCE=520' +
   'USE APACHE_MD5' '_REENTRANT') +
TEXT('jk_ajp_common.c') +
OPTIMIZE(40) +
LOCALETYPEn*LLOCALE) +
SYSIFCOPT(*IFSIO) +
LANGVL(*EXTENDED) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common '/QIBM/ProdData/HTTP/include')

CRTCMOD MODULE(MOD_JK/JK_AJP12_W) +
SRCSTMF('/home/apache/jk/native/common/jk_ajp12_worker.c') +
DEFINE('AS400' 'HAVE APR' '_XOPEN SOURCE=520' +
   'USE APACHE_MD5' '_REENTRANT') +
TEXT('jk_ajp12_worker.c') +
OPTIMIZE(40) +
LOCALETYPEn*LLOCALE) +
SYSIFCOPT(*IFSIO) +
LANGVL(*EXTENDED) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common '/QIBM/ProdData/HTTP/include')

CRTCMOD MODULE(MOD_JK/JK_AJP13) +
SRCSTMF('/home/apache/jk/native/common/jk_ajp13.c') +
DEFINE('AS400' 'HAVE APR' '_XOPEN SOURCE=520' +
   'USE APACHE_MD5' '_REENTRANT') +
TEXT('jk_ajp13.c') +
OPTIMIZE(40) +
LOCALETYPEn*LLOCALE) +
SYSIFCOPT(*IFSIO) +
LANGVL(*EXTENDED) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common '/QIBM/ProdData/HTTP/include')

CRTCMOD MODULE(MOD_JK/JK_AJP13_W) +
SRCSTMF('/home/apache/jk/native/common/jk_ajp13_worker.c') +
DEFINE('AS400' 'HAVE APR' '_XOPEN SOURCE=520' +
   'USE APACHE_MD5' '_REENTRANT') +
TEXT('jk_ajp13_worker.c') +
OPTIMIZE(40) +
LOCALETYPEn*LLOCALE) +
SYSIFCOPT(*IFSIO) +
LANGVL(*EXTENDED) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common '/QIBM/ProdData/HTTP/include')

