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## 1.5 avahi 0.6.31

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## 1.6 barebox 2011.06



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Version 3, 29 June 2007

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## 1.8 binutils 2.21.1

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

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Version 2, June 1991

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<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.

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

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## 1.9 blkid 2.21.2

## 1.9.1 Available under license :

```
ELF(4(O-MhbP@P`04P
p0P0
P
P
P
P100
0 B%0PR
HEte?@h$0
ZZ
$100
(J1@pP00.0S)
0Y@000D0H0L
0Pt000
0P
pP
WT @bsdfreebsdnetbsdopenbsdWARNING: BSD label detected on unknown (0x%x) primary partition
WARNING: ignore %d more BSD partitions
WARNING: BSD partition (%d) overflow detected, ignore
WEVGCC: (Linaro GCC 4.5-2012.02) 4.5.4 20120201 (prerelease)A.aeabi$7-A
A ..symtab.strtab.shstrtab.rel.text.data.bss.rel.data.rel.ro.local.rodata.str1.1.comment.note.GNU-
stack.ARM.attributes4
%+4T0 P(G2,V0;_'op'/V
(h
x$).3\8
=\s3IZbsd.c$aprobe_bsd_pt$d.LC1.LC3.LC4.LC0.LC2.LC5.LC6blkid_partitions_need_typeonlyblkid_probe_get_s
ectorblkid_probe_get_partlistblkid_partlist_get_parentblkid_partition_get_typeprintfblkid_partlist_new_parttableblk
id_is_nested_dimensionblkid_partlist_add_partitionblkid_partition_set_type_GLOBAL_OFFSET_TABLE_blkid_d
ebug_maskbsd_pt_idinfo8TdpX$@Px|

$4
# bsd.lo - a libtool object file
# Generated by libtool (GNU libtool) 2.4
#
# Please DO NOT delete this file!
# It is necessary for linking the library.

# Name of the PIC object.
pic_object='.libs/bsd.o'

# Name of the non-PIC object
non_pic_object='bsd.o'
bsd.lo: bsd.c ../../../../config.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/stdio.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/features.h \
```







/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/getopt.h \  
../../../../libblkid/src/blkid.h ../../../../include/list.h blkid\_parttypes.h

../../../../config.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/stdio.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/features.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/cdefs.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/wordsize.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/gnu/stubs.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/include/stddef.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/types.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/typesizes.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/libio.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/\_G\_config.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/wchar.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/include/stdarg.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/stdio\_lim.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/sys\_errlist.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/string.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/xlocale.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/stdlib.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/waitflags.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/waitstatus.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/endian.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/endian.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/byteswap.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/types.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/time.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/select.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/select.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/sigset.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/time.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/sysmacros.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/pthreadtypes.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/alloca.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/include/stdint.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/stdint.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/wchar.h:

partitions.h:

../../../../libblkid/src/blkidP.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/dirent.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/dirent.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/posix1\_lim.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/local\_lim.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/linux/limits.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/stat.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/stat.h:

../../../../include/c.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/include-fixed/limits.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/include-fixed/syslimits.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/limits.h:



/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/posix2\_lim.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/xopen\_lim.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/errno.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/errno.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/linux/errno.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm/errno.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm-generic/errno.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm-generic/errno-base.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/err.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/fcntl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/fcntl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/uio.h:

../../../../include/bitops.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/param.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/linux/param.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm/param.h:

../../../../include/blkdev.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/ioctl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/ioctls.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm/ioctls.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm-generic/ioctls.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/linux/ioctl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm/ioctl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm-generic/ioctl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/ioctl-types.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/ttydefaults.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/unistd.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/posix\_opt.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/environments.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/confname.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/getopt.h:

../../../../libblkid/src/blkid.h:

../../../../include/list.h:

blkid\_parttypes.h:

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## 1.10 block-mount 0.2.0

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Version 2, June 1991

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Julian Seward, Cambridge, UK.  
jseward@bzip.org  
bzip2/libbzip2 version 1.0.4 of 20 December 2006

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```
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## 1.16 conntrack-tools 0.9.12

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## 1.17 cryptsetup 1.4.1

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## 1.18 curl 7.19.6

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This code is derived from section 17.1 of Applied Cryptography, second edition, which describes a stream cipher allegedly compatible with RSA Labs "RC4" cipher (the actual description of which is a trade secret). The same algorithm is used as a stream cipher called "arcfour" in Tatu Ylonen's ssh package.

Here the stream cipher has been modified always to include the time

when initializing the state. That makes it impossible to regenerate the same random sequence twice, so this can't be used for encryption, but will generate good random numbers.

RC4 is a registered trademark of RSA Laboratories.

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This code implements the MD5 message-digest algorithm. The algorithm is due to Ron Rivest. This code was written by Colin Plumb in 1993, no copyright is claimed. This code is in the public domain; do with it what you wish.

Equivalent code is available from RSA Data Security, Inc. This code has been tested against that, and is equivalent, except that you don't need to include two pages of legalese with every copy.

To compute the message digest of a chunk of bytes, declare an MD5Context structure, pass it to MD5Init, call MD5Update as needed on buffers full of bytes, and then call MD5Final, which will fill a supplied 16-byte array with the digest.

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## 1.20 ddns-scripts 1.0.0

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# 1.22 dnsmasq-dhcpv6 2.7.2

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```
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```

```
<signature of Ty Coon>, 1 April 1989
```

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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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Version 2, June 1991

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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## 1.25 ebttables 2.0.10

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```
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@c ispell-local-pdict: "ispell-dict"
@c End:
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991
```

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```

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```
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```

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```
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```

```
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```
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```

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

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

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```

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@appendixsec GNU LESSER GENERAL PUBLIC LICENSE

@cindex LGPL, Lesser General Public License  
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@appendixsubsec Preamble

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```
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@appendixsubsec TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
@end iftex
@ifinfo
@center GNU LESSER GENERAL PUBLIC LICENSE
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@end ifinfo
```

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@enumerate 0
```

```
@item
```

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@end iftex
@ifinfo
@center NO WARRANTY
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@end enumerate
```

```
@iftex
@heading END OF TERMS AND CONDITIONS
@end iftex
@ifinfo
@center END OF TERMS AND CONDITIONS
@end ifinfo
```

```
@page
@appendixsubsec How to Apply These Terms to Your New Libraries
```

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```
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```

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```
@end smallexample
```

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```
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```

```
@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
@end smallexample
```

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# 1.32 glib2 2.41.1

## 1.32.1 Available under license :

```
# dummy
PCRE LICENCE
```

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# 1.33 gre 1

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## 1.44 json-c 0.11

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:cdc760c58077f44fc40adbbe41e1556a67c1b9

a9

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/\*

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```
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```

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```

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## 1.52 kmod-fakephp 3.2.54

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## 1.54 kmod-fuse 3.2.54



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Version 2.1, February 1999

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## 1.55 kmod-gre 3.2.54 :1

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```

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```
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## 1.59 kmod-iptunnel4 3.2.54

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## 1.61 kmod-l2tp 3.2.54

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```
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Ty Coon, President of Vice
```

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```
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```

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```

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```
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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
```



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Version 2, June 1991

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```
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```

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```
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```

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## 1.69 kmod-pci\_hotplug 3.2.54

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```

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

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```

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```
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```
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```

```
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Ty Coon, President of Vice
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```

```
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## 1.76 kmod-sched 3.2.54

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```
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## 1.80 kmod-usb 3.2.54

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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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## 1.81 krb5-client 1.8

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cmd/krb5/ipropl/ipropl_hdr.h
cmd/krb5/kadmin/server/ipropld_svc.c
cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
lib/libgss/g_acquire_cred.c
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lib/libgss/g_inquire_context.c
lib/libgss/g_inquire_cred.c
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lib/libgss/g_rel_oid_set.c
lib/libgss/g_seal.c
lib/libgss/g_sign.c
lib/libgss/g_store_cred.c
lib/libgss/g_unseal.c
lib/libgss/g_userok.c
```

lib/libgss/g\_utils.c  
lib/libgss/g\_verify.c  
lib/libgss/gssd\_pname\_to\_uid.c  
uts/common/gssapi/include/gssapi\_err\_generic.h  
uts/common/gssapi/include/mechglueP.h

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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in src/lib/gssapi, including the following files:

lib/gssapi/generic/gssapi\_err\_generic.et  
lib/gssapi/mechglue/g\_accept\_sec\_context.c  
lib/gssapi/mechglue/g\_acquire\_cred.c  
lib/gssapi/mechglue/g\_canon\_name.c  
lib/gssapi/mechglue/g\_compare\_name.c  
lib/gssapi/mechglue/g\_context\_time.c  
lib/gssapi/mechglue/g\_delete\_sec\_context.c  
lib/gssapi/mechglue/g\_dsp\_name.c  
lib/gssapi/mechglue/g\_dsp\_status.c  
lib/gssapi/mechglue/g\_dup\_name.c  
lib/gssapi/mechglue/g\_exp\_sec\_context.c  
lib/gssapi/mechglue/g\_export\_name.c  
lib/gssapi/mechglue/g\_glue.c  
lib/gssapi/mechglue/g\_imp\_name.c  
lib/gssapi/mechglue/g\_imp\_sec\_context.c  
lib/gssapi/mechglue/g\_init\_sec\_context.c  
lib/gssapi/mechglue/g\_initialize.c  
lib/gssapi/mechglue/g\_inquire\_context.c  
lib/gssapi/mechglue/g\_inquire\_cred.c  
lib/gssapi/mechglue/g\_inquire\_names.c  
lib/gssapi/mechglue/g\_process\_context.c  
lib/gssapi/mechglue/g\_rel\_buffer.c  
lib/gssapi/mechglue/g\_rel\_cred.c

lib/gssapi/mechglue/g\_rel\_name.c  
lib/gssapi/mechglue/g\_rel\_oid\_set.c  
lib/gssapi/mechglue/g\_seal.c  
lib/gssapi/mechglue/g\_sign.c  
lib/gssapi/mechglue/g\_store\_cred.c  
lib/gssapi/mechglue/g\_unseal.c  
lib/gssapi/mechglue/g\_userok.c  
lib/gssapi/mechglue/g\_utils.c  
lib/gssapi/mechglue/g\_verify.c  
lib/gssapi/mechglue/gssd\_pname\_to\_uid.c  
lib/gssapi/mechglue/mglueP.h  
lib/gssapi/mechglue/oid\_ops.c  
lib/gssapi/spnego/gssapiP\_spnego.h  
lib/gssapi/spnego/spnego\_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

include/ipropr\_hdr.h  
kadmin/server/ipropr\_svc.c  
lib/kdb/ipropr.x  
lib/kdb/kdb\_convert.c  
lib/kdb/kdb\_log.c  
lib/kdb/kdb\_log.h  
lib/krb5/error\_tables/kdb5\_err.et  
slave/kpropd\_rpc.c  
slave/kproplog.c

and marked portions of the following files:

lib/krb5/os/hst\_realm.c

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## 1.82 krb5-libs 1.8

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lib/libgss/g\_verify.c  
lib/libgss/gssd\_pname\_to\_uid.c  
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in src/lib/gssapi, including the following files:

lib/gssapi/generic/gssapi\_err\_generic.et  
lib/gssapi/mechglue/g\_accept\_sec\_context.c  
lib/gssapi/mechglue/g\_acquire\_cred.c  
lib/gssapi/mechglue/g\_canon\_name.c  
lib/gssapi/mechglue/g\_compare\_name.c  
lib/gssapi/mechglue/g\_context\_time.c  
lib/gssapi/mechglue/g\_delete\_sec\_context.c  
lib/gssapi/mechglue/g\_dsp\_name.c  
lib/gssapi/mechglue/g\_dsp\_status.c  
lib/gssapi/mechglue/g\_dup\_name.c  
lib/gssapi/mechglue/g\_exp\_sec\_context.c  
lib/gssapi/mechglue/g\_export\_name.c  
lib/gssapi/mechglue/g\_glue.c  
lib/gssapi/mechglue/g\_imp\_name.c  
lib/gssapi/mechglue/g\_imp\_sec\_context.c  
lib/gssapi/mechglue/g\_init\_sec\_context.c  
lib/gssapi/mechglue/g\_initialize.c  
lib/gssapi/mechglue/g\_inquire\_context.c  
lib/gssapi/mechglue/g\_inquire\_cred.c  
lib/gssapi/mechglue/g\_inquire\_names.c  
lib/gssapi/mechglue/g\_process\_context.c  
lib/gssapi/mechglue/g\_rel\_buffer.c  
lib/gssapi/mechglue/g\_rel\_cred.c  
lib/gssapi/mechglue/g\_rel\_name.c  
lib/gssapi/mechglue/g\_rel\_oid\_set.c  
lib/gssapi/mechglue/g\_seal.c  
lib/gssapi/mechglue/g\_sign.c  
lib/gssapi/mechglue/g\_store\_cred.c  
lib/gssapi/mechglue/g\_unseal.c



lib/gssapi/mechglue/g\_userok.c  
lib/gssapi/mechglue/g\_utils.c  
lib/gssapi/mechglue/g\_verify.c  
lib/gssapi/mechglue/gssd\_pname\_to\_uid.c  
lib/gssapi/mechglue/mglueP.h  
lib/gssapi/mechglue/oid\_ops.c  
lib/gssapi/spnego/gssapiP\_spnego.h  
lib/gssapi/spnego/spnego\_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

include/iprof\_hdr.h  
kadmin/server/iprofd\_svc.c  
lib/kdb/iprof.x  
lib/kdb/kdb\_convert.c  
lib/kdb/kdb\_log.c  
lib/kdb/kdb\_log.h  
lib/krb5/error\_tables/kdb5\_err.et  
slave/kpropd\_rpc.c  
slave/kproplog.c

and marked portions of the following files:

lib/krb5/os/hst\_realm.c

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## 1.83 krb5-server 1.8

### 1.83.1 Available under license :

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cmd/krb5/ipropl/ipropl.x
cmd/krb5/ipropl/ipropl_hdr.h
cmd/krb5/kadmin/server/ipropl_svc.c
cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
```

lib/gss\_mechs/mech\_spnego/mech/gssapiP\_spnego.h  
lib/gss\_mechs/mech\_spnego/mech/spnego\_mech.c  
lib/krb5/kadm5/kadm\_host\_srv\_names.c  
lib/krb5/kdb/kdb\_convert.c  
lib/krb5/kdb/kdb\_hdr.h  
lib/krb5/kdb/kdb\_log.c  
lib/krb5/kdb/kdb\_log.h  
lib/libgss/g\_accept\_sec\_context.c  
lib/libgss/g\_acquire\_cred.c  
lib/libgss/g\_canon\_name.c  
lib/libgss/g\_compare\_name.c  
lib/libgss/g\_context\_time.c  
lib/libgss/g\_delete\_sec\_context.c  
lib/libgss/g\_dsp\_name.c  
lib/libgss/g\_dsp\_status.c  
lib/libgss/g\_dup\_name.c  
lib/libgss/g\_exp\_sec\_context.c  
lib/libgss/g\_export\_name.c  
lib/libgss/g\_glue.c  
lib/libgss/g\_imp\_name.c  
lib/libgss/g\_imp\_sec\_context.c  
lib/libgss/g\_init\_sec\_context.c  
lib/libgss/g\_initialize.c  
lib/libgss/g\_inquire\_context.c  
lib/libgss/g\_inquire\_cred.c  
lib/libgss/g\_inquire\_names.c  
lib/libgss/g\_process\_context.c  
lib/libgss/g\_rel\_buffer.c  
lib/libgss/g\_rel\_cred.c  
lib/libgss/g\_rel\_name.c  
lib/libgss/g\_rel\_oid\_set.c  
lib/libgss/g\_seal.c  
lib/libgss/g\_sign.c  
lib/libgss/g\_store\_cred.c  
lib/libgss/g\_unseal.c  
lib/libgss/g\_userok.c  
lib/libgss/g\_utils.c  
lib/libgss/g\_verify.c  
lib/libgss/gssd\_pname\_to\_uid.c  
uts/common/gssapi/include/gssapi\_err\_generic.h  
uts/common/gssapi/include/mechglueP.h

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```
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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in src/lib/gssapi, including the following files:

