# DragonFlyBSD - Bug #1929

## Panic on nightly build system

12/04/2010 09:59 AM - lentferj

| | | | | |
|---|---|---|---|---|
| **Status:** | New | | **Start date:** | |
| **Priority:** | Normal | | **Due date:** | |
| **Assignee:** | | | **% Done:** | 0% |
| **Category:** | | | **Estimated time:** | 0.00 hour |
| **Target version:** | | | | |

### Description

dfbench.lan.net dumped core - see /var/crash/vmcore.5

Sat Dec  4 10:27:01 CET 2010

Version String: DragonFly v2.9.1.168.gb8d29-DEVELOPMENT [#51](): Sat Dec 4
04:37:37 CET 2010 root@dfbench.lan.net:/usr/obj/usr/src/sys/GENERIC_SMP

panic: from debugger

GNU gdb (GDB) 7.0
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<http://gnu.org/licenses/gpl.html>
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.  Type "show copying"
and "show warranty" for details.
This GDB was configured as "i386-dragonfly".
For bug reporting instructions, please see:
<http://bugs.dragonflybsd.org/&gt;...
Reading symbols from /boot/kernel/kernel...done.

Unread portion of the kernel message buffer:
panic: td_critcount is/would-go negative! 0xcf8f3ed8 -1
mp_lock = 00000000; cpuid = 0
Trace beginning at frame 0xcfccab08
panic(ffffffff) at panic+0x174
panic(c0624e4c,cf8f3ed8,ffffffff,cfccab40,c032759b) at panic+0x174
lwkt_remove_tdallq(cfccabf0,c035fdcd,c069a7e0,c069a7e0,1b32) at
lwkt_remove_tdallq
crit_exit_wrapper(c069a7e0,c069a7e0) at crit_exit_wrapper+0x1c
kern_sendfile(cf78e2b8,8,0,0,1b32) at kern_sendfile+0x391
sys_sendfile(cfccacf0,1e81,0,c06933cc,202) at sys_sendfile+0x1c4
syscall2(cfccad40) at syscall2+0x2b0
Xint0x80_syscall() at Xint0x80_syscall+0x36
Debugger("panic")

CPU0 stopping CPUs: 0x00000002
stopped
panic: from debugger
mp_lock = 00000000; cpuid = 0
boot() called on cpu#0
Uptime: 1h44m39s
Physical memory: 759 MB
Dumping 78 MB: 63 47 31 15