CRTCMOD MODULE(MOD_JK/JK_AJP14) +
SRCSTMF('/home/apache/jk/native/common/jk_ajp14.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
    'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_aip14.c') +
OPTIMIZE(40) +
LOCALETYPED(*LOCALE) +
SYSIFCOPT(*IFSIO) +
LANGLEVEL(*EXTENDED) +
TGTRL(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_AJP14_W) +
SRCSTMF('/home/apache/jk/native/common/jk_aip14_worker.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
    'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_aip14_worker.c') +
OPTIMIZE(40) +
LOCALETYPED(*LOCALE) +
SYSIFCOPT(*IFSIO) +
LANGLEVEL(*EXTENDED) +
TGTRL(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_CONNECT) +
SRCSTMF('/home/apache/jk/native/common/jk_connect.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
    'USE_APACHE_MD5' '_REENTRANT' 'USE_SO_RCVTIMEO' +
    'USE_SO_SNDTIMEO') +
TEXT('jk_connect.c') +
OPTIMIZE(40) +
LOCALETYPED(*LOCALE) +
SYSIFCOPT(*IFSIO) +
LANGLEVEL(*EXTENDED) +
TGTRL(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_CONTEXT) +
SRCSTMF('/home/apache/jk/native/common/jk_context.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
    'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_context.c') +
OPTIMIZE(40) +
LOCALETYPED(*LOCALE) +
SYSIFCOPT(*IFSIO) +
LANGLEVEL(*EXTENDED) +
TGTRL(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_LB_WORK) +
SRCSTMF('/home/apache/jk/native/common/jk_lb_worker.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
   'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_lb_worker.c') +
OPTIMIZE(40) +
LOCALETYPERLOCALE +
SYSIFCOPT(*IFSIO) +
LANGLVL(*EXTENDED) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMMOD MODULE(MOD_JK/JK_MAP) +
SRCSTMF('/home/apache/jk/native/common/jk_map.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
   'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_map.c') +
OPTIMIZE(40) +
LOCALETYPERLOCALE +
SYSIFCOPT(*IFSIO) +
LANGLVL(*EXTENDED) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMMOD MODULE(MOD_JK/JK_MD5) +
SRCSTMF('/home/apache/jk/native/common/jk_md5.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
   'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_md5.c') +
OPTIMIZE(40) +
LOCALETYPERLOCALE +
SYSIFCOPT(*IFSIO) +
LANGLVL(*EXTENDED) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMMOD MODULE(MOD_JK/JK_MSG_BUF) +
SRCSTMF('/home/apache/jk/native/common/jk_msg_buff.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
   'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_msg_buff.c') +
OPTIMIZE(40) +
LOCALETYPERLOCALE +
SYSIFCOPT(*IFSIO) +
LANGLVL(*EXTENDED) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMMOD MODULE(MOD_JK/JK_POOL) +
SRCSTMF('/home/apache/jk/native/common/jk_pool.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
   'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_pool.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALE) +
SYSIFCOPT(*IFSIO) +
LANG_LVL(*EXTENDED) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_SOCKBUF) +
SRCSTMF('/home/apache/jk/native/common/jk_sockbuf.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
   'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_sockbuf.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALE) +
SYSIFCOPT(*IFSIO) +
LANG_LVL(*EXTENDED) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_URI_W_M) +
SRCSTMF('/home/apache/jk/native/common/jk_uri_worker_map.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
   'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_uri_worker_map.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALE) +
SYSIFCOPT(*IFSIO) +
LANG_LVL(*EXTENDED) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_URL) +
SRCSTMF('/home/apache/jk/native/common/jk_url.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
   'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_url.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALE) +
SYSIFCOPT(*IFSIO) +
LANG_LVL(*EXTENDED) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_UTIL) +
SRCSTMF('/home/apache/jk/native/common/jk_util.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
   'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_util.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALE) +
SYSIFCOPT(*IFSIO) +
LANGLVL(*EXTENDED) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_WORKER) +
SRCSTMF('/home/apache/jk/native/common/jk_worker.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
   'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_worker.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALE) +
SYSIFCOPT(*IFSIO) +
LANGLVL(*EXTENDED) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_STATUS) +
SRCSTMF('/home/apache/jk/native/common/jk_status.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
   'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_status.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALE) +
SYSIFCOPT(*IFSIO) +
LANGLVL(*EXTENDED) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_SHM) +
SRCSTMF('/home/apache/jk/native/common/jk_shm.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
   'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_shm.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALE) +
SYSIFCOPT(*IFSIO) +
LANGLVL(*EXTENDED) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTSRVPGM SRVPGM(MOD_JK/MOD_JK) +
MODULE(MOD_JK/MOD_JK +
    MOD_JK/JK_AJP_COM MOD_JK/JK_AJP12_W +
    MOD_JK/JK_AJP13 MOD_JK/JK_AJP13_W +
    MOD_JK/JK_AJP14 MOD_JK/JK_AJP14_W +
    MOD_JK/JK_CONNECT MOD_JK/JK_CONTEXT +
    MOD_JK/JK_LB_WORK +
    MOD_JK/JK_MAP MOD_JK/JK_MD5 +
    MOD_JK/JK_MSG_BUF MOD_JK/JK_POOL +
    MOD_JK/JK_SOCKBUF MOD_JK/JK_URI_W_M +
    MOD_JK/JK_URL +
    MOD_JK/JK_UTIL MOD_JK/JK_WORKER +
    MOD_JK/JK_STATUS MOD_JK/JK_SHM) +
EXPORT(*SRCFILE) +
BNDDIR() +
TGTRLS(*CURRENT) +
SRCFILE(MOD_JK/QSRVSRC) +
SRCMBR(MOD_JK) +
USRPRF(*USER) +
BNDSRVPGM(QHTTPSVR/QZSRAPR QHTTPSVR/QZSRSCORE +
    QHTTPSVR/QZSRXMLP QHTTPSVR/QZSRSDBM) +
TEXT('Apache Tomcat mod_jk connector module')