- lib/gssapi/generic/gssapi\_err\_generic.et
- lib/gssapi/mechglue/g\_accept\_sec\_context.c
- lib/gssapi/mechglue/g\_acquire\_cred.c
- lib/gssapi/mechglue/g\_canon\_name.c
- lib/gssapi/mechglue/g\_compare\_name.c
- lib/gssapi/mechglue/g\_context\_time.c
- lib/gssapi/mechglue/g\_delete\_sec\_context.c
- lib/gssapi/mechglue/g\_dsp\_name.c
- lib/gssapi/mechglue/g\_dsp\_status.c
- lib/gssapi/mechglue/g\_dup\_name.c
- lib/gssapi/mechglue/g\_exp\_sec\_context.c
- lib/gssapi/mechglue/g\_export\_name.c
- lib/gssapi/mechglue/g\_glue.c
- lib/gssapi/mechglue/g\_imp\_name.c
- lib/gssapi/mechglue/g\_imp\_sec\_context.c
- lib/gssapi/mechglue/g\_init\_sec\_context.c
- lib/gssapi/mechglue/g\_initialize.c
- lib/gssapi/mechglue/g\_inquire\_context.c
- lib/gssapi/mechglue/g\_inquire\_cred.c
- lib/gssapi/mechglue/g\_inquire\_names.c
- lib/gssapi/mechglue/g\_process\_context.c
- lib/gssapi/mechglue/g\_rel\_buffer.c
- lib/gssapi/mechglue/g\_rel\_cred.c
- lib/gssapi/mechglue/g\_rel\_name.c
- lib/gssapi/mechglue/g\_rel\_oid\_set.c
- lib/gssapi/mechglue/g\_seal.c
- lib/gssapi/mechglue/g\_sign.c
- lib/gssapi/mechglue/g\_store\_cred.c
- lib/gssapi/mechglue/g\_unseal.c
- lib/gssapi/mechglue/g\_userok.c
- lib/gssapi/mechglue/g\_utils.c
- lib/gssapi/mechglue/g\_verify.c
- lib/gssapi/mechglue/gssd\_pname\_to\_uid.c
- lib/gssapi/mechglue/mglueP.h
- lib/gssapi/mechglue/oid\_ops.c

lib/gssapi/spnego/gssapiP\_spnego.h  
lib/gssapi/spnego/spnego\_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

include/ipropr\_hdr.h  
kadmin/server/iproprd\_svc.c  
lib/kdb/ipropr.x  
lib/kdb/kdb\_convert.c  
lib/kdb/kdb\_log.c  
lib/kdb/kdb\_log.h  
lib/krb5/error\_tables/kdb5\_err.et  
slave/kpropd\_rpc.c  
slave/kproplog.c

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lib/krb5/os/hst\_realm.c

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```

```
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 */
```

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To compute the message digest of a chunk of bytes, declare an MD5Context structure, pass it to MD5Init, call MD5Update as needed on buffers full of bytes, and then call MD5Final, which will fill a supplied 16-byte array with the digest.

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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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## 1.90 libcli 1.9.4

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```
<one line to give the library's name and a brief idea of what it does.>  
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<signature of Ty Coon>, 1 April 1990  
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That's all there is to it!

## 1.91 libcurl 7.19.6

### 1.91.1 Available under license :

License Mixing with apps, libcurl and Third Party Libraries

=====

libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

I am not a lawyer and this is not legal advice!

One common dilemma is that GPL[1]-licensed code is not allowed to be linked with code licensed under the Original BSD license (with the announcement clause). You may still build your own copies that use them all, but distributing them as binaries would be to violate the GPL license - unless you accompany your license with an exception[2]. This particular problem was addressed when the Modified BSD license was created, which does not have the announcement clause that collides with GPL.

libcurl <http://curl.haxx.se/docs/copyright.html>

Uses an MIT (or Modified BSD)-style license that is as liberal as possible. Some of the source files that deal with KRB4 have Original BSD-style announce-clause licenses. You may not distribute binaries with krb4-enabled libcurl that also link with GPL-licensed code!

OpenSSL <http://www.openssl.org/source/license.html>

(May be used for SSL/TLS support) Uses an Original BSD-style license with an announcement clause that makes it "incompatible" with GPL. You are not allowed to ship binaries that link with OpenSSL that includes GPL code (unless that specific GPL code includes an exception for OpenSSL - a habit that is growing more and more common). If OpenSSL's licensing is a problem for you, consider using GnuTLS or yassl instead.

GnuTLS <http://www.gnutls.org/>

(May be used for SSL/TLS support) Uses the LGPL[3] license. If this is a problem for you, consider using OpenSSL instead. Also note that GnuTLS itself depends on and uses other libs (libcrypt and libpgp-error) and they too are LGPL- or GPL-licensed.

yassl <http://www.yassl.com/>

(May be used for SSL/TLS support) Uses the GPL[1] license. If this is a problem for you, consider using OpenSSL or GnuTLS instead.

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c-ares <http://daniel.haxx.se/projects/c-ares/license.html>

(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

zlib [http://www.gzip.org/zlib/zlib\\_license.html](http://www.gzip.org/zlib/zlib_license.html)

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.

krb4

While nothing in particular says that a Kerberos4 library must use any particular license, the one I've tried and used successfully so far (kth-krb4) is partly Original BSD-licensed with the announcement clause. Some of the code in libcurl that is written to deal with Kerberos4 is Modified BSD-licensed.

MIT Kerberos <http://web.mit.edu/kerberos/www/dist/>

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fbopenssl

(Used for SPNEGO support) Unclear license. Based on its name, I assume that it uses the OpenSSL license and thus shares the same issues as described for OpenSSL above.

libidn <http://josefsson.org/libidn/>

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## 1.92 libdaemon 0.14

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Version 2.1, February 1999

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If such an object file uses only numerical parameters, data

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## 1.93 libdevmapper 2.02.96

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```

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```

```
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Ty Coon, President of Vice
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Index: tdbsa/tdb.c

=====  
--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

\*/

/\*

- Unix SMB/CIFS implementation.  
+ trivial database library - standalone version

- trivial database library - private includes

-

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#

# This is a Makefile stub which handles the creation of BSD shared  
# libraries.

#

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

#

# BSDLIB\_VERSION = 1.0  
# BSDLIB\_IMAGE = libce  
# BSDLIB\_MYDIR = et  
# BSDLIB\_INSTALL\_DIR = \$(SHLIBDIR)

#

all:: image

real-subdirs:: Makefile

@echo " MKDIR pic"

@mkdir -p pic

BSD\_LIB = \$(BSDLIB\_IMAGE).so.\$(BSDLIB\_VERSION)

BSDLIB\_PIC\_FLAG = -fpic

image: \$(BSD\_LIB)

```

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(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)

```

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Gadi Oxman, August 1995

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```

```
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Theodore Ts'o  
23-June-2007

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## 1.98 libffi 3.0.13

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```
#!/bin/sh
```

```
# Script to translate LDFLAGS into a form suitable for use with libtool.
```

```
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```



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FIXME: Given that FINE\_GRAINED\_LIBRARIES is defined we ought to consider compiling this file multiple times with one function per iteration being compiled. \*/

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@center Version 2.1, February 1999
```

```
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[This is the first released version of the Lesser GPL. It also counts



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

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@var{signature of Ty Coon}, 1 April 1990

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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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# 1.103 libgmp 4.3.1

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## 1.104 libgnutls 2.8.6

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## 1.105 libgpg-error 1.9

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c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, 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 executable. 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.

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Appendix: How to Apply These Terms to Your New Programs

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possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

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

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

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

```
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MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the  
GNU General Public License for more details.
```

```
You should have received a copy of the GNU General Public License  
along with this program; if not, write to the Free Software  
Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
```

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

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

```
Gnomovision version 69, Copyright (C) 19yy name of author  
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

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

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

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program  
'Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
```

Ty Coon, President of Vice

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# 1.109 libjson 0.11-2

## 1.109.1 Available under license :

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# 1.110 libldap 186

## 1.110.1 Available under license :

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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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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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(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

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

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

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

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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 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.

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This code is derived from section 17.1 of Applied Cryptography, second edition, which describes a stream cipher allegedly compatible with RSA Labs "RC4" cipher (the actual description of which is a trade secret). The same algorithm is used as a stream cipher called "arcfour" in Tatu Ylonen's ssh package.

Here the stream cipher has been modified always to include the time when initializing the state. That makes it impossible to regenerate the same random sequence twice, so this can't be used for encryption, but will generate good random numbers.

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This code implements the MD5 message-digest algorithm. The algorithm is due to Ron Rivest. This code was written by Colin Plumb in 1993, no copyright is claimed. This code is in the public domain; do with it what you wish.

Equivalent code is available from RSA Data Security, Inc. This code has been tested against that, and is equivalent, except that you don't need to include two pages of legalese with every copy.

To compute the message digest of a chunk of bytes, declare an MD5Context structure, pass it to MD5Init, call MD5Update as needed on buffers full of bytes, and then call MD5Final, which will fill a supplied 16-byte array with the digest.

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## 1.117 libopenldap 2.4.23

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  - \* 5 March 1997
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      - \* Changes by Tomas Mraz <tmraz@redhat.com> 5 January 2005, 26 January 2006
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*
* Authors:
* Steve Grubb <sgrubb@redhat.com>
*
* PAM module that sets the login uid introduced in kernel 2.6.11
*/

```

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```
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\*/  
/\* mkhomedir\_helper - helper for pam\_mkhomedir module

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Originally written by Jason Gunthorpe <jgg@debian.org> Feb 1999  
Structure taken from pam\_lastlogin by Andrew Morgan  
<morgan@parc.power.net> 1996  
\*/

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## 1.120 libpcap-1.1.1 libpcap-1.1.1

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*
* Modifications:   Added PACKET_MMAP support
*                  Paolo Abeni <paolo.abeni@email.it>
*
*                  based on previous works of:
*                  Simon Patarin <patarin@cs.unibo.it>

```

\* Phil Wood <cpw@lanl.gov>  
\*  
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\*

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\* from: NetBSD: if\_arc.h,v 1.13 1999/11/19 20:41:19 thorpej Exp  
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*
* @(#) $Header: /tcpdump/master/libpcap/atmuni31.h,v 1.3 2007-10-22 19:28:58 guy Exp $ (LBL)
*/
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*
* @(#) $Header: /tcpdump/master/libpcap/nlpid.h,v 1.2 2002-12-06 00:01:34 hannes Exp $ (Juniper)
*/
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*
* Basic USB data struct
* By Paolo Abeni <paolo.abeni@email.it>
*
* @(#) $Header: /tcpdump/master/libpcap/pcap/usb.h,v 1.9 2008-12-23 20:13:29 guy Exp $
*/

```

## 1.121 libpcap 8.35 :r0.0

## 1.121.1 Available under license :

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-----

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-----

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

University of Cambridge Computing Service,  
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## 1.122 libpopt 1.7

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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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/\* Determine whether the host has multiple processors. SH version.

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## 1.124 libqmi 1.8.0

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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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## 1.129 libtree 1.0.0 :1

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\* PacketBB handler library (see RFC 5444)

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\* Original OLSRd implementation by Hannes Gredler <hannes@gredler.at>

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\* usock - socket helper functions

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## 1.131 libubus 2014-09-17

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## 1.134 libusb 1.0.9

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

<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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ELF(4(O-MhbP@P`04P

p0P0

P

P

P

P100

0 B%0PR

HEte?@h\$0

ZZ

\$100

(J1@pP00.0S)

0Y@000D0H0L

0Pt000



0P

pP

WT @bsdfreebsdnetbsdopenbsdWARNING: BSD label detected on unknown (0x%x) primary partition

WARNING: ignore %d more BSD partitions

WARNING: BSD partition (%d) overflow detected, ignore

WEVGCC: (Linaro GCC 4.5-2012.02) 4.5.4 20120201 (prerelease)A.aeabi\$7-A

A .,symtab.strtab.shstrtab.rel.text.data.bss.rel.data.rel.ro.local.rodata.str1.1.comment.note.GNU-stack.ARM.attributes4

%+4T0 P(G2,V0;\_'op'/V

( h

x\$).3\8

=\s3IZbsd.c\$aprobe\_bsd\_pt\$d.LC1.LC3.LC4.LC0.LC2.LC5.LC6blkid\_partitions\_need\_typeonlyblkid\_probe\_get\_selectorblkid\_probe\_get\_partlistblkid\_partlist\_get\_parentblkid\_partition\_get\_typeprintfblkid\_partlist\_new\_parttableblkid\_is\_nested\_dimensionblkid\_partlist\_add\_partitionblkid\_partition\_set\_type\_GLOBAL\_OFFSET\_TABLE\_blkid\_debug\_maskbsd\_pt\_idinfo8TdpX\$@Px|

\$4

# bsd.lo - a libtool object file

# Generated by libtool (GNU libtool) 2.4

#

# Please DO NOT delete this file!

# It is necessary for linking the library.

# Name of the PIC object.

pic\_object='.libs/bsd.o'

# Name of the non-PIC object

non\_pic\_object='bsd.o'

bsd.lo: bsd.c ../../config.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/stdio.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/features.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/cdefs.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/wordsize.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/gnu/stubs.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/include/stddef.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/types.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/typesizes.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/libio.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-





```
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/param.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/linux/param.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm/param.h \
../../../../include/blkdev.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/ioctl.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/ioctls.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm/ioctls.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm-generic/ioctls.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/linux/ioctl.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm/ioctl.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm-generic/ioctl.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/ioctl-types.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/ttydefaults.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/unistd.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/posix_opt.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/environments.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/confname.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/getopt.h \
../../../../libblkid/src/blkid.h ../../../../include/list.h blkid_parttypes.h
```

```
../../../../config.h:
```

```
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/stdio.h:
```

```
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/features.h:
```

```
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/cdefs.h:
```

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/wordsize.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/gnu/stubs.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/include/stddef.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/types.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/typesizes.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/libio.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/\_G\_config.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/wchar.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/include/stdarg.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/stdio\_lim.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/sys\_errlist.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/string.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/xlocale.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/stdlib.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/waitflags.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/waitstatus.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/ndian.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/ndian.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/byteswap.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/types.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/time.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/select.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/select.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/sigset.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/time.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/sysmacros.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/pthreadtypes.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/alloca.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/include/stdint.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/stdint.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/wchar.h:

partitions.h:

../../../../libblkid/src/blkidP.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/dirent.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/dirent.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/posix1\_lim.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/local\_lim.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/linux/limits.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/stat.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/stat.h:

../../../../include/c.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/include-fixed/limits.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/include-fixed/syslimits.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/limits.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/posix2\_lim.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/xopen\_lim.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/errno.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/errno.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/linux/errno.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm/errno.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm-generic/errno.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm-generic/errno-base.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/err.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/fcntl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/fcntl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/uiio.h:

../../../../include/bitops.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/param.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/linux/param.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm/param.h:

../../../../include/blkdev.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/ioctl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/ioctls.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm/ioctls.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm-generic/ioctls.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/linux/ioctl.h:



/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm/ioctl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm-generic/ioctl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/ioctl-types.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/ttydefaults.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/unistd.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/posix\_opt.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/environments.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/confname.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/getopt.h:

../../../../libblkid/src/blkid.h:

../../../../include/list.h:

blkid\_parttypes.h:

/\*

\* Fallback for old or obscure libcs without dynamically allocated cpusets

\*

\* The following macros are based on code from glibc.

\*

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Version 2.1, February 1999

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/\*

\* setpwnam.c -- edit an entry in a password database.

\*

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\* Edited 11/10/96 (DD/MM/YY ;- ) by Nicolai Langfeldt (janl@math.uio.no)

\* to read /etc/passwd directly so that passwd, chsh and chfn can work on

\* machines that run NIS (n" YP). Changes will not be made to usernames

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\*

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/\* tailf.c -- tail a log file and then follow it

\* Created: Tue Jan 9 15:49:21 1996 by faith@acm.org

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\*

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\*

\* less -F and tail -f cause a disk access every five seconds. This program avoids this problem by waiting for the file size to change. Hence, the file is not accessed, and the access time does not need to be flushed back to disk. This is sort of a "stealth" tail.

\*/

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Version 3, 29 June 2007

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# 1.136 libwebsockets 5/5/2016

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- test-server/\*.c
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Version 2.1, February 1999

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#
#
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# p0f.fp.

```

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## 1.143 lvm2 2.02.96

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## 1.145 mm-common 0.9.5

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

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

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If such an object file uses only numerical parameters, data

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

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials

specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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That's all there is to it!

# 1.146 msmtplib 1.4.22

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

@heading TERMS AND CONDITIONS

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To ``modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a ``modified version" of the earlier work or a work ``based on" the earlier work.

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

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To ``convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays ``Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

@item Source Code.