Reading symbols from /boot/kernel/acpi.ko...done.
Loaded symbols for /boot/kernel/acpi.ko
Reading symbols from /boot/kernel/ahci.ko...done.
Loaded symbols for /boot/kernel/ahci.ko
Reading symbols from /boot/kernel/ehci.ko...done.
Loaded symbols for /boot/kernel/ehci.ko
_get_mycpu (di=0xc0704300) at ./machine/thread.h:83

```
83      __asm ("movl %%fs:globaldata,%0" : "=r" (gd) : "m"(__mycpu__dummy));
(kgdb) #0  _get_mycpu (di=0xc0704300) at ./machine/thread.h:83
#1  md_dumpsys (di=0xc0704300)
at /usr/src/sys/platform/pc32/i386/dump_machdep.c:263
#2  0xc031dede in dumpsys () at /usr/src/sys/kern/kern_shutdown.c:882
#3  0xc031e49e in boot (howto=260) at /usr/src/sys/kern/kern_shutdown.c:388
#4  0xc031e776 in panic (fmt=0xc05cbab5 "from debugger")
at /usr/src/sys/kern/kern_shutdown.c:788
#5  0xc017bc09 in db_panic (addr=-1068086144, have_addr=0, count=-1,
modif=0xcfcca9bc "") at /usr/src/sys/ddb/db_command.c:448
#6  0xc017c27e in db_command () at /usr/src/sys/ddb/db_command.c:344
#7  db_command_loop () at /usr/src/sys/ddb/db_command.c:470
#8  0xc017e910 in db_trap (type=3, code=0) at /usr/src/sys/ddb/db_trap.c:71
#9  0xc0564e84 in kdb_trap (type=3, code=0, regs=0xcfccaab8)
at /usr/src/sys/platform/pc32/i386/db_interface.c:152
#10  0xc057e797 in trap (frame=0xcfccaab8)
at /usr/src/sys/platform/pc32/i386/trap.c:831
#11  0xc0566207 in calltrap ()
at /usr/src/sys/platform/pc32/i386/exception.s:785
#12  0xc0564c80 in breakpoint (msg=0xc05e408c "panic") at ./cpu/cpufunc.h:73
#13  Debugger (msg=0xc05e408c "panic")
at /usr/src/sys/platform/pc32/i386/db_interface.c:334
#14  0xc031e76d in panic (
fmt=0xc0624e4c "td_critcount is/would-go negative! %p %d")
at /usr/src/sys/kern/kern_shutdown.c:786
#15  0xc0326e81 in crit_panic () at /usr/src/sys/kern/lwkt_thread.c:1712
#16  0xc032759b in _crit_exit_noyield () at /usr/src/sys/sys/thread2.h:174
#17  _crit_exit_quick () at /usr/src/sys/sys/thread2.h:182
#18  _crit_exit () at /usr/src/sys/sys/thread2.h:190
#19  crit_exit_wrapper () at /usr/src/sys/kern/lwkt_thread.c:1702
#20  0xc035fdcd in kern_sendfile (vp=0xcf78e2b8, sfd=8, offset=0,
nbytes=6962,
mheader=0xcfb29200, sbytes=0xcfccac34, flags=0)
at /usr/src/sys/kern/uipc_syscalls.c:1659
#21  0xc0360661 in sys_sendfile (uap=0xcfccacf0)
at /usr/src/sys/kern/uipc_syscalls.c:1513
#22  0xc057eecb in syscall2 (frame=0xcfccad40)
at /usr/src/sys/platform/pc32/i386/trap.c:1336
#23  0xc05662b6 in Xint0x80_syscall ()
at /usr/src/sys/platform/pc32/i386/exception.s:876
#24  0x0000001f in ?? ()
Backtrace stopped: previous frame inner to this frame (corrupt stack?)
(kgdb) (kgdb)
Token          flags      collisions  owner     stallpc
pmap_token     0x00000000      0 not held
dev_token      0x00000000      0 not held
vm_token       0x00000000   5497 not held
vmspace_token  0x00000000      0 not held
kvm_token      0x00000000      0 not held
proc_token     0x00000000      0 not held
tty_token      0x00000000   1895 not held
vnode_token    0x00000000      0 not held
vmobj_token    0x00000000      0 not held
(kgdb)
cpu  pid   thread   flags comm          wchan     wmesg
0   -1 ff800524 00000000 idle_0          00000000
0    0 c06e5940 00020080 swapper         c0765bc0 nowork
0   -1 c0702220 00010400 ithread emerg    00000000
0   -1 c06e6bc4 00010400 ithread 0        00000000
0   -1 c07124f4 00010402 softclock 0      00000000
0   -1 c06f5474 00010400 ithread 68       00000000
0   -1 c0707c64 00000400 dsched 0         00000000
0   -1 c07047c0 00000400 usched 0         00000000
0   -1 ccdef758 00040600 devfs_msg_core   00000000 waitport
0   -1 ccdefa98 00040600 disk_msg_core    00000000 waitport
0   -1 c072d960 00040400 netisr_cpu 0     00000000 waitport
0   -1 c0728280 00040400 ifnet 0          00000000 waitport
```

```