ENDPGM

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!IFDEF APACHE20_HOME
APR_LIB=libapr.lib
APU_LIB=libaprutil.lib
OUTDIR=.\Release20
INTDIR=.\Release20
APACHE2_HOME=$(APACHE20_HOME)
!ELSE
!IFDEF APACHE24_HOME
APACHE2_HOME=$(APACHE24_HOME)
OUTDIR=.\Release24
!ENDIF
INTDIR=\Release24
?ELSE
?IFDEF APACHE22_HOME
APACHE2_HOME=$(APACHE22_HOME)
OUTDIR=\Release22
INTDIR=\Release22
?ENDIF
?ENDIF
APR_LIB=libapr-1.lib
APU_LIB=libaprutil-1.lib
?ENDIF
?IFDEF APACHE2_HOME
?ERROR Missing APACHE2_HOME environment variable.
?ENDIF

TARGET=mod_jk$(SO_VERSION)$SO_HTTPD_VERSION
CPP=cl.exe
MTL=midl.exe
RSC=rc.exe
ARCH=X86

ALL : "$OUTDIR\$(TARGET).so"

CLEAN :
-@erase "$INTDIR\jk.res"
-@erase "$INTDIR\jk_ajp12_worker.obj"
-@erase "$INTDIR\jk_ajp13.obj"
-@erase "$INTDIR\jk_ajp13_worker.obj"
-@erase "$INTDIR\jk_ajp14.obj"
-@erase "$INTDIR\jk_ajp_common.obj"
-@erase "$INTDIR\jk_connect.obj"
-@erase "$INTDIR\jk_context.obj"
-@erase "$INTDIR\jk_lb_worker.obj"
-@erase "$INTDIR\jk_map.obj"
-@erase "$INTDIR\jk_md5.obj"
-@erase "$INTDIR\jk_msg_buff.obj"
-@erase "$INTDIR\jk_pool.obj"
-@erase "$INTDIR\jk_shm.obj"
-@erase "$INTDIR\jk_sockbuf.obj"
-@erase "$INTDIR\jk_status.obj"
-@erase "$INTDIR\jk_uri_worker_map.obj"
-@erase "$INTDIR\jk_url.obj"
-@erase "$INTDIR\jk_util.obj"
-@erase "$INTDIR\jk_worker.obj"
-@erase "$INTDIR\mod_jk.obj"
-@erase "$INTDIR\mod_jk_src.idb"
-@erase "$(INTDIR)\mod_jk_src.pdb"
-@erase "$(OUTDIR)\mod_jk.exp"
-@erase "$(OUTDIR)\mod_jk.lib"
-@erase "$(OUTDIR)\$(TARGET).pdb"
-@erase "$(OUTDIR)\$(TARGET).so"

"$(OUTDIR)" :
  if not exist "$(OUTDIR)\$(NULL)" mkdir "$(OUTDIR)"

BSC32=bscmake.exe
BSC32_FLAGS=nologo /o"$(OUTDIR)\$(TARGET).bsc"
BSC32_SBRS=\

LINK32=link.exe
LINK32_FLAGS=libhttpd.lib $(APR_LIB) $(APU_LIB) kernel32.lib user32.lib advapi32.lib mswsock.lib
ws2_32.lib $(EXTRA_LIBS) /nologo /base:"0x6A6B0000" /subsystem:windows /dll /incremental:no
/pdb:"$(OUTDIR)\$(TARGET).pdb" /debug /machine:$ARCH /out:"$(OUTDIR)\$(TARGET).so"
/implib:"$(OUTDIR)\mod_jk.lib" /libpath:"$(APACHE2_HOME)\lib" /opt:ref
LINK32_OBJS=\
  "$(INTDIR)\jk_aej12_worker.obj"
  "$(INTDIR)\jk_aej13.obj"
  "$(INTDIR)\jk_aej13_worker.obj"
  "$(INTDIR)\jk_aej14.obj"
  "$(INTDIR)\jk_aej14_worker.obj"
  "$(INTDIR)\jk_aej_common.obj"
  "$(INTDIR)\jk_connect.obj"
  "$(INTDIR)\jk_context.obj"
  "$(INTDIR)\jk_db_worker.obj"
  "$(INTDIR)\jk_map.obj"
  "$(INTDIR)\jk_md5.obj"
  "$(INTDIR)\jk_msg_buff.obj"
  "$(INTDIR)\jk_pool.obj"
  "$(INTDIR)\jk_shm.obj"
  "$(INTDIR)\jk_sockbuf.obj"
  "$(INTDIR)\jk_status.obj"
  "$(INTDIR)\jk_uri_worker_map.obj"
  "$(INTDIR)\jk_url.obj"
  "$(INTDIR)\jk_util.obj"
  "$(INTDIR)\jk_worker.obj"
  "$(INTDIR)\jk.res"
  "$(INTDIR)\mod_jk.obj"