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

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

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

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

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

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The work must carry prominent notices stating that you modified it, and giving a relevant date.

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The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to ``keep intact all notices".

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You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

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

@item

Convey the object code in, or embodied in, a physical product

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

@item

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

@item

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

@item

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

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The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

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NDisc6 : IPv6 diagnostic tools

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## 1.151 ndppd 0.2.2

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```

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```

```
<signature of Ty Coon>, 1 April 1989
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```

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```

```
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Ty Coon, President of Vice
```

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## 1.154 nginx 1.4.7

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## 1.155 nginx upstream check 1.4.7

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Name

nginx\_http\_upstream\_check\_module - support health check with Nginx

Synopsis

```
http {

    upstream cluster {

        # simple round-robin
        server 192.168.0.1:80;
        server 192.168.0.2:80;

        check interval=3000 rise=2 fall=5 timeout=1000;

        #check interval=3000 rise=2 fall=5 timeout=1000 type=ssl_hello;

        #check interval=3000 rise=2 fall=5 timeout=1000 type=http;
        #check_http_send "GET / HTTP/1.0\r\n\r\n";
        #check_http_expect_alive http_2xx http_3xx;
    }
}
```

```

server {
    listen 80;

    location / {
        proxy_pass http://cluster;
    }

    location /status {
        check_status;

        access_log off;
        allow SOME.IP.ADD.RESS;
        deny all;
    }
}

```

#### Description

Add the support of health check with the upstream servers.

#### Directives

##### check

syntax: `*check interval=milliseconds [fall=count] [rise=count] [timeout=milliseconds] [default_down=true|false] [type=tcp|http|ssl_hello|mysql|ajp]*`

default: `*none`, if parameters omitted, default parameters are `interval=30000 fall=5 rise=2 timeout=1000 default_down=true type=tcp*`

context: `*upstream*`

description: Add the health check for the upstream servers.

The parameters' meanings are:

- \* `*interval*`: the check request's interval time.
- \* `*fall*(fall_count)`: After `fall_count` check failures, the server is marked down.
- \* `*rise*(rise_count)`: After `rise_count` check success, the server is marked up.
- \* `*timeout*`: the check request's timeout.
- \* `*default_down*`: set initial state of backend server, default is down.

\* **\*type\***: the check protocol type:

1. **\*tcp\*** is a simple tcp socket connect and peek one byte.
2. **\*ssl\_hello\*** sends a client ssl hello packet and receives the server ssl hello packet.
3. **\*http\*** sends a http request packet, receives and parses the http response to diagnose if the upstream server is alive.
4. **\*mysql\*** connects to the mysql server, receives the greeting response to diagnose if the upstream server is alive.
5. **\*ajp\*** sends a AJP Cping packet, receives and parses the AJP Cpong response to diagnose if the upstream server is alive.

check\_http\_send

syntax: **\*check\_http\_send http\_packet\***

default: **\*"GET / HTTP/1.0\r\n\r\n"\***

context: **\*upstream\***

description: If you set the check type is http, then the check function will send this http packet to check the upstream server.

check\_http\_expect\_alive

syntax: **\*check\_http\_expect\_alive [ http\_2xx | http\_3xx | http\_4xx | http\_5xx ]\***

default: **\*http\_2xx | http\_3xx\***

context: **\*upstream\***

description: These status codes indicate the upstream server's http response is ok, the backend is alive.

check\_shm\_size

syntax: **\*check\_shm\_size size\***

default: **\*1m\***

context: **\*http\***

description: Default size is one megabyte. If you check thousands of servers, the shared memory for health check may be not enough, you can enlarge it with this directive.



check\_status

syntax: \*check\_status\*

default: \*none\*

context: \*location\*

description: Display the health checking servers' status by HTTP. This directive should be set in the http block.

### Installation

Download the latest version of the release tarball of this module from github (<[http://github.com/yaoweibin/nginx\\_upstream\\_check\\_module](http://github.com/yaoweibin/nginx_upstream_check_module)>)

Grab the nginx source code from nginx.org (<<http://nginx.org/>>), for example, the version 1.0.14 (see nginx compatibility), and then build the source with this module:

```
$ wget 'http://nginx.org/download/nginx-1.0.14.tar.gz'
$ tar -xzf nginx-1.0.14.tar.gz
$ cd nginx-1.0.14/
$ patch -p1 < /path/to/nginx_http_upstream_check_module/check.patch

$ ./configure --add-module=/path/to/nginx_http_upstream_check_module

$ make
$ make install
```

### Note

If you use nginx-1.2.1 or nginx-1.3.0, the nginx upstream round robin module changed greatly. You should use the patch named 'check\_1.2.1.patch'.

If you use nginx-1.2.2+ or nginx-1.3.1+, It added the upstream least\_conn module. You should use the patch named 'check\_1.2.2+.patch'.

If you use nginx-1.2.6+ or nginx-1.3.9+, It adjusted the round robin module. You should use the patch named 'check\_1.2.6+.patch'.

The patch just adds the support for the official Round-Robin, Ip\_hash and least\_conn upstream module. But it's easy to expand my module to other upstream modules. See the patch for detail.

If you want to add the support for upstream fair module, you can do it like this:

```
$ git clone git://github.com/gnosek/nginx-upstream-fair.git
```

```
$ cd nginx-upstream-fair
$ patch -p2 < /path/to/nginx_http_upstream_check_module/upstream_fair.patch
$ cd /path/to/nginx-1.0.14
$ ./configure --add-module=/path/to/nginx_http_upstream_check_module --add-module=/path/to/nginx-
upstream-fair-module
$ make
$ make install
```

If you want to add the support for nginx sticky module, you can do it like this:

```
$ svn checkout http://nginx-sticky-module.googlecode.com/svn/trunk/ nginx-sticky-module
$ cd nginx-sticky-module
$ patch -p0 < /path/to/nginx_http_upstream_check_module/nginx-sticky-module.patch
$ cd /path/to/nginx-1.0.14
$ ./configure --add-module=/path/to/nginx_http_upstream_check_module --add-module=/path/to/nginx-sticky-
module
$ make
$ make install
```

Note that, the nginx-sticky-module also needs the original check.patch.

#### Compatibility

- \* The module version 0.1.5 should be compatibility with 0.7.67+
- \* The module version 0.1.8 should be compatibility with Nginx-1.0.14+

#### Notes

##### TODO

##### Known Issues

##### Changelogs

###### v0.1

- \* first release

#### Authors

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Matthieu Tourne

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## 1.156 nginx-naxsi-module 1.4.7

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```

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```
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```

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## 1.157 nginx-syslog-module 1.4.7

### 1.157.1 Available under license :

#DESCRIPTION

This is a syslog patch for Nginx-0.8.54+. With this patch, you can send your  
access or error log to specific syslog facility and priority.

Only access log support is available for nginx 1.5.6. Feel free to contribute an error\_log patch.

Original patch by yaoweibin access log support by SplitIce (for <http://www.x4b.net/>)

#### #COMPATIBLE

...

syslog\_1.2.0.patch could work with nginx-1.2.0 - nginx-1.2.6 and nginx-1.3.0 - nginx-1.3.9

syslog\_1.2.7.patch could work with nginx-1.2.7+.

syslog\_1.3.11.patch could work with nginx-1.3.9

syslog\_1.3.14.patch could work with nginx-1.3.14+

syslog\_1.4.0.patch could work with nginx-1.4.0+

syslog\_1.5.6.patch could work with nginx-1.5.0+

...

#### #INSTALLATION

#download the latest code

```
git clone https://github.com/splitice/nginx_syslog_patch
```

#download the source code of Nginx

```
wget http://nginx.org/download/nginx-0.8.54.tar.gz
```

```
tar zxvf nginx-0.8.54
```

```
cd nginx-0.8.54
```

#patch to your Nginx source file.

```
patch -p1 < /path/to/this/directory/syslog_0.8.54.patch
```

#add the module

```
./configure --add-module=/path/to/nginx_syslog_patch
```

#### #EXAMPLE

...

```
worker_processes 1;
```

```
syslog local6 nginx;
```

```
events {
```

```
    worker_connections 1024;
```

```
}
```

```
http {
```

```
    include mime.types;
```

```
    default_type application/octet-stream;
```

```
    log_format main '$remote_addr - $remote_user [$time_local] $request '
```

```
        '$status' $body_bytes_sent "$http_referer" '
```

```
        "$http_user_agent" "$http_x_forwarded_for";
```

```

server {
    listen    80;
    server_name localhost;

    #send the log to syslog and file.
    access_log syslog:notice|logs/host1.access.log main;

# pre 1.5.x
    error_log syslog:notice|logs/host1.error.log;

    location / {
        root html;
        index index.html index.htm;
    }
}

server {
    listen    80;
    server_name www.example.com;

    access_log syslog:warn|logs/host2.access.log main;
    error_log syslog:warn|logs/host2.error.log;

    location / {
        root html;
        index index.html index.htm;
    }
}

server {
    listen    80;
    server_name www.test.com;

    #send the log just to syslog.
    access_log syslog:error main;
    error_log syslog:error;

    location / {
        root html;
        index index.html index.htm;
    }
}
}
...

```

```
#DIRECTIVES
```

## ##SYSLOG

Syntax: syslog auth|authpriv|cron|daemon|ftp|kern|local0-7|lpr|mail|news|syslog|user|uucp [program\_name]

Default: none

Context: main

Enable the syslog and set its facility. The default program name is nginx.

## ## ERROR\_LOG (pre 1.5.x)

Syntax: error\_log [syslog[:emerg|alert|crit|error|warn|notice|info|debug]]['file'] [ debug | info | notice | warn | error | crit ]

Default: \${prefix}/logs/error.log

Context: main, http, server, location

Enable the error\_log with the syslog and set its priority. The default priority is error. The error log can be sent to syslog, file or both.

Note: if you set the error\_log directive in the main block, the syslog is switched on by default.

## ##ACCESS\_LOG

Syntax: access\_log off[[syslog[:emerg|alert|crit|error|warn|notice|info|debug]]['path'] [format [buffer=size]]]

Default: access\_log logs/access.log combined

Context: http, server, location

Enable the access\_log with the syslog and set its priority. The default priority is notice. The access log can be sent to syslog, file or both.

## #CONTACT

Reporting a bug

Questions/patches may be directed to Weibin Yao, yaoweibin@gmail.com.

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## 1.158 nginx-upload-module 1.4.7

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# 1.159 ntfs-3g 2010.5.22

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## 1.162 opkg 618

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opkg command line frontend using libopkg

\*/

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## 1.163 pam-krb5 4.7

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m4/lib-depends.m4 m4/lib-helper.m4 m4/lib-pathname.m4 m4/pam-const.m4  
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Files: pam-util/args.c pam-util/args.h pam-util/logging.c  
pam-util/logging.h pam-util/options.c pam-util/options.h  
tests/data/generate-krb5-conf tests/data/valgrind.supp  
tests/docs/pod-spelling-t tests/docs/pod-t tests/fakepam/config.c  
tests/fakepam/data.c tests/fakepam/general.c tests/fakepam/internal.h  
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tests/fakepam/script.c tests/fakepam/script.h tests/pam-util/args-t.c  
tests/pam-util/fakepam-t.c tests/pam-util/logging-t.c  
tests/pam-util/options-t.c tests/runtests.c tests/tap/basic.c  
tests/tap/basic.h tests/tap/kadmin.c tests/tap/kadmin.h  
tests/tap/kerberos.c tests/tap/kerberos.h tests/tap/libtap.sh  
tests/tap/macros.h tests/tap/process.c tests/tap/process.h  
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portable/dummy.c portable/issetugid.c portable/kadmin.h  
portable/krb5-extra.c portable/krb5.h portable/macros.h portable/mkstemp.c  
portable/pam.h portable/pam\_syslog.c portable/pam\_vsyslog.c  
portable/reallocarray.c portable/stdbool.h portable/strlcat.c  
portable/strncpy.c portable/strndup.c portable/system.h  
tests/pam-util/vector-t.c tests/portable/asprintf-t.c  
tests/portable/mkstemp-t.c tests/portable/strlcat-t.c  
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/\*

\* Standard structure for PAM data.

\*

\* The PAM utility functions often need an initial argument that encapsulates the PAM handle, some configuration information, and possibly a Kerberos context. This header provides a standard structure definition.

\*

\* The individual PAM modules should provide a definition of the pam\_config struct appropriate to that module. None of the PAM utility functions need to know what that configuration struct looks like.

\*

\* The canonical version of this file is maintained in the rra-c-util package, which can be found at <<http://www.eyrie.org/~eagle/software/rra-c-util/>>.

\*

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

```
This program is free software; you can redistribute it and/or modify  
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the Free Software Foundation; either version 1, or (at your option)  
any later version.
```

```
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MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the  
GNU General Public License for more details.
```

```
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```

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

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

```
Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

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

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

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

That's all there is to it!

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The End

```
#!/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 TestInit;
```

```
use strict;
```

```

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

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

my ($opt) = @ARGV;

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

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

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

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{

    open my $readme, '<', './README' or die "Opening README failed: $!";

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

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

    $year;
}

sub v_year

```

```
# returns the latest copyright year shown in perl -v
{

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

$year;
}
```

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Version 1, February 1989

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

```
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any later version.
```

```
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```

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```

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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
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```

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<signature of Ty Coon>, 1 April 1989  
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-----  
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Julian Seward, [jseward@bzip.org](mailto:jseward@bzip.org)  
bzip2/libbzip2 version 1.0.6 of 6 September 2010

```
-----  
---  
abstract: 'Build and install Perl modules'  
author:  
- 'Ken Williams <kwilliams@cpan.org>'  
- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>."  
build_requires:  
File::Temp: 0.15  
Test::Harness: 3.16  
Test::More: 0.49  
generated_by: 'Module::Build version 0.3608'  
license: gpl  
meta-spec:  
url: http://module-build.sourceforge.net/META-spec-v1.4.html  
version: 1.4  
name: Module-Build  
resources:  
MailingList: mailto:module-build@perl.org  
license: http://dev.perl.org/licenses/  
repository: http://github.com/dagolden/module-build/  
version: 3  
/* inline.h  
*  
* Copyright (C) 2012 by Larry Wall and others  
*  
* You may distribute under the terms of either the GNU General Public  
* License or the Artistic License, as specified in the README file.  
*  
* This file is a home for static inline functions that cannot go in other  
* headers files, because they depend on proto.h (included after most other  
* headers) or struct definitions.  
*  
* Each section names the header file that the functions "belong" to.  
*/
```

/\*

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\*

\* @(#)syslog.h 8.1 (Berkeley) 6/2/93

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# 1.166 perl-crypt-rijndael 1.13

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```
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*  
* Currently maintained by brian d foy, <bdfoy@cpan.org>  
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* License along with this library; if not, write to the Free  
* Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA  
*/  
  
/*  
* Rijndael is a 128/192/256-bit block cipher that accepts key sizes of
```

\* 128, 192, or 256 bits, designed by Joan Daemen and Vincent Rijmen. See

\* <http://www.esat.kuleuven.ac.be/~rijmen/rijndael/> for details.

\*/

# 1.167 perl-digest-hmac 1.03

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```

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## 1.168 perl-digest-sha1 2.13

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```
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```

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

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## 1.169 perl-net-snmpkey 5.2.0

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```

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## 1.172 ppp-mod-pppoe 2.4.5

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## 1.173 ppp-mod-pppol2tp 2.4.5

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## 1.176 pptpd 1.3.3

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```
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```
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```

```
<signature of Ty Coon>, 1 April 1989
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## 1.178 qos 1

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n/a

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```

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```
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ELF(4(O-MhbP@P`04P

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```

(J1@pP00.0S)
0Y@000D0H0L
  OPt000
  OP
pP
WT @bsdfreebsdnetbsdopenbsdWARNING: BSD label detected on unknown (0x%x) primary partition
WARNING: ignore %d more BSD partitions
WARNING: BSD partition (%d) overflow detected, ignore
WEVGCC: (Linaro GCC 4.5-2012.02) 4.5.4 20120201 (prerelease)A.aeabi$7-A
A ,.symtab.strtab.shstrtab.rel.text.data.bss.rel.data.rel.ro.local.rodata.str1.1.comment.note.GNU-
stack.ARM.attributes4
%+4T0 P(G2,V0;_'op'/V
( h
x$).3\8
=\s3IZbsd.c$aprobe_bsd_pt$d.LC1.LC3.LC4.LC0.LC2.LC5.LC6blkid_partitions_need_typeonlyblkid_probe_get_s
ectorblkid_probe_get_partlistblkid_partlist_get_parentblkid_partition_get_typeprintfblkid_partlist_new_parttableblk
id_is_nested_dimensionblkid_partlist_add_partitionblkid_partition_set_type_GLOBAL_OFFSET_TABLE_blkid_d
ebug_maskbsd_pt_idinfo8TdpX$@Px|

$4
# bsd.lo - a libtool object file
# Generated by libtool (GNU libtool) 2.4
#
# Please DO NOT delete this file!
# It is necessary for linking the library.