0   -1 ccdefdd8 00020680 taskq_cpu 0        c22a1fd0 tqthr
0   -1 ccdf0458 00020680 firmware taskq     c22a2030 tqthr
0   -1 ccdf0798 04020e80 crypto 0           c0778720 crypto_wait
0   -1 ccdf0e18 00020e80 crypto returns     c0778aa0 crypto_ret_wait
0   -1 c06f57e0 00010400 ithread 69         00000000
0   -1 ccdf1158 00020e80 xpt_thrd           c06cd914 ccb_scanq
0   -1 c06f5108 00010400 ithread 67         00000000
0   -1 ccdf1498 00040e00 acpi_task          00000000 waitport
0   -1 c06e8a90 00010400 ithread 9          00000000
0   -1 c06e6f30 00010400 ithread 1          00000000
0   -1 c06e94d4 00010400 ithread 12         00000000
0   -1 c06e804c 00010400 ithread 6          00000000
0   -1 c06e9bac 00010400 ithread 14         00000000
0   -1 c06e9f18 00010400 ithread 15         00000000
0   -1 c06e729c 00010400 ithread 2          00000000
0   -1 ccdf17d8 00020e80 usb0              cd0b9560 usbevt
0   -1 ccdf1b18 00020e80 usbtask-hc         c0775100 usbtsk
0   -1 ccdf1e58 00020e80 usbtask-dr         c0775114 usbtsk
0   -1 c06f46c4 00010400 ithread 64         00000000
0   -1 c06e7974 00010400 ithread 4          00000000
0   -1 ccdf2198 00020680 random            ccdf2198 rwait
0   -1 ccdf24d8 00040600 rtable_cpu 0       00000000 waitport
0   -1 ccdf31d8 00020680 hammer-M           cd5500ec hmrwwa
0   -1 ccdf3518 00020680 hammer-S0          c2590578 hmrssw
0   -1 ccdf3858 00020680 hammer-S1          c25907b8 hmrssw
0   -1 ccdf3b98 00020680 hammer-S2          c25909f8 hmrssw
0   -1 ccdf3ed8 00020680 hammer-S3          c2590c38 hmrssw
0   -1 ccdf4218 00020f80 pagedaemon         c0774e6c psleep
0   -1 ccdf4558 00020f80 swapcached         c0774ee0 csleep
0   -1 ccdf4898 00020e80 vmdaemon           c0774ebc psleep
0   -1 ccdf4f18 00020f80 bufdaemon          c07169e4 psleep
0   -1 ccdf5258 00020f80 bufdaemon_hw       c07169e8 psleep
0   -1 ccdf5598 00020e80 syncer            c070f3f0 syncer
0   -1 ccdf58d8 00020e80 vnlru             ccdf58d8 vlruwt
0   -1 ccdf5c18 00020f80 constty d         ccdf5c18 waiting
0    1 ccdef418 00020680 init              ccda0a60 wait
0   -1 ccdf65d8 00020680 fq_dispatch_ad0    c2563e00 fq_dispatcher
0   -1 ccdf6c58 00020680 fq_balance_ad0     ccdf6c58 fq_balancer
0  694 cf8f0ad8 00820680 sshd              cfc15cf4 kqread
0  749 cf8f17d8 00820680 sh                ccda3ee0 wait
0  806 ccdf8cd8 00820680 getty             ca8240b0 ttyin
0  808 ccdf7958 00820680 getty             ca8242f0 ttyin
0  811 ccdf9698 00820680 getty             ca824650 ttyin
0  750 cf8f2198 00820680 bash              cf91ea60 wait
0  223 cf8ee718 00020680 dhclient          cf79f2f4 kqread
0  708 cf8eac98 00820680 sendmail          cfc16834 kqread
0 1120 ccdf6298 00020680 ab1.3             cfc19174 kqread
0  800 cf8f3ed8 00800603 httpd             00000000
1   -1 ff809524 00000011 idle_1            00000000
1   -1 c0712848 00010402 softclock 1       00000000
1   -1 c0707fac 00000400 dsched 1          00000000
1   -1 c0704b08 00000400 usched 1          00000000
1   -1 c072dca0 00000402 netisr_cpu 1      00000000
1   -1 c07285c0 00040400 ifnet 1           00000000 waitport
1   -1 ccdf0118 00020680 taskq_cpu 1       c22a2000 tqthr
1   -1 ccdf0ad8 04020e80 crypto 1          c0778758 crypto_wait
1   -1 ccdf2818 00040600 rtable_cpu 1      00000000 waitport
1   -1 ccdf4bd8 00020e80 pagezero          c07750c4 pgzero
1  794 cf8eb658 00820680 sendmail          cf82c6b8 piperd
1  803 ccdf7618 00840602 httpd             00000000 waitmsg
1  799 cf8f0798 00040640 httpd             00000000 waitmsg
1  805 ccdf8998 00820680 getty             ca822490 ttyin
1  807 ccdf9018 00820680 getty             ca8241d0 ttyin
1  809 ccdf7fd8 00820680 getty             ca824410 ttyin
1  810 ccdf9358 00820680 getty             