"$(OUTDIR)\$(TARGET).so" : "$(OUTDIR)" $(DEF_FILE) $(LINK32_OBJS)
  $(LINK32) @<<
  $(LINK32_FLAGS) $(LINK32_OBJS)
<<
@if exist $(OUTDIR)\$(TARGET).manifest \
  mt -nologo -manifest $(OUTDIR)\$(TARGET).manifest -outputresource:$(OUTDIR)\$(TARGET).so;2
SOURCE=..\common\jk_map.c

"$(INTDIR)\jk_map.obj" : $(SOURCE) "$(INTDIR)"
$(CPP) $(CPP_PROJ) $(SOURCE)

SOURCE=..\common\jk_md5.c

"$(INTDIR)\jk_md5.obj" : $(SOURCE) "$(INTDIR)"
$(CPP) $(CPP_PROJ) $(SOURCE)

SOURCE=..\common\jk_msg_buff.c

"$(INTDIR)\jk_msg_buff.obj" : $(SOURCE) "$(INTDIR)"
$(CPP) $(CPP_PROJ) $(SOURCE)

SOURCE=..\common\jk_pool.c

"$(INTDIR)\jk_pool.obj" : $(SOURCE) "$(INTDIR)"
$(CPP) $(CPP_PROJ) $(SOURCE)

SOURCE=..\common\jk_shm.c

"$(INTDIR)\jk_shm.obj" : $(SOURCE) "$(INTDIR)"
$(CPP) $(CPP_PROJ) $(SOURCE)

SOURCE=..\common\jk_sockbuf.c

"$(INTDIR)\jk_sockbuf.obj" : $(SOURCE) "$(INTDIR)"
$(CPP) $(CPP_PROJ) $(SOURCE)

SOURCE=..\common\jk_status.c

"$(INTDIR)\jk_status.obj" : $(SOURCE) "$(INTDIR)"
$(CPP) $(CPP_PROJ) $(SOURCE)

SOURCE=..\common\jk_uri_worker_map.c

"$(INTDIR)\jk_uri_worker_map.obj" : $(SOURCE) "$(INTDIR)"
$(CPP) $(CPP_PROJ) $(SOURCE)
SOURCE=..\common\jk_url.c

"$(INTDIR)\jk_url.obj" : $(SOURCE) "$(INTDIR)"
$(CPP) $(CPP_PROJ) $(SOURCE)

SOURCE=..\common\jk_util.c

"$(INTDIR)\jk_util.obj" : $(SOURCE) "$(INTDIR)"
$(CPP) $(CPP_PROJ) $(SOURCE)

SOURCE=..\common\jk_worker.c

"$(INTDIR)\jk_worker.obj" : $(SOURCE) "$(INTDIR)"
$(CPP) $(CPP_PROJ) $(SOURCE)

SOURCE=\mod_jk.c

"$(INTDIR)\mod_jk.obj" : $(SOURCE) "$(INTDIR)"
$(CPP) $(CPP_PROJ) $(SOURCE)

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End

1.268 apache-log4j 1.2.16

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That's all there is to it!
Here is a list of the main contributors to lm-sensors version 3.

* Frodo Looijaard
  Original author of libsensors, sensors-detect, sensors and isadump.
* Merlin Hughes
  Original author of sensord.
* Bob Schlaermann
  Dynamic chip feature detection (a.k.a. generic chip support) in libsensors and sensors.
* Mark M. Hoffman
  Many improvements to the libsensors configuration file scanner.
* Jean Delvare
New libsensors API, and migration of sensors and sensord thereto.
Many optimizations in libsensors and sensors.
Configuration file converter.
Rewrite of sensors-detect.
Support for multiple configuration files in libsensors.

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