# Name of the PIC object.
pic_object='libs/bsd.o'

# Name of the non-PIC object
non_pic_object='bsd.o'
bsd.lo: bsd.c ../../../../config.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/stdio.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/features.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/cdefs.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/wordsize.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/gnu/stubs.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/include/stddef.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/types.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/typesizes.h \

```







```
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/uiio.h \
../../../../include/bitops.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/param.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/linux/param.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm/param.h \
../../../../include/blkdev.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/ioctl.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/ioctls.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm/ioctls.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm-generic/ioctls.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/linux/ioctl.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm/ioctl.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm-generic/ioctl.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/ioctl-types.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/ttydefaults.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/unistd.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/posix_opt.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/environments.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/confname.h \
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/getopt.h \
../../../../libblkid/src/blkid.h ../../include/list.h blkid_parttypes.h
```

```
../../../../config.h:
```

```
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/stdio.h:
```

```
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/features.h:
```

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/cdefs.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/wordsize.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/gnu/stubs.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/include/stddef.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/types.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/typesizes.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/libio.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/\_G\_config.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/wchar.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/include/stdarg.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/stdio\_lim.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/sys\_errlist.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/string.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/xlocale.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/stdlib.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/waitflags.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/waitstatus.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/endian.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/endian.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/byteswap.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/types.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/time.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/select.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/select.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/sigset.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/time.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/sysmacros.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/pthreadtypes.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/alloca.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/include/stdint.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/stdint.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/wchar.h:

partitions.h:

../../../../libblkid/src/blkidP.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/dirent.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/dirent.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/posix1\_lim.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/local\_lim.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/linux/limits.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/stat.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/stat.h:

../../../../include/c.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/include-fixed/limits.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/include-fixed/syslimits.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/limits.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/posix2\_lim.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/xopen\_lim.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/errno.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/errno.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/linux/errno.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm/errno.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm-generic/errno.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm-generic/errno-base.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/err.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/fcntl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/fcntl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/uio.h:

../../../../include/bitops.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/param.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/linux/param.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm/param.h:

../../../../include/blkdev.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/ioctl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/ioctls.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm/ioctls.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm-generic/ioctls.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/linux/ioctl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm/ioctl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm-generic/ioctl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/ioctl-types.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/ttydefaults.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/unistd.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/posix\_opt.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/environments.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/confname.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/getopt.h:

../../../../libblkid/src/blkid.h:

../../../../include/list.h:

blkid\_parttypes.h:

/\* tailf.c -- tail a log file and then follow it

\* Created: Tue Jan 9 15:49:21 1996 by faith@acm.org

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\*

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\*

\* less -F and tail -f cause a disk access every five seconds. This  
 \* program avoids this problem by waiting for the file size to change.  
 \* Hence, the file is not accessed, and the access time does not need to be  
 \* flushed back to disk. This is sort of a "stealth" tail.

\*/

/\*

\* Fallback for old or obscure libcs without dynamically allocated cpusets

\*

\* The following macros are based on code from glibc.

\*

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# when there is no Makefile.
#
# This script is compatible with the BSD install script, but was written
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```

## 1.189 sysstat 10.1.2 :2012/10/06

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

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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.  
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under certain conditions; type 'show c' for details.
```

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```
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```

```
<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice
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## 1.190 system 1

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```
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```

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

```
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```

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```
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```

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



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Version 2, June 1991

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

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

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## 1.198 uclibc++ 0.2.4

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Version 2.1, February 1999

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any 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

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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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## 1.201 util-linux 2.20.1

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```

```
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## 1.203 whereis 2.21.2

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```
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```

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

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```

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ELF(4(O-MhbP@P'04P

p0P0

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HEte?@h\$0

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(J1@pP00.0S)

0Y@000D0H0L

0Pt000

0P

pP

WT @bsdfreebsdnetbsdopenbsdWARNING: BSD label detected on unknown (0x%x) primary partition

WARNING: ignore %d more BSD partitions

WARNING: BSD partition (%d) overflow detected, ignore

WEVGCC: (Linaro GCC 4.5-2012.02) 4.5.4 20120201 (prerelease)A.aeabi\$7-A

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stack.ARM.attributes4

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x\$).3\8

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\$4

# bsd.lo - a libtool object file

# Generated by libtool (GNU libtool) 2.4

#

# Please DO NOT delete this file!

# It is necessary for linking the library.

# Name of the PIC object.

pic\_object='.libs/bsd.o'

# Name of the non-PIC object

non\_pic\_object='bsd.o'

bsd.lo: bsd.c ../../config.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/stdio.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/features.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/cdefs.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/wordsize.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/gnu/stubs.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/include/stddef.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/types.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/typesizes.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/libio.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/\_G\_config.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/wchar.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/include/stdarg.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/stdio\_lim.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/sys\_errlist.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/string.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/xlocale.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/stdlib.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/waitflags.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/waitstatus.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/ endian.h \

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-





openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/ioctl-types.h \  
/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/ttydefaults.h \  
/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/unistd.h \  
/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/posix\_opt.h \  
/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/environments.h \  
/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/confname.h \  
/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/getopt.h \  
../../../../libblkid/src/blkid.h ../../include/list.h blkid\_parttypes.h

../../../../config.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/stdio.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/features.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/cdefs.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/wordsize.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/gnu/stubs.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/include/stddef.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/types.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/typesizes.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/libio.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/\_G\_config.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-



openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/wchar.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/include/stdarg.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/stdio\_lim.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/sys\_errlist.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/string.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/xlocale.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/stdlib.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/waitflags.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/waitstatus.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/endian.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/endian.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/byteswap.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/types.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/time.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/select.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/select.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-

openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/sigset.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/time.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/sysmacros.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/pthreadtypes.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/alloca.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/include/stdint.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/stdint.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/wchar.h:

partitions.h:

../../../../libblkid/src/blkidP.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/dirent.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/dirent.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/posix1\_lim.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/local\_lim.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/linux/limits.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/stat.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/stat.h:

../../../../include/c.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/include-fixed/limits.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/include-fixed/syslimits.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/limits.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/posix2\_lim.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/xopen\_lim.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/errno.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/errno.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/linux/errno.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm/errno.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm-generic/errno.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm-generic/errno-base.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/err.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/fcntl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/fcntl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/uio.h:

../../../../include/bitops.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/param.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/linux/param.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm/param.h:

../../../../include/blkdev.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/ioctl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/ioctls.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm/ioctls.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm-generic/ioctls.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/linux/ioctl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm/ioctl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm-generic/ioctl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/ioctl-types.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/ttydefaults.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/unistd.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/posix\_opt.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/environments.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/confname.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/getopt.h:

../../../../libblkid/src/blkid.h:

../../../../include/list.h:

blkid\_parttypes.h:

/\* tailf.c -- tail a log file and then follow it

\* Created: Tue Jan 9 15:49:21 1996 by faith@acm.org

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\*

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\*

\* less -F and tail -f cause a disk access every five seconds. This  
\* program avoids this problem by waiting for the file size to change.  
\* Hence, the file is not accessed, and the access time does not need to be  
\* flushed back to disk. This is sort of a "stealth" tail.

\*/

/\*

\* Fallback for old or obscure libcs without dynamically allocated cpusets

\*

\* The following macros are based on code from glibc.

\*

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```

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Files: \*

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# 1.205 zlib 1.2.7

## 1.205.1 Available under license :

/\* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.7, May 2nd, 2012

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

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), [rfc1951](http://tools.ietf.org/html/rfc1951) (deflate format) and [rfc1952](http://tools.ietf.org/html/rfc1952) (gzip format).

\*/

```
#ifndef ZLIB_H
#define ZLIB_H
```

```
#include "zconf.h"
```

```
#ifdef __cplusplus
extern "C" {
#endif
```

```
#define ZLIB_VERSION "1.2.7"
#define ZLIB_VERNUM 0x1270
#define ZLIB_VER_MAJOR 1
```

```

#define ZLIB_VER_MINOR 2
#define ZLIB_VER_REVISION 7
#define ZLIB_VER_SUBREVISION 0

/*
  The 'zlib' compression library provides in-memory compression and
  decompression functions, including integrity checks of the uncompressed data.
  This version of the library supports only one compression method (deflation)
  but other algorithms will be added later and will have the same stream
  interface.

  Compression can be done in a single step if the buffers are large enough,
  or can be done by repeated calls of the compression function. In the latter
  case, the application must provide more input and/or consume the output
  (providing more output space) before each call.

  The compressed data format used by default by the in-memory functions is
  the zlib format, which is a zlib wrapper documented in RFC 1950, wrapped
  around a deflate stream, which is itself documented in RFC 1951.

  The library also supports reading and writing files in gzip (.gz) format
  with an interface similar to that of stdio using the functions that start
  with "gz". The gzip format is different from the zlib format. gzip is a
  gzip wrapper, documented in RFC 1952, wrapped around a deflate stream.

  This library can optionally read and write gzip streams in memory as well.

  The zlib format was designed to be compact and fast for use in memory
  and on communications channels. The gzip format was designed for single-
  file compression on file systems, has a larger header than zlib to maintain
  directory information, and uses a different, slower check method than zlib.

  The library does not install any signal handler. The decoder checks
  the consistency of the compressed data, so the library should never crash
  even in case of corrupted input.
*/

typedef voidpf (*alloc_func) OF((voidpf opaque, uInt items, uInt size));
typedef void (*free_func) OF((voidpf opaque, voidpf address));

struct internal_state;

typedef struct z_stream_s {
  z_const Bytef *next_in; /* next input byte */
  uInt avail_in; /* number of bytes available at next_in */
  uLong total_in; /* total number of input bytes read so far */

  Bytef *next_out; /* next output byte should be put there */

```

```

uInt  avail_out; /* remaining free space at next_out */
uLong  total_out; /* total number of bytes output so far */

z_const char *msg; /* last error message, NULL if no error */
struct internal_state FAR *state; /* not visible by applications */

alloc_func zalloc; /* used to allocate the internal state */
free_func  zfree; /* used to free the internal state */
voidpf    opaque; /* private data object passed to zalloc and zfree */

int  data_type; /* best guess about the data type: binary or text */
uLong  Adler; /* Adler32 value of the uncompressed data */
uLong  reserved; /* reserved for future use */
} z_stream;

typedef z_stream FAR *z_stream;

/*
  gzip header information passed to and from zlib routines. See RFC 1952
  for more details on the meanings of these fields.
*/
typedef struct gz_header_s {
  int  text; /* true if compressed data believed to be text */
  uLong  time; /* modification time */
  int  xflags; /* extra flags (not used when writing a gzip file) */
  int  os; /* operating system */
  Bytef *extra; /* pointer to extra field or Z_NULL if none */
  uInt  extra_len; /* extra field length (valid if extra != Z_NULL) */
  uInt  extra_max; /* space at extra (only when reading header) */
  Bytef *name; /* pointer to zero-terminated file name or Z_NULL */
  uInt  name_max; /* space at name (only when reading header) */
  Bytef *comment; /* pointer to zero-terminated comment or Z_NULL */
  uInt  comm_max; /* space at comment (only when reading header) */
  int  hcrc; /* true if there was or will be a header crc */
  int  done; /* true when done reading gzip header (not used
             when writing a gzip file) */
} gz_header;

```

```

typedef gz_header FAR *gz_headerp;

```

```

/*
  The application must update next_in and avail_in when avail_in has dropped
  to zero. It must update next_out and avail_out when avail_out has dropped
  to zero. The application must initialize zalloc, zfree and opaque before
  calling the init function. All other fields are set by the compression
  library and must not be updated by the application.

```

```

  The opaque value provided by the application will be passed as the first

```

parameter for calls of `zalloc` and `zfree`. This can be useful for custom memory management. The compression library attaches no meaning to the opaque value.

`zalloc` must return `Z_NULL` if there is not enough memory for the object. If `zlib` is used in a multi-threaded application, `zalloc` and `zfree` must be thread safe.

On 16-bit systems, the functions `zalloc` and `zfree` must be able to allocate exactly 65536 bytes, but will not be required to allocate more than this if the symbol `MAXSEG_64K` is defined (see `zconf.h`). WARNING: On MSDOS, pointers returned by `zalloc` for objects of exactly 65536 bytes *must* have their offset normalized to zero. The default allocation function provided by this library ensures this (see `zutil.c`). To reduce memory requirements and avoid any allocation of 64K objects, at the expense of compression ratio, compile the library with `-DMAX_WBITS=14` (see `zconf.h`).

The fields `total_in` and `total_out` can be used for statistics or progress reports. After compression, `total_in` holds the total size of the uncompressed data and may be saved for use in the decompressor (particularly if the decompressor wants to decompress everything in a single step).

\*/

/\* constants \*/

#define Z\_NO\_FLUSH 0

#define Z\_PARTIAL\_FLUSH 1

#define Z\_SYNC\_FLUSH 2

#define Z\_FULL\_FLUSH 3

#define Z\_FINISH 4

#define Z\_BLOCK 5

#define Z\_TREES 6

/\* Allowed flush values; see `deflate()` and `inflate()` below for details \*/

#define Z\_OK 0

#define Z\_STREAM\_END 1

#define Z\_NEED\_DICT 2

#define Z\_ERRNO (-1)

#define Z\_STREAM\_ERROR (-2)

#define Z\_DATA\_ERROR (-3)

#define Z\_MEM\_ERROR (-4)

#define Z\_BUF\_ERROR (-5)

#define Z\_VERSION\_ERROR (-6)

/\* Return codes for the compression/decompression functions. Negative values

\* are errors, positive values are used for special but normal events.

\*/

#define Z\_NO\_COMPRESSION 0

```

#define Z_BEST_SPEED      1
#define Z_BEST_COMPRESSION  9
#define Z_DEFAULT_COMPRESSION (-1)
/* compression levels */

#define Z_FILTERED      1
#define Z_HUFFMAN_ONLY  2
#define Z_RLE          3
#define Z_FIXED        4
#define Z_DEFAULT_STRATEGY  0
/* compression strategy; see deflateInit2() below for details */

#define Z_BINARY  0
#define Z_TEXT    1
#define Z_ASCII  Z_TEXT /* for compatibility with 1.2.2 and earlier */
#define Z_UNKNOWN 2
/* Possible values of the data_type field (though see inflate()) */

#define Z_DEFLATED  8
/* The deflate compression method (the only one supported in this version) */

#define Z_NULL 0 /* for initializing zalloc, zfree, opaque */

#define zlib_version zlibVersion()
/* for compatibility with versions < 1.0.2 */

/* basic functions */

```

```

ZEXTERN const char * ZEXPORT zlibVersion OF((void));
/* The application can compare zlibVersion and ZLIB_VERSION for consistency.
   If the first character differs, the library code actually used is not
   compatible with the zlib.h header file used by the application. This check
   is automatically made by deflateInit and inflateInit.
*/

```

```

/*
ZEXTERN int ZEXPORT deflateInit OF((z_stream strm, int level));

```

Initializes the internal stream state for compression. The fields zalloc, zfree and opaque must be initialized before by the caller. If zalloc and zfree are set to Z\_NULL, deflateInit updates them to use default allocation functions.

The compression level must be Z\_DEFAULT\_COMPRESSION, or between 0 and 9: 1 gives best speed, 9 gives best compression, 0 gives no compression at all (the input data is simply copied a block at a time). Z\_DEFAULT\_COMPRESSION requests a default compromise between speed and compression (currently

equivalent to level 6).

deflateInit returns Z\_OK if success, Z\_MEM\_ERROR if there was not enough memory, Z\_STREAM\_ERROR if level is not a valid compression level, or Z\_VERSION\_ERROR if the zlib library version (zlib\_version) is incompatible with the version assumed by the caller (ZLIB\_VERSION). msg is set to null if there is no error message. deflateInit does not perform any compression: this will be done by deflate().

\*/

```
ZEXTERN int ZEXPORT deflate OF((z_streamp strm, int flush));
```

/\*

deflate compresses as much data as possible, and stops when the input buffer becomes empty or the output buffer becomes full. It may introduce some output latency (reading input without producing any output) except when forced to flush.

The detailed semantics are as follows. deflate performs one or both of the following actions:

- Compress more input starting at next\_in and update next\_in and avail\_in accordingly. If not all input can be processed (because there is not enough room in the output buffer), next\_in and avail\_in are updated and processing will resume at this point for the next call of deflate().
- Provide more output starting at next\_out and update next\_out and avail\_out accordingly. This action is forced if the parameter flush is non zero. Forcing flush frequently degrades the compression ratio, so this parameter should be set only when necessary (in interactive applications). Some output may be provided even if flush is not set.

Before the call of deflate(), the application should ensure that at least one of the actions is possible, by providing more input and/or consuming more output, and updating avail\_in or avail\_out accordingly; avail\_out should never be zero before the call. The application can consume the compressed output when it wants, for example when the output buffer is full (avail\_out == 0), or after each call of deflate(). If deflate returns Z\_OK and with zero avail\_out, it must be called again after making room in the output buffer because there might be more output pending.

Normally the parameter flush is set to Z\_NO\_FLUSH, which allows deflate to decide how much data to accumulate before producing output, in order to maximize compression.

If the parameter flush is set to Z\_SYNC\_FLUSH, all pending output is flushed to the output buffer and the output is aligned on a byte boundary, so that the decompressor can get all input data available so far. (In

particular `avail_in` is zero after the call if enough output space has been provided before the call.) Flushing may degrade compression for some compression algorithms and so it should be used only when necessary. This completes the current deflate block and follows it with an empty stored block that is three bits plus filler bits to the next byte, followed by four bytes (00 00 ff ff).

If flush is set to `Z_PARTIAL_FLUSH`, all pending output is flushed to the output buffer, but the output is not aligned to a byte boundary. All of the input data so far will be available to the decompressor, as for `Z_SYNC_FLUSH`. This completes the current deflate block and follows it with an empty fixed codes block that is 10 bits long. This assures that enough bytes are output in order for the decompressor to finish the block before the empty fixed code block.

If flush is set to `Z_BLOCK`, a deflate block is completed and emitted, as for `Z_SYNC_FLUSH`, but the output is not aligned on a byte boundary, and up to seven bits of the current block are held to be written as the next byte after the next deflate block is completed. In this case, the decompressor may not be provided enough bits at this point in order to complete decompression of the data provided so far to the compressor. It may need to wait for the next block to be emitted. This is for advanced applications that need to control the emission of deflate blocks.

If flush is set to `Z_FULL_FLUSH`, all output is flushed as with `Z_SYNC_FLUSH`, and the compression state is reset so that decompression can restart from this point if previous compressed data has been damaged or if random access is desired. Using `Z_FULL_FLUSH` too often can seriously degrade compression.

If deflate returns with `avail_out == 0`, this function must be called again with the same value of the flush parameter and more output space (updated `avail_out`), until the flush is complete (deflate returns with non-zero `avail_out`). In the case of a `Z_FULL_FLUSH` or `Z_SYNC_FLUSH`, make sure that `avail_out` is greater than six to avoid repeated flush markers due to `avail_out == 0` on return.

If the parameter flush is set to `Z_FINISH`, pending input is processed, pending output is flushed and deflate returns with `Z_STREAM_END` if there was enough output space; if deflate returns with `Z_OK`, this function must be called again with `Z_FINISH` and more output space (updated `avail_out`) but no more input data, until it returns with `Z_STREAM_END` or an error. After deflate has returned `Z_STREAM_END`, the only possible operations on the stream are `deflateReset` or `deflateEnd`.

`Z_FINISH` can be used immediately after `deflateInit` if all the compression is to be done in a single step. In this case, `avail_out` must be at least the value returned by `deflateBound` (see below). Then deflate is guaranteed to

return Z\_STREAM\_END. If not enough output space is provided, deflate will not return Z\_STREAM\_END, and it must be called again as described above.

deflate() sets strm->adler to the Adler32 checksum of all input read so far (that is, total\_in bytes).

deflate() may update strm->data\_type if it can make a good guess about the input data type (Z\_BINARY or Z\_TEXT). In doubt, the data is considered binary. This field is only for information purposes and does not affect the compression algorithm in any manner.

deflate() returns Z\_OK if some progress has been made (more input processed or more output produced), Z\_STREAM\_END if all input has been consumed and all output has been produced (only when flush is set to Z\_FINISH), Z\_STREAM\_ERROR if the stream state was inconsistent (for example if next\_in or next\_out was Z\_NULL), Z\_BUF\_ERROR if no progress is possible (for example avail\_in or avail\_out was zero). Note that Z\_BUF\_ERROR is not fatal, and deflate() can be called again with more input and more output space to continue compressing.

\*/

```
ZEXTERN int ZEXPORT deflateEnd OF((z_streamp strm));
```

/\*

All dynamically allocated data structures for this stream are freed. This function discards any unprocessed input and does not flush any pending output.

deflateEnd returns Z\_OK if success, Z\_STREAM\_ERROR if the stream state was inconsistent, Z\_DATA\_ERROR if the stream was freed prematurely (some input or output was discarded). In the error case, msg may be set but then points to a static string (which must not be deallocated).

\*/

/\*

```
ZEXTERN int ZEXPORT inflateInit OF((z_streamp strm));
```

Initializes the internal stream state for decompression. The fields next\_in, avail\_in, zalloc, zfree and opaque must be initialized before by the caller. If next\_in is not Z\_NULL and avail\_in is large enough (the exact value depends on the compression method), inflateInit determines the compression method from the zlib header and allocates all data structures accordingly; otherwise the allocation will be deferred to the first call of inflate. If zalloc and zfree are set to Z\_NULL, inflateInit updates them to use default allocation functions.



inflateInit returns Z\_OK if success, Z\_MEM\_ERROR if there was not enough memory, Z\_VERSION\_ERROR if the zlib library version is incompatible with the version assumed by the caller, or Z\_STREAM\_ERROR if the parameters are invalid, such as a null pointer to the structure. msg is set to null if there is no error message. inflateInit does not perform any decompression apart from possibly reading the zlib header if present: actual decompression will be done by inflate(). (So next\_in and avail\_in may be modified, but next\_out and avail\_out are unused and unchanged.) The current implementation of inflateInit() does not process any header information -- that is deferred until inflate() is called.

\*/

```
ZEXTERN int ZEXPORT inflate OF((z_streamp strm, int flush));
```

/\*

inflate decompresses as much data as possible, and stops when the input buffer becomes empty or the output buffer becomes full. It may introduce some output latency (reading input without producing any output) except when forced to flush.

The detailed semantics are as follows. inflate performs one or both of the following actions:

- Decompress more input starting at next\_in and update next\_in and avail\_in accordingly. If not all input can be processed (because there is not enough room in the output buffer), next\_in is updated and processing will resume at this point for the next call of inflate().
- Provide more output starting at next\_out and update next\_out and avail\_out accordingly. inflate() provides as much output as possible, until there is no more input data or no more space in the output buffer (see below about the flush parameter).

Before the call of inflate(), the application should ensure that at least one of the actions is possible, by providing more input and/or consuming more output, and updating the next\_\* and avail\_\* values accordingly. The application can consume the uncompressed output when it wants, for example when the output buffer is full (avail\_out == 0), or after each call of inflate(). If inflate returns Z\_OK and with zero avail\_out, it must be called again after making room in the output buffer because there might be more output pending.

The flush parameter of inflate() can be Z\_NO\_FLUSH, Z\_SYNC\_FLUSH, Z\_FINISH, Z\_BLOCK, or Z\_TREES. Z\_SYNC\_FLUSH requests that inflate() flush as much output as possible to the output buffer. Z\_BLOCK requests that inflate() stop if and when it gets to the next deflate block boundary. When decoding the zlib or gzip format, this will cause inflate() to return immediately after the header and before the first block. When doing a raw inflate,

inflate() will go ahead and process the first block, and will return when it gets to the end of that block, or when it runs out of data.

The `Z_BLOCK` option assists in appending to or combining deflate streams. Also to assist in this, on return `inflate()` will set `strm->data_type` to the number of unused bits in the last byte taken from `strm->next_in`, plus 64 if `inflate()` is currently decoding the last block in the deflate stream, plus 128 if `inflate()` returned immediately after decoding an end-of-block code or decoding the complete header up to just before the first byte of the deflate stream. The end-of-block will not be indicated until all of the uncompressed data from that block has been written to `strm->next_out`. The number of unused bits may in general be greater than seven, except when bit 7 of `data_type` is set, in which case the number of unused bits will be less than eight. `data_type` is set as noted here every time `inflate()` returns for all flush options, and so can be used to determine the amount of currently consumed input in bits.

The `Z_TREES` option behaves as `Z_BLOCK` does, but it also returns when the end of each deflate block header is reached, before any actual data in that block is decoded. This allows the caller to determine the length of the deflate block header for later use in random access within a deflate block. 256 is added to the value of `strm->data_type` when `inflate()` returns immediately after reaching the end of the deflate block header.

`inflate()` should normally be called until it returns `Z_STREAM_END` or an error. However if all decompression is to be performed in a single step (a single call of `inflate()`), the parameter `flush` should be set to `Z_FINISH`. In this case all pending input is processed and all pending output is flushed; `avail_out` must be large enough to hold all of the uncompressed data for the operation to complete. (The size of the uncompressed data may have been saved by the compressor for this purpose.) The use of `Z_FINISH` is not required to perform an inflation in one step. However it may be used to inform `inflate()` that a faster approach can be used for the single `inflate()` call. `Z_FINISH` also informs `inflate()` to not maintain a sliding window if the stream completes, which reduces `inflate()`'s memory footprint. If the stream does not complete, either because not all of the stream is provided or not enough output space is provided, then a sliding window will be allocated and `inflate()` can be called again to continue the operation as if `Z_NO_FLUSH` had been used.

In this implementation, `inflate()` always flushes as much output as possible to the output buffer, and always uses the faster approach on the first call. So the effects of the flush parameter in this implementation are on the return value of `inflate()` as noted below, when `inflate()` returns early when `Z_BLOCK` or `Z_TREES` is used, and when `inflate()` avoids the allocation of memory for a sliding window when `Z_FINISH` is used.

If a preset dictionary is needed after this call (see `inflateSetDictionary`

below), inflate sets strm->adler to the Adler-32 checksum of the dictionary chosen by the compressor and returns Z\_NEED\_DICT; otherwise it sets strm->adler to the Adler-32 checksum of all output produced so far (that is, total\_out bytes) and returns Z\_OK, Z\_STREAM\_END or an error code as described below. At the end of the stream, inflate() checks that its computed Adler32 checksum is equal to that saved by the compressor and returns Z\_STREAM\_END only if the checksum is correct.

inflate() can decompress and check either zlib-wrapped or gzip-wrapped deflate data. The header type is detected automatically, if requested when initializing with inflateInit2(). Any information contained in the gzip header is not retained, so applications that need that information should instead use raw inflate, see inflateInit2() below, or inflateBack() and perform their own processing of the gzip header and trailer. When processing gzip-wrapped deflate data, strm->adler32 is set to the CRC-32 of the output produced so far. The CRC-32 is checked against the gzip trailer.

inflate() returns Z\_OK if some progress has been made (more input processed or more output produced), Z\_STREAM\_END if the end of the compressed data has been reached and all uncompressed output has been produced, Z\_NEED\_DICT if a preset dictionary is needed at this point, Z\_DATA\_ERROR if the input data was corrupted (input stream not conforming to the zlib format or incorrect check value), Z\_STREAM\_ERROR if the stream structure was inconsistent (for example next\_in or next\_out was Z\_NULL), Z\_MEM\_ERROR if there was not enough memory, Z\_BUF\_ERROR if no progress is possible or if there was not enough room in the output buffer when Z\_FINISH is used. Note that Z\_BUF\_ERROR is not fatal, and inflate() can be called again with more input and more output space to continue decompressing. If Z\_DATA\_ERROR is returned, the application may then call inflateSync() to look for a good compression block if a partial recovery of the data is desired.

\*/

```
ZEXTERN int ZEXPORT inflateEnd OF((z_streamp strm));
```

/\*

All dynamically allocated data structures for this stream are freed.

This function discards any unprocessed input and does not flush any pending output.

inflateEnd returns Z\_OK if success, Z\_STREAM\_ERROR if the stream state was inconsistent. In the error case, msg may be set but then points to a static string (which must not be deallocated).

\*/

/\* Advanced functions \*/

/\*

The following functions are needed only in some special applications.

```
*/  
  
/*  
ZEXTERN int ZEXPORT deflateInit2 OF((z_streamp strm,  
    int level,  
    int method,  
    int windowBits,  
    int memLevel,  
    int strategy));
```

This is another version of `deflateInit` with more compression options. The fields `next_in`, `zalloc`, `zfree` and `opaque` must be initialized before by the caller.

The `method` parameter is the compression method. It must be `Z_DEFLATED` in this version of the library.

The `windowBits` parameter is the base two logarithm of the window size (the size of the history buffer). It should be in the range 8..15 for this version of the library. Larger values of this parameter result in better compression at the expense of memory usage. The default value is 15 if `deflateInit` is used instead.

`windowBits` can also be -8..-15 for raw deflate. In this case, `-windowBits` determines the window size. `deflate()` will then generate raw deflate data with no zlib header or trailer, and will not compute an `adler32` check value.

`windowBits` can also be greater than 15 for optional gzip encoding. Add 16 to `windowBits` to write a simple gzip header and trailer around the compressed data instead of a zlib wrapper. The gzip header will have no file name, no extra data, no comment, no modification time (set to zero), no header crc, and the operating system will be set to 255 (unknown). If a gzip stream is being written, `strm->adler` is a `crc32` instead of an `adler32`.

The `memLevel` parameter specifies how much memory should be allocated for the internal compression state. `memLevel=1` uses minimum memory but is slow and reduces compression ratio; `memLevel=9` uses maximum memory for optimal speed. The default value is 8. See `zconf.h` for total memory usage as a function of `windowBits` and `memLevel`.

The `strategy` parameter is used to tune the compression algorithm. Use the value `Z_DEFAULT_STRATEGY` for normal data, `Z_FILTERED` for data produced by a filter (or predictor), `Z_HUFFMAN_ONLY` to force Huffman encoding only (no string match), or `Z_RLE` to limit match distances to one (run-length encoding). Filtered data consists mostly of small values with a somewhat random distribution. In this case, the compression algorithm is tuned to compress them better. The effect of `Z_FILTERED` is to force more Huffman

coding and less string matching; it is somewhat intermediate between Z\_DEFAULT\_STRATEGY and Z\_HUFFMAN\_ONLY. Z\_RLE is designed to be almost as fast as Z\_HUFFMAN\_ONLY, but give better compression for PNG image data. The strategy parameter only affects the compression ratio but not the correctness of the compressed output even if it is not set appropriately. Z\_FIXED prevents the use of dynamic Huffman codes, allowing for a simpler decoder for special applications.

deflateInit2 returns Z\_OK if success, Z\_MEM\_ERROR if there was not enough memory, Z\_STREAM\_ERROR if any parameter is invalid (such as an invalid method), or Z\_VERSION\_ERROR if the zlib library version (zlib\_version) is incompatible with the version assumed by the caller (ZLIB\_VERSION). msg is set to null if there is no error message. deflateInit2 does not perform any compression: this will be done by deflate().

\*/

```
ZEXTERN int ZEXPORT deflateSetDictionary OF((z_streamp strm,
      const Bytef *dictionary,
      uInt dictLength));
```

/\*

Initializes the compression dictionary from the given byte sequence without producing any compressed output. When using the zlib format, this function must be called immediately after deflateInit, deflateInit2 or deflateReset, and before any call of deflate. When doing raw deflate, this function must be called either before any call of deflate, or immediately after the completion of a deflate block, i.e. after all input has been consumed and all output has been delivered when using any of the flush options Z\_BLOCK, Z\_PARTIAL\_FLUSH, Z\_SYNC\_FLUSH, or Z\_FULL\_FLUSH. The compressor and decompressor must use exactly the same dictionary (see inflateSetDictionary).

The dictionary should consist of strings (byte sequences) that are likely to be encountered later in the data to be compressed, with the most commonly used strings preferably put towards the end of the dictionary. Using a dictionary is most useful when the data to be compressed is short and can be predicted with good accuracy; the data can then be compressed better than with the default empty dictionary.

Depending on the size of the compression data structures selected by deflateInit or deflateInit2, a part of the dictionary may in effect be discarded, for example if the dictionary is larger than the window size provided in deflateInit or deflateInit2. Thus the strings most likely to be useful should be put at the end of the dictionary, not at the front. In addition, the current implementation of deflate will use at most the window size minus 262 bytes of the provided dictionary.

Upon return of this function, strm->adler is set to the Adler32 value of the dictionary; the decompressor may later use this value to determine

which dictionary has been used by the compressor. (The Adler32 value applies to the whole dictionary even if only a subset of the dictionary is actually used by the compressor.) If a raw deflate was requested, then the Adler32 value is not computed and `strm->adler` is not set.

`deflateSetDictionary` returns `Z_OK` if success, or `Z_STREAM_ERROR` if a parameter is invalid (e.g. dictionary being `Z_NULL`) or the stream state is inconsistent (for example if deflate has already been called for this stream or if not at a block boundary for raw deflate). `deflateSetDictionary` does not perform any compression: this will be done by `deflate()`.

\*/

```
ZEXTERN int ZEXPORT deflateCopy OF((z_streamp dest,  
                                   z_streamp source));
```

/\*

Sets the destination stream as a complete copy of the source stream.

This function can be useful when several compression strategies will be tried, for example when there are several ways of pre-processing the input data with a filter. The streams that will be discarded should then be freed by calling `deflateEnd`. Note that `deflateCopy` duplicates the internal compression state which can be quite large, so this strategy is slow and can consume lots of memory.

`deflateCopy` returns `Z_OK` if success, `Z_MEM_ERROR` if there was not enough memory, `Z_STREAM_ERROR` if the source stream state was inconsistent (such as `zalloc` being `Z_NULL`). `msg` is left unchanged in both source and destination.

\*/

```
ZEXTERN int ZEXPORT deflateReset OF((z_streamp strm));
```

/\*

This function is equivalent to `deflateEnd` followed by `deflateInit`, but does not free and reallocate all the internal compression state. The stream will keep the same compression level and any other attributes that may have been set by `deflateInit2`.

`deflateReset` returns `Z_OK` if success, or `Z_STREAM_ERROR` if the source stream state was inconsistent (such as `zalloc` or state being `Z_NULL`).

\*/

```
ZEXTERN int ZEXPORT deflateParams OF((z_streamp strm,  
                                     int level,  
                                     int strategy));
```

/\*

Dynamically update the compression level and compression strategy. The interpretation of `level` and `strategy` is as in `deflateInit2`. This can be used to switch between compression and straight copy of the input data, or

to switch to a different kind of input data requiring a different strategy. If the compression level is changed, the input available so far is compressed with the old level (and may be flushed); the new level will take effect only at the next call of deflate().

Before the call of deflateParams, the stream state must be set as for a call of deflate(), since the currently available input may have to be compressed and flushed. In particular, strm->avail\_out must be non-zero.

deflateParams returns Z\_OK if success, Z\_STREAM\_ERROR if the source stream state was inconsistent or if a parameter was invalid, Z\_BUF\_ERROR if strm->avail\_out was zero.

\*/

```
ZEXTERN int ZEXPORT deflateTune OF((z_streamp strm,
    int good_length,
    int max_lazy,
    int nice_length,
    int max_chain));
```

/\*

Fine tune deflate's internal compression parameters. This should only be used by someone who understands the algorithm used by zlib's deflate for searching for the best matching string, and even then only by the most fanatic optimizer trying to squeeze out the last compressed bit for their specific input data. Read the deflate.c source code for the meaning of the max\_lazy, good\_length, nice\_length, and max\_chain parameters.

deflateTune() can be called after deflateInit() or deflateInit2(), and returns Z\_OK on success, or Z\_STREAM\_ERROR for an invalid deflate stream.

\*/

```
ZEXTERN uLong ZEXPORT deflateBound OF((z_streamp strm,
    uLong sourceLen));
```

/\*

deflateBound() returns an upper bound on the compressed size after deflation of sourceLen bytes. It must be called after deflateInit() or deflateInit2(), and after deflateSetHeader(), if used. This would be used to allocate an output buffer for deflation in a single pass, and so would be called before deflate(). If that first deflate() call is provided the sourceLen input bytes, an output buffer allocated to the size returned by deflateBound(), and the flush value Z\_FINISH, then deflate() is guaranteed to return Z\_STREAM\_END. Note that it is possible for the compressed size to be larger than the value returned by deflateBound() if flush options other than Z\_FINISH or Z\_NO\_FLUSH are used.

\*/

```
ZEXTERN int ZEXPORT deflatePending OF((z_streamp strm,
    unsigned *pending,
```

```

        int *bits));
/*
    deflatePending() returns the number of bytes and bits of output that have
    been generated, but not yet provided in the available output. The bytes not
    provided would be due to the available output space having been consumed.
    The number of bits of output not provided are between 0 and 7, where they
    await more bits to join them in order to fill out a full byte. If pending
    or bits are Z_NULL, then those values are not set.

    deflatePending returns Z_OK if success, or Z_STREAM_ERROR if the source
    stream state was inconsistent.
*/

```

```

ZEXTERN int ZEXPORT deflatePrime OF((z_streamp strm,
        int bits,
        int value));

```

```

/*
    deflatePrime() inserts bits in the deflate output stream. The intent
    is that this function is used to start off the deflate output with the bits
    leftover from a previous deflate stream when appending to it. As such, this
    function can only be used for raw deflate, and must be used before the first
    deflate() call after a deflateInit2() or deflateReset(). bits must be less
    than or equal to 16, and that many of the least significant bits of value
    will be inserted in the output.

    deflatePrime returns Z_OK if success, Z_BUF_ERROR if there was not enough
    room in the internal buffer to insert the bits, or Z_STREAM_ERROR if the
    source stream state was inconsistent.
*/

```

```

ZEXTERN int ZEXPORT deflateSetHeader OF((z_streamp strm,
        gz_headerp head));

```

```

/*
    deflateSetHeader() provides gzip header information for when a gzip
    stream is requested by deflateInit2(). deflateSetHeader() may be called
    after deflateInit2() or deflateReset() and before the first call of
    deflate(). The text, time, os, extra field, name, and comment information
    in the provided gz_header structure are written to the gzip header (xflag is
    ignored -- the extra flags are set according to the compression level). The
    caller must assure that, if not Z_NULL, name and comment are terminated with
    a zero byte, and that if extra is not Z_NULL, that extra_len bytes are
    available there. If hrc is true, a gzip header crc is included. Note that
    the current versions of the command-line version of gzip (up through version
    1.3.x) do not support header crc's, and will report that it is a "multi-part
    gzip file" and give up.

```

If deflateSetHeader is not used, the default gzip header has text false, the time set to zero, and os set to 255, with no extra, name, or comment



fields. The gzip header is returned to the default state by deflateReset().

deflateSetHeader returns Z\_OK if success, or Z\_STREAM\_ERROR if the source stream state was inconsistent.

\*/

/\*

```
ZEXTERN int ZEXPORT inflateInit2 OF((z_streamp strm,  
int windowBits));
```

This is another version of inflateInit with an extra parameter. The fields next\_in, avail\_in, zalloc, zfree and opaque must be initialized before by the caller.

The windowBits parameter is the base two logarithm of the maximum window size (the size of the history buffer). It should be in the range 8..15 for this version of the library. The default value is 15 if inflateInit is used instead. windowBits must be greater than or equal to the windowBits value provided to deflateInit2() while compressing, or it must be equal to 15 if deflateInit2() was not used. If a compressed stream with a larger window size is given as input, inflate() will return with the error code Z\_DATA\_ERROR instead of trying to allocate a larger window.

windowBits can also be zero to request that inflate use the window size in the zlib header of the compressed stream.

windowBits can also be -8..-15 for raw inflate. In this case, -windowBits determines the window size. inflate() will then process raw deflate data, not looking for a zlib or gzip header, not generating a check value, and not looking for any check values for comparison at the end of the stream. This is for use with other formats that use the deflate compressed data format such as zip. Those formats provide their own check values. If a custom format is developed using the raw deflate format for compressed data, it is recommended that a check value such as an Adler32 or a CRC32 be applied to the uncompressed data as is done in the zlib, gzip, and zip formats. For most applications, the zlib format should be used as is. Note that comments above on the use in deflateInit2() applies to the magnitude of windowBits.

windowBits can also be greater than 15 for optional gzip decoding. Add 32 to windowBits to enable zlib and gzip decoding with automatic header detection, or add 16 to decode only the gzip format (the zlib format will return a Z\_DATA\_ERROR). If a gzip stream is being decoded, strm->adler is a CRC32 instead of an Adler32.

inflateInit2 returns Z\_OK if success, Z\_MEM\_ERROR if there was not enough memory, Z\_VERSION\_ERROR if the zlib library version is incompatible with the version assumed by the caller, or Z\_STREAM\_ERROR if the parameters are invalid, such as a null pointer to the structure. msg is set to null if

there is no error message. `inflateInit2` does not perform any decompression apart from possibly reading the zlib header if present: actual decompression will be done by `inflate()`. (So `next_in` and `avail_in` may be modified, but `next_out` and `avail_out` are unused and unchanged.) The current implementation of `inflateInit2()` does not process any header information -- that is deferred until `inflate()` is called.

\*/

```
ZEXTERN int ZEXPORT inflateSetDictionary OF((z_streamp strm,
      const Bytef *dictionary,
      uInt dictLength));
```

/\*

Initializes the decompression dictionary from the given uncompressed byte sequence. This function must be called immediately after a call of `inflate`, if that call returned `Z_NEED_DICT`. The dictionary chosen by the compressor can be determined from the `adler32` value returned by that call of `inflate`. The compressor and decompressor must use exactly the same dictionary (see `deflateSetDictionary`). For raw `inflate`, this function can be called at any time to set the dictionary. If the provided dictionary is smaller than the window and there is already data in the window, then the provided dictionary will amend what's there. The application must insure that the dictionary that was used for compression is provided.

`inflateSetDictionary` returns `Z_OK` if success, `Z_STREAM_ERROR` if a parameter is invalid (e.g. dictionary being `Z_NULL`) or the stream state is inconsistent, `Z_DATA_ERROR` if the given dictionary doesn't match the expected one (incorrect `adler32` value). `inflateSetDictionary` does not perform any decompression: this will be done by subsequent calls of `inflate()`.

\*/

```
ZEXTERN int ZEXPORT inflateSync OF((z_streamp strm));
```

/\*

Skips invalid compressed data until a possible full flush point (see above for the description of `deflate` with `Z_FULL_FLUSH`) can be found, or until all available input is skipped. No output is provided.

`inflateSync` searches for a `00 00 FF FF` pattern in the compressed data. All full flush points have this pattern, but not all occurrences of this pattern are full flush points.

`inflateSync` returns `Z_OK` if a possible full flush point has been found, `Z_BUF_ERROR` if no more input was provided, `Z_DATA_ERROR` if no flush point has been found, or `Z_STREAM_ERROR` if the stream structure was inconsistent. In the success case, the application may save the current value of `total_in` which indicates where valid compressed data was found. In the error case, the application may repeatedly call `inflateSync`, providing more input each time, until success or end of the input data.

\*/

```
ZEXTERN int ZEXPORT inflateCopy OF((z_streamp dest,  
                                   z_streamp source));
```

/\*

Sets the destination stream as a complete copy of the source stream.

This function can be useful when randomly accessing a large stream. The first pass through the stream can periodically record the inflate state, allowing restarting inflate at those points when randomly accessing the stream.

inflateCopy returns Z\_OK if success, Z\_MEM\_ERROR if there was not enough memory, Z\_STREAM\_ERROR if the source stream state was inconsistent (such as zalloc being Z\_NULL). msg is left unchanged in both source and destination.

\*/

```
ZEXTERN int ZEXPORT inflateReset OF((z_streamp strm));
```

/\*

This function is equivalent to inflateEnd followed by inflateInit, but does not free and reallocate all the internal decompression state. The stream will keep attributes that may have been set by inflateInit2.

inflateReset returns Z\_OK if success, or Z\_STREAM\_ERROR if the source stream state was inconsistent (such as zalloc or state being Z\_NULL).

\*/

```
ZEXTERN int ZEXPORT inflateReset2 OF((z_streamp strm,  
                                     int windowBits));
```

/\*

This function is the same as inflateReset, but it also permits changing the wrap and window size requests. The windowBits parameter is interpreted the same as it is for inflateInit2.

inflateReset2 returns Z\_OK if success, or Z\_STREAM\_ERROR if the source stream state was inconsistent (such as zalloc or state being Z\_NULL), or if the windowBits parameter is invalid.

\*/

```
ZEXTERN int ZEXPORT inflatePrime OF((z_streamp strm,  
                                     int bits,  
                                     int value));
```

/\*

This function inserts bits in the inflate input stream. The intent is that this function is used to start inflating at a bit position in the middle of a byte. The provided bits will be used before any bytes are used from next\_in. This function should only be used with raw inflate, and

should be used before the first `inflate()` call after `inflateInit2()` or `inflateReset()`. `bits` must be less than or equal to 16, and that many of the least significant bits of value will be inserted in the input.

If `bits` is negative, then the input stream bit buffer is emptied. Then `inflatePrime()` can be called again to put bits in the buffer. This is used to clear out bits leftover after feeding `inflate` a block description prior to feeding `inflate` codes.

`inflatePrime` returns `Z_OK` if success, or `Z_STREAM_ERROR` if the source stream state was inconsistent.

\*/

```
ZEXTERN long ZEXPORT inflateMark OF((z_streamp strm));
```

/\*

This function returns two values, one in the lower 16 bits of the return value, and the other in the remaining upper bits, obtained by shifting the return value down 16 bits. If the upper value is -1 and the lower value is zero, then `inflate()` is currently decoding information outside of a block. If the upper value is -1 and the lower value is non-zero, then `inflate` is in the middle of a stored block, with the lower value equaling the number of bytes from the input remaining to copy. If the upper value is not -1, then it is the number of bits back from the current bit position in the input of the code (literal or length/distance pair) currently being processed. In that case the lower value is the number of bytes already emitted for that code.

A code is being processed if `inflate` is waiting for more input to complete decoding of the code, or if it has completed decoding but is waiting for more output space to write the literal or match data.

`inflateMark()` is used to mark locations in the input data for random access, which may be at bit positions, and to note those cases where the output of a code may span boundaries of random access blocks. The current location in the input stream can be determined from `avail_in` and `data_type` as noted in the description for the `Z_BLOCK` flush parameter for `inflate`.

`inflateMark` returns the value noted above or  $-1 \ll 16$  if the provided source stream state was inconsistent.

\*/

```
ZEXTERN int ZEXPORT inflateGetHeader OF((z_streamp strm,  
                                         gz_headerp head));
```

/\*

`inflateGetHeader()` requests that `gzip` header information be stored in the provided `gz_header` structure. `inflateGetHeader()` may be called after `inflateInit2()` or `inflateReset()`, and before the first call of `inflate()`.

As `inflate()` processes the `gzip` stream, `head->done` is zero until the header

is completed, at which time `head->done` is set to one. If a zlib stream is being decoded, then `head->done` is set to -1 to indicate that there will be no gzip header information forthcoming. Note that `Z_BLOCK` or `Z_TREES` can be used to force `inflate()` to return immediately after header processing is complete and before any actual data is decompressed.

The `text`, `time`, `xflags`, and `os` fields are filled in with the gzip header contents. `hcrc` is set to true if there is a header CRC. (The header CRC was valid if `done` is set to one.) If `extra` is not `Z_NULL`, then `extra_max` contains the maximum number of bytes to write to `extra`. Once `done` is true, `extra_len` contains the actual extra field length, and `extra` contains the extra field, or that field truncated if `extra_max` is less than `extra_len`. If `name` is not `Z_NULL`, then up to `name_max` characters are written there, terminated with a zero unless the length is greater than `name_max`. If `comment` is not `Z_NULL`, then up to `comm_max` characters are written there, terminated with a zero unless the length is greater than `comm_max`. When any of `extra`, `name`, or `comment` are not `Z_NULL` and the respective field is not present in the header, then that field is set to `Z_NULL` to signal its absence. This allows the use of `inflateSetHeader()` with the returned structure to duplicate the header. However if those fields are set to allocated memory, then the application will need to save those pointers elsewhere so that they can be eventually freed.

If `inflateGetHeader` is not used, then the header information is simply discarded. The header is always checked for validity, including the header CRC if present. `inflateReset()` will reset the process to discard the header information. The application would need to call `inflateGetHeader()` again to retrieve the header from the next gzip stream.

`inflateGetHeader` returns `Z_OK` if success, or `Z_STREAM_ERROR` if the source stream state was inconsistent.

\*/

/\*

```
ZEXTERN int ZEXPORT inflateBackInit OF((z_streamp strm, int windowBits,
                                         unsigned char FAR *window));
```

Initialize the internal stream state for decompression using `inflateBack()` calls. The fields `zalloc`, `zfree` and `opaque` in `strm` must be initialized before the call. If `zalloc` and `zfree` are `Z_NULL`, then the default library-derived memory allocation routines are used. `windowBits` is the base two logarithm of the window size, in the range 8..15. `window` is a caller supplied buffer of that size. Except for special applications where it is assured that deflate was used with small window sizes, `windowBits` must be 15 and a 32K byte window must be supplied to be able to decompress general deflate streams.

See `inflateBack()` for the usage of these routines.

inflateBackInit will return Z\_OK on success, Z\_STREAM\_ERROR if any of the parameters are invalid, Z\_MEM\_ERROR if the internal state could not be allocated, or Z\_VERSION\_ERROR if the version of the library does not match the version of the header file.

\*/

```
typedef unsigned (*in_func) OF((void FAR *, unsigned char FAR * FAR *));
typedef int (*out_func) OF((void FAR *, unsigned char FAR *, unsigned));
```

```
ZEXTERN int ZEXPORT inflateBack OF((z_streamp strm,
                                   in_func in, void FAR *in_desc,
                                   out_func out, void FAR *out_desc));
```

/\*

inflateBack() does a raw inflate with a single call using a call-back interface for input and output. This is more efficient than inflate() for file i/o applications in that it avoids copying between the output and the sliding window by simply making the window itself the output buffer. This function trusts the application to not change the output buffer passed by the output function, at least until inflateBack() returns.

inflateBackInit() must be called first to allocate the internal state and to initialize the state with the user-provided window buffer. inflateBack() may then be used multiple times to inflate a complete, raw deflate stream with each call. inflateBackEnd() is then called to free the allocated state.

A raw deflate stream is one with no zlib or gzip header or trailer. This routine would normally be used in a utility that reads zip or gzip files and writes out uncompressed files. The utility would decode the header and process the trailer on its own, hence this routine expects only the raw deflate stream to decompress. This is different from the normal behavior of inflate(), which expects either a zlib or gzip header and trailer around the deflate stream.

inflateBack() uses two subroutines supplied by the caller that are then called by inflateBack() for input and output. inflateBack() calls those routines until it reads a complete deflate stream and writes out all of the uncompressed data, or until it encounters an error. The function's parameters and return types are defined above in the in\_func and out\_func typedefs. inflateBack() will call in(in\_desc, &buf) which should return the number of bytes of provided input, and a pointer to that input in buf. If there is no input available, in() must return zero--buf is ignored in that case--and inflateBack() will return a buffer error. inflateBack() will call out(out\_desc, buf, len) to write the uncompressed data buf[0..len-1]. out() should return zero on success, or non-zero on failure. If out() returns non-zero, inflateBack() will return with an error. Neither in() nor out() are permitted to change the contents of the window provided to

inflateBackInit(), which is also the buffer that out() uses to write from. The length written by out() will be at most the window size. Any non-zero amount of input may be provided by in().

For convenience, inflateBack() can be provided input on the first call by setting strm->next\_in and strm->avail\_in. If that input is exhausted, then in() will be called. Therefore strm->next\_in must be initialized before calling inflateBack(). If strm->next\_in is Z\_NULL, then in() will be called immediately for input. If strm->next\_in is not Z\_NULL, then strm->avail\_in must also be initialized, and then if strm->avail\_in is not zero, input will initially be taken from strm->next\_in[0 .. strm->avail\_in - 1].

The in\_desc and out\_desc parameters of inflateBack() is passed as the first parameter of in() and out() respectively when they are called. These descriptors can be optionally used to pass any information that the caller-supplied in() and out() functions need to do their job.

On return, inflateBack() will set strm->next\_in and strm->avail\_in to pass back any unused input that was provided by the last in() call. The return values of inflateBack() can be Z\_STREAM\_END on success, Z\_BUF\_ERROR if in() or out() returned an error, Z\_DATA\_ERROR if there was a format error in the deflate stream (in which case strm->msg is set to indicate the nature of the error), or Z\_STREAM\_ERROR if the stream was not properly initialized. In the case of Z\_BUF\_ERROR, an input or output error can be distinguished using strm->next\_in which will be Z\_NULL only if in() returned an error. If strm->next\_in is not Z\_NULL, then the Z\_BUF\_ERROR was due to out() returning non-zero. (in() will always be called before out(), so strm->next\_in is assured to be defined if out() returns non-zero.) Note that inflateBack() cannot return Z\_OK.

\*/

```
ZEXTERN int ZEXPORT inflateBackEnd OF((z_streamp strm));
```

/\*

All memory allocated by inflateBackInit() is freed.

inflateBackEnd() returns Z\_OK on success, or Z\_STREAM\_ERROR if the stream state was inconsistent.

\*/

```
ZEXTERN uLong ZEXPORT zlibCompileFlags OF((void));
```

/\* Return flags indicating compile-time options.

Type sizes, two bits each, 00 = 16 bits, 01 = 32, 10 = 64, 11 = other:

1.0: size of uInt

3.2: size of uLong

5.4: size of voidpf (pointer)

7.6: size of z\_off\_t

Compiler, assembler, and debug options:

8: DEBUG

9: ASMV or ASMINF -- use ASM code

10: ZLIB\_WINAPI -- exported functions use the WINAPI calling convention

11: 0 (reserved)

One-time table building (smaller code, but not thread-safe if true):

12: BUILDFIXED -- build static block decoding tables when needed

13: DYNAMIC\_CRC\_TABLE -- build CRC calculation tables when needed

14,15: 0 (reserved)

Library content (indicates missing functionality):

16: NO\_GZCOMPRESS -- gz\* functions cannot compress (to avoid linking deflate code when not needed)

17: NO\_GZIP -- deflate can't write gzip streams, and inflate can't detect and decode gzip streams (to avoid linking crc code)

18-19: 0 (reserved)

Operation variations (changes in library functionality):

20: PKZIP\_BUG\_WORKAROUND -- slightly more permissive inflate

21: FASTEST -- deflate algorithm with only one, lowest compression level

22,23: 0 (reserved)

The sprintf variant used by gzprintf (zero is best):

24: 0 = vs\*, 1 = s\* -- 1 means limited to 20 arguments after the format

25: 0 = \*nprintf, 1 = \*printf -- 1 means gzprintf() not secure!

26: 0 = returns value, 1 = void -- 1 means inferred string length returned

Remainder:

27-31: 0 (reserved)

\*/

```
#ifndef Z_SOLO
```

```
    /* utility functions */
```

```
/*
```

```
    The following utility functions are implemented on top of the basic stream-oriented functions. To simplify the interface, some default options are assumed (compression level and memory usage, standard memory allocation functions). The source code of these utility functions can be modified if you need special options.
```

```
*/
```

```
ZEXTERN int ZEXPORT compress OF((Bytef *dest, uLongf *destLen, const Bytef *source, uLong sourceLen));
```

```
/*
```

```
    Compresses the source buffer into the destination buffer. sourceLen is
```



the byte length of the source buffer. Upon entry, destLen is the total size of the destination buffer, which must be at least the value returned by compressBound(sourceLen). Upon exit, destLen is the actual size of the compressed buffer.

compress returns Z\_OK if success, Z\_MEM\_ERROR if there was not enough memory, Z\_BUF\_ERROR if there was not enough room in the output buffer.

\*/

```
ZEXTERN int ZEXPORT compress2 OF((Bytef *dest, uLongf *destLen,
                                const Bytef *source, uLong sourceLen,
                                int level));
```

/\*

Compresses the source buffer into the destination buffer. The level parameter has the same meaning as in deflateInit. sourceLen is the byte length of the source buffer. Upon entry, destLen is the total size of the destination buffer, which must be at least the value returned by compressBound(sourceLen). Upon exit, destLen is the actual size of the compressed buffer.

compress2 returns Z\_OK if success, Z\_MEM\_ERROR if there was not enough memory, Z\_BUF\_ERROR if there was not enough room in the output buffer, Z\_STREAM\_ERROR if the level parameter is invalid.

\*/

```
ZEXTERN uLong ZEXPORT compressBound OF((uLong sourceLen));
```

/\*

compressBound() returns an upper bound on the compressed size after compress() or compress2() on sourceLen bytes. It would be used before a compress() or compress2() call to allocate the destination buffer.

\*/

```
ZEXTERN int ZEXPORT uncompress OF((Bytef *dest, uLongf *destLen,
                                   const Bytef *source, uLong sourceLen));
```

/\*

Decompresses the source buffer into the destination buffer. sourceLen is the byte length of the source buffer. Upon entry, destLen is the total size of the destination buffer, which must be large enough to hold the entire uncompressed data. (The size of the uncompressed data must have been saved previously by the compressor and transmitted to the decompressor by some mechanism outside the scope of this compression library.) Upon exit, destLen is the actual size of the uncompressed buffer.

uncompress returns Z\_OK if success, Z\_MEM\_ERROR if there was not enough memory, Z\_BUF\_ERROR if there was not enough room in the output buffer, or Z\_DATA\_ERROR if the input data was corrupted or incomplete. In the case where there is not enough room, uncompress() will fill the output

buffer with the uncompressed data up to that point.

\*/

```
/* gzip file access functions */
```

/\*

This library supports reading and writing files in gzip (.gz) format with an interface similar to that of stdio, using the functions that start with "gz". The gzip format is different from the zlib format. gzip is a gzip wrapper, documented in RFC 1952, wrapped around a deflate stream.

\*/

```
typedef struct gzFile_s *gzFile; /* semi-opaque gzip file descriptor */
```

/\*

```
ZEXTERN gzFile ZEXPORT gzopen OF((const char *path, const char *mode));
```

Opens a gzip (.gz) file for reading or writing. The mode parameter is as in fopen ("rb" or "wb") but can also include a compression level ("wb9") or a strategy: 'f' for filtered data as in "wb6f", 'h' for Huffman-only compression as in "wb1h", 'R' for run-length encoding as in "wb1R", or 'F' for fixed code compression as in "wb9F". (See the description of deflateInit2 for more information about the strategy parameter.) 'T' will request transparent writing or appending with no compression and not using the gzip format.

"a" can be used instead of "w" to request that the gzip stream that will be written be appended to the file. "+" will result in an error, since reading and writing to the same gzip file is not supported. The addition of "x" when writing will create the file exclusively, which fails if the file already exists. On systems that support it, the addition of "e" when reading or writing will set the flag to close the file on an execve() call.

These functions, as well as gzip, will read and decode a sequence of gzip streams in a file. The append function of gzopen() can be used to create such a file. (Also see gzflush() for another way to do this.) When appending, gzopen does not test whether the file begins with a gzip stream, nor does it look for the end of the gzip streams to begin appending. gzopen will simply append a gzip stream to the existing file.

gzopen can be used to read a file which is not in gzip format; in this case gzread will directly read from the file without decompression. When reading, this will be detected automatically by looking for the magic two-byte gzip header.

gzopen returns NULL if the file could not be opened, if there was insufficient memory to allocate the gzFile state, or if an invalid mode was specified (an 'r', 'w', or 'a' was not provided, or '+' was provided).

errno can be checked to determine if the reason gzopen failed was that the file could not be opened.

\*/

```
ZEXTERN gzFile ZEXPORT gzdopen OF((int fd, const char *mode));
```

/\*

gzdopen associates a gzFile with the file descriptor fd. File descriptors are obtained from calls like open, dup, creat, pipe or fileno (if the file has been previously opened with fopen). The mode parameter is as in gzopen.

The next call of gzclose on the returned gzFile will also close the file descriptor fd, just like fclose(fdopen(fd, mode)) closes the file descriptor fd. If you want to keep fd open, use fd = dup(fd\_keep); gz = gzdopen(fd, mode);. The duplicated descriptor should be saved to avoid a leak, since gzdopen does not close fd if it fails. If you are using fileno() to get the file descriptor from a FILE \*, then you will have to use dup() to avoid double-close()ing the file descriptor. Both gzclose() and fclose() will close the associated file descriptor, so they need to have different file descriptors.

gzdopen returns NULL if there was insufficient memory to allocate the gzFile state, if an invalid mode was specified (an 'r', 'w', or 'a' was not provided, or '+' was provided), or if fd is -1. The file descriptor is not used until the next gz\* read, write, seek, or close operation, so gzdopen will not detect if fd is invalid (unless fd is -1).

\*/

```
ZEXTERN int ZEXPORT gzbuffer OF((gzFile file, unsigned size));
```

/\*

Set the internal buffer size used by this library's functions. The default buffer size is 8192 bytes. This function must be called after gzopen() or gzdopen(), and before any other calls that read or write the file. The buffer memory allocation is always deferred to the first read or write. Two buffers are allocated, either both of the specified size when writing, or one of the specified size and the other twice that size when reading. A larger buffer size of, for example, 64K or 128K bytes will noticeably increase the speed of decompression (reading).

The new buffer size also affects the maximum length for gzprintf().

gzbuffer() returns 0 on success, or -1 on failure, such as being called too late.

\*/

```
ZEXTERN int ZEXPORT gzsetparams OF((gzFile file, int level, int strategy));
```

/\*

Dynamically update the compression level or strategy. See the description of deflateInit2 for the meaning of these parameters.

gzsetparams returns Z\_OK if success, or Z\_STREAM\_ERROR if the file was not opened for writing.

\*/

```
ZEXTERN int ZEXPORT gzread OF((gzFile file, voidp buf, unsigned len));
```

/\*

Reads the given number of uncompressed bytes from the compressed file. If the input file is not in gzip format, gzread copies the given number of bytes into the buffer directly from the file.

After reaching the end of a gzip stream in the input, gzread will continue to read, looking for another gzip stream. Any number of gzip streams may be concatenated in the input file, and will all be decompressed by gzread(). If something other than a gzip stream is encountered after a gzip stream, that remaining trailing garbage is ignored (and no error is returned).

gzread can be used to read a gzip file that is being concurrently written. Upon reaching the end of the input, gzread will return with the available data. If the error code returned by gzerror is Z\_OK or Z\_BUF\_ERROR, then gzclearerr can be used to clear the end of file indicator in order to permit gzread to be tried again. Z\_OK indicates that a gzip stream was completed on the last gzread. Z\_BUF\_ERROR indicates that the input file ended in the middle of a gzip stream. Note that gzread does not return -1 in the event of an incomplete gzip stream. This error is deferred until gzclose(), which will return Z\_BUF\_ERROR if the last gzread ended in the middle of a gzip stream. Alternatively, gzerror can be used before gzclose to detect this case.

gzread returns the number of uncompressed bytes actually read, less than len for end of file, or -1 for error.

\*/

```
ZEXTERN int ZEXPORT gzwrite OF((gzFile file,
                                voidpc buf, unsigned len));
```

/\*

Writes the given number of uncompressed bytes into the compressed file. gzwrite returns the number of uncompressed bytes written or 0 in case of error.

\*/

```
ZEXTERN int ZEXPORTVA gzprintf Z_ARG((gzFile file, const char *format, ...));
```

/\*

Converts, formats, and writes the arguments to the compressed file under control of the format string, as in fprintf. gzprintf returns the number of uncompressed bytes actually written, or 0 in case of error. The number of uncompressed bytes written is limited to 8191, or one less than the buffer size given to gzbuffer(). The caller should assure that this limit is not

exceeded. If it is exceeded, then `gzprintf()` will return an error (0) with nothing written. In this case, there may also be a buffer overflow with unpredictable consequences, which is possible only if `zlib` was compiled with the insecure functions `sprintf()` or `vsprintf()` because the secure `snprintf()` or `vsnprintf()` functions were not available. This can be determined using `zlibCompileFlags()`.

\*/

```
ZEXTERN int ZEXPORT gzputs OF((gzFile file, const char *s));
```

/\*

Writes the given null-terminated string to the compressed file, excluding the terminating null character.

`gzputs` returns the number of characters written, or -1 in case of error.

\*/

```
ZEXTERN char * ZEXPORT gzgets OF((gzFile file, char *buf, int len));
```

/\*

Reads bytes from the compressed file until `len-1` characters are read, or a newline character is read and transferred to `buf`, or an end-of-file condition is encountered. If any characters are read or if `len == 1`, the string is terminated with a null character. If no characters are read due to an end-of-file or `len < 1`, then the buffer is left untouched.

`gzgets` returns `buf` which is a null-terminated string, or it returns `NULL` for end-of-file or in case of error. If there was an error, the contents at `buf` are indeterminate.

\*/

```
ZEXTERN int ZEXPORT gzputc OF((gzFile file, int c));
```

/\*

Writes `c`, converted to an unsigned char, into the compressed file. `gzputc` returns the value that was written, or -1 in case of error.

\*/

```
ZEXTERN int ZEXPORT gzgetc OF((gzFile file));
```

/\*

Reads one byte from the compressed file. `gzgetc` returns this byte or -1 in case of end of file or error. This is implemented as a macro for speed. As such, it does not do all of the checking the other functions do. I.e. it does not check to see if `file` is `NULL`, nor whether the structure `file` points to has been clobbered or not.

\*/

```
ZEXTERN int ZEXPORT gzungetc OF((int c, gzFile file));
```

/\*

Push one character back onto the stream to be read as the first character on the next read. At least one character of push-back is allowed.

gzungetc() returns the character pushed, or -1 on failure. gzungetc() will fail if c is -1, and may fail if a character has been pushed but not read yet. If gzungetc is used immediately after gzopen or gzopen, at least the output buffer size of pushed characters is allowed. (See gzbuffer above.) The pushed character will be discarded if the stream is repositioned with gzseek() or gzrewind().

\*/

```
ZEXTERN int ZEXPORT gzflush OF((gzFile file, int flush));
```

/\*

Flushes all pending output into the compressed file. The parameter flush is as in the deflate() function. The return value is the zlib error number (see function gzerror below). gzflush is only permitted when writing.

If the flush parameter is Z\_FINISH, the remaining data is written and the gzip stream is completed in the output. If gzwrite() is called again, a new gzip stream will be started in the output. gzread() is able to read such concatenated gzip streams.

gzflush should be called only when strictly necessary because it will degrade compression if called too often.

\*/

/\*

```
ZEXTERN z_off_t ZEXPORT gzseek OF((gzFile file,  
z_off_t offset, int whence));
```

Sets the starting position for the next gzread or gzwrite on the given compressed file. The offset represents a number of bytes in the uncompressed data stream. The whence parameter is defined as in lseek(2); the value SEEK\_END is not supported.

If the file is opened for reading, this function is emulated but can be extremely slow. If the file is opened for writing, only forward seeks are supported; gzseek then compresses a sequence of zeroes up to the new starting position.

gzseek returns the resulting offset location as measured in bytes from the beginning of the uncompressed stream, or -1 in case of error, in particular if the file is opened for writing and the new starting position would be before the current position.

\*/

```
ZEXTERN int ZEXPORT gzrewind OF((gzFile file));
```

/\*

Rewinds the given file. This function is supported only for reading.

gzrewind(file) is equivalent to (int)gzseek(file, 0L, SEEK\_SET)

\*/

/\*

ZEXTERN z\_off\_t ZEXPORT gztell OF((gzFile file));

Returns the starting position for the next gzread or gzwrite on the given compressed file. This position represents a number of bytes in the uncompressed data stream, and is zero when starting, even if appending or reading a gzip stream from the middle of a file using gzdopen().

gztell(file) is equivalent to gzseek(file, 0L, SEEK\_CUR)

\*/

/\*

ZEXTERN z\_off\_t ZEXPORT gzoffset OF((gzFile file));

Returns the current offset in the file being read or written. This offset includes the count of bytes that precede the gzip stream, for example when appending or when using gzdopen() for reading. When reading, the offset does not include as yet unused buffered input. This information can be used for a progress indicator. On error, gzoffset() returns -1.

\*/

ZEXTERN int ZEXPORT gzeof OF((gzFile file));

/\*

Returns true (1) if the end-of-file indicator has been set while reading, false (0) otherwise. Note that the end-of-file indicator is set only if the read tried to go past the end of the input, but came up short. Therefore, just like feof(), gzeof() may return false even if there is no more data to read, in the event that the last read request was for the exact number of bytes remaining in the input file. This will happen if the input file size is an exact multiple of the buffer size.

If gzeof() returns true, then the read functions will return no more data, unless the end-of-file indicator is reset by gzclearerr() and the input file has grown since the previous end of file was detected.

\*/

ZEXTERN int ZEXPORT gzdirect OF((gzFile file));

/\*

Returns true (1) if file is being copied directly while reading, or false (0) if file is a gzip stream being decompressed.

If the input file is empty, gzdirect() will return true, since the input does not contain a gzip stream.

If gzdirect() is used immediately after gzopen() or gzdopen() it will cause buffers to be allocated to allow reading the file to determine if it

is a gzip file. Therefore if gzbuffer() is used, it should be called before gzdirect().

When writing, gzdirect() returns true (1) if transparent writing was requested ("wT" for the gzopen() mode), or false (0) otherwise. (Note: gzdirect() is not needed when writing. Transparent writing must be explicitly requested, so the application already knows the answer. When linking statically, using gzdirect() will include all of the zlib code for gzip file reading and decompression, which may not be desired.)

\*/

```
ZEXTERN int ZEXPORT gzclose OF((gzFile file));
```

/\*

Flushes all pending output if necessary, closes the compressed file and deallocates the (de)compression state. Note that once file is closed, you cannot call gzerror with file, since its structures have been deallocated. gzclose must not be called more than once on the same file, just as free must not be called more than once on the same allocation.

gzclose will return Z\_STREAM\_ERROR if file is not valid, Z\_ERRNO on a file operation error, Z\_MEM\_ERROR if out of memory, Z\_BUF\_ERROR if the last read ended in the middle of a gzip stream, or Z\_OK on success.

\*/

```
ZEXTERN int ZEXPORT gzclose_r OF((gzFile file));
```

```
ZEXTERN int ZEXPORT gzclose_w OF((gzFile file));
```

/\*

Same as gzclose(), but gzclose\_r() is only for use when reading, and gzclose\_w() is only for use when writing or appending. The advantage to using these instead of gzclose() is that they avoid linking in zlib compression or decompression code that is not used when only reading or only writing respectively. If gzclose() is used, then both compression and decompression code will be included the application when linking to a static zlib library.

\*/

```
ZEXTERN const char * ZEXPORT gzerror OF((gzFile file, int *errnum));
```

/\*

Returns the error message for the last error which occurred on the given compressed file. errnum is set to zlib error number. If an error occurred in the file system and not in the compression library, errnum is set to Z\_ERRNO and the application may consult errno to get the exact error code.

The application must not modify the returned string. Future calls to this function may invalidate the previously returned string. If file is closed, then the string previously returned by gzerror will no longer be available.



gzerror() should be used to distinguish errors from end-of-file for those functions above that do not distinguish those cases in their return values.

\*/

```
ZEXTERN void ZEXPORT gzclearerr OF((gzFile file));
```

/\*

Clears the error and end-of-file flags for file. This is analogous to the clearerr() function in stdio. This is useful for continuing to read a gzip file that is being written concurrently.

\*/

```
#endif /* !Z_SOLO */
```

```
/* checksum functions */
```

/\*

These functions are not related to compression but are exported anyway because they might be useful in applications using the compression library.

\*/

```
ZEXTERN uLong ZEXPORT Adler32 OF((uLong Adler, const Bytef *buf, uInt len));
```

/\*

Update a running Adler-32 checksum with the bytes buf[0..len-1] and return the updated checksum. If buf is Z\_NULL, this function returns the required initial value for the checksum.

An Adler-32 checksum is almost as reliable as a CRC32 but can be computed much faster.

Usage example:

```
uLong Adler = Adler32(0L, Z_NULL, 0);
```

```
while (read_buffer(buffer, length) != EOF) {
```

```
    Adler = Adler32(Adler, buffer, length);
```

```
}
```

```
if (Adler != original_Adler) error();
```

\*/

/\*

```
ZEXTERN uLong ZEXPORT Adler32_combine OF((uLong Adler1, uLong Adler2,
                                           z_off_t len2));
```

Combine two Adler-32 checksums into one. For two sequences of bytes, seq1 and seq2 with lengths len1 and len2, Adler-32 checksums were calculated for each, Adler1 and Adler2. Adler32\_combine() returns the Adler-32 checksum of seq1 and seq2 concatenated, requiring only Adler1, Adler2, and len2. Note

that the `z_off_t` type (like `off_t`) is a signed integer. If `len2` is negative, the result has no meaning or utility.

\*/

```
ZEXTERN uLong ZEXPORT crc32 OF((uLong crc, const Bytef *buf, uInt len));
```

/\*

Update a running CRC-32 with the bytes `buf[0..len-1]` and return the updated CRC-32. If `buf` is `Z_NULL`, this function returns the required initial value for the crc. Pre- and post-conditioning (one's complement) is performed within this function so it shouldn't be done by the application.

Usage example:

```
uLong crc = crc32(0L, Z_NULL, 0);
```

```
while (read_buffer(buffer, length) != EOF) {  
    crc = crc32(crc, buffer, length);  
}  
if (crc != original_crc) error();
```

\*/

/\*

```
ZEXTERN uLong ZEXPORT crc32_combine OF((uLong crc1, uLong crc2, z_off_t len2));
```

Combine two CRC-32 check values into one. For two sequences of bytes, `seq1` and `seq2` with lengths `len1` and `len2`, CRC-32 check values were calculated for each, `crc1` and `crc2`. `crc32_combine()` returns the CRC-32 check value of `seq1` and `seq2` concatenated, requiring only `crc1`, `crc2`, and `len2`.

\*/

```
/* various hacks, don't look :) */
```

```
/* deflateInit and inflateInit are macros to allow checking the zlib version
```

```
 * and the compiler's view of z_stream:
```

\*/

```
ZEXTERN int ZEXPORT deflateInit_ OF((z_streamp strm, int level,  
                                     const char *version, int stream_size));
```

```
ZEXTERN int ZEXPORT inflateInit_ OF((z_streamp strm,  
                                     const char *version, int stream_size));
```

```
ZEXTERN int ZEXPORT deflateInit2_ OF((z_streamp strm, int level, int method,  
                                     int windowBits, int memLevel,  
                                     int strategy, const char *version,  
                                     int stream_size));
```

```
ZEXTERN int ZEXPORT inflateInit2_ OF((z_streamp strm, int windowBits,  
                                     const char *version, int stream_size));
```

```
ZEXTERN int ZEXPORT inflateBackInit_ OF((z_streamp strm, int windowBits,
```

```

        unsigned char FAR *window,
        const char *version,
        int stream_size);
#define deflateInit(strm, level) \
    deflateInit_((strm), (level), ZLIB_VERSION, (int)sizeof(z_stream))
#define inflateInit(strm) \
    inflateInit_((strm), ZLIB_VERSION, (int)sizeof(z_stream))
#define deflateInit2(strm, level, method, windowBits, memLevel, strategy) \
    deflateInit2_((strm),(level),(method),(windowBits),(memLevel),\
        (strategy), ZLIB_VERSION, (int)sizeof(z_stream))
#define inflateInit2(strm, windowBits) \
    inflateInit2_((strm), (windowBits), ZLIB_VERSION, \
        (int)sizeof(z_stream))
#define inflateBackInit(strm, windowBits, window) \
    inflateBackInit_((strm), (windowBits), (window), \
        ZLIB_VERSION, (int)sizeof(z_stream))

#ifndef Z_SOLO

/* gzgetc() macro and its supporting function and exposed data structure. Note
 * that the real internal state is much larger than the exposed structure.
 * This abbreviated structure exposes just enough for the gzgetc() macro. The
 * user should not mess with these exposed elements, since their names or
 * behavior could change in the future, perhaps even capriciously. They can
 * only be used by the gzgetc() macro. You have been warned.
 */
struct gzFile_s {
    unsigned have;
    unsigned char *next;
    z_off64_t pos;
};
ZEXTERN int ZEXPORT gzgetc_OF((gzFile file)); /* backward compatibility */
#ifdef Z_PREFIX_SET
# undef z_gzgetc
# define z_gzgetc(g) \
    ((g)->have ? ((g)->have--, (g)->pos++, *((g)->next)++) : gzgetc(g))
#else
# define gzgetc(g) \
    ((g)->have ? ((g)->have--, (g)->pos++, *((g)->next)++) : gzgetc(g))
#endif

/* provide 64-bit offset functions if _LARGEFILE64_SOURCE defined, and/or
 * change the regular functions to 64 bits if _FILE_OFFSET_BITS is 64 (if
 * both are true, the application gets the *64 functions, and the regular
 * functions are changed to 64 bits) -- in case these are set on systems
 * without large file support, _LFS64_LARGEFILE must also be true
 */
#ifdef Z_LARGE64

```

```

ZEXTERN gzFile ZEXPORT gzopen64 OF((const char *, const char *));
ZEXTERN z_off64_t ZEXPORT gzseek64 OF((gzFile, z_off64_t, int));
ZEXTERN z_off64_t ZEXPORT gztell64 OF((gzFile));
ZEXTERN z_off64_t ZEXPORT gzoffset64 OF((gzFile));
ZEXTERN uLong ZEXPORT Adler32_combine64 OF((uLong, uLong, z_off64_t));
ZEXTERN uLong ZEXPORT crc32_combine64 OF((uLong, uLong, z_off64_t));
#endif

#if !defined(ZLIB_INTERNAL) && defined(Z_WANT64)
# ifdef Z_PREFIX_SET
#  define z_gzopen z_gzopen64
#  define z_gzseek z_gzseek64
#  define z_gztell z_gztell64
#  define z_gzoffset z_gzoffset64
#  define z_adler32_combine z_adler32_combine64
#  define z_crc32_combine z_crc32_combine64
# else
#  define gzopen gzopen64
#  define gzseek gzseek64
#  define gztell gztell64
#  define gzoffset gzoffset64
#  define Adler32_combine Adler32_combine64
#  define crc32_combine crc32_combine64
# endif
# ifndef Z_LARGE64
ZEXTERN gzFile ZEXPORT gzopen64 OF((const char *, const char *));
ZEXTERN z_off_t ZEXPORT gzseek64 OF((gzFile, z_off_t, int));
ZEXTERN z_off_t ZEXPORT gztell64 OF((gzFile));
ZEXTERN z_off_t ZEXPORT gzoffset64 OF((gzFile));
ZEXTERN uLong ZEXPORT Adler32_combine64 OF((uLong, uLong, z_off_t));
ZEXTERN uLong ZEXPORT crc32_combine64 OF((uLong, uLong, z_off_t));
# endif
#else
ZEXTERN gzFile ZEXPORT gzopen OF((const char *, const char *));
ZEXTERN z_off_t ZEXPORT gzseek OF((gzFile, z_off_t, int));
ZEXTERN z_off_t ZEXPORT gztell OF((gzFile));
ZEXTERN z_off_t ZEXPORT gzoffset OF((gzFile));
ZEXTERN uLong ZEXPORT Adler32_combine OF((uLong, uLong, z_off_t));
ZEXTERN uLong ZEXPORT crc32_combine OF((uLong, uLong, z_off_t));
#endif

#else /* Z_SOLO */

ZEXTERN uLong ZEXPORT Adler32_combine OF((uLong, uLong, z_off_t));
ZEXTERN uLong ZEXPORT crc32_combine OF((uLong, uLong, z_off_t));

#endif /* !Z_SOLO */

```

```

/* hack for buggy compilers */
#if !defined(ZUTIL_H) && !defined(NO_DUMMY_DECL)
    struct internal_state {int dummy;};
#endif

/* undocumented functions */
ZEXTERN const char * ZEXPORT zError      OF((int));
ZEXTERN int        ZEXPORT inflateSyncPoint OF((z_streamp));
ZEXTERN const z_crc_t FAR * ZEXPORT get_crc_table  OF((void));
ZEXTERN int        ZEXPORT inflateUndermine OF((z_streamp, int));
ZEXTERN int        ZEXPORT inflateResetKeep OF((z_streamp));
ZEXTERN int        ZEXPORT deflateResetKeep OF((z_streamp));
#if defined(_WIN32) && !defined(Z_SOLO)
ZEXTERN gzFile     ZEXPORT gzopen_w OF((const wchar_t *path,
                                     const char *mode));
#endif

#ifdef __cplusplus
}
#endif

#endif /* ZLIB_H */

```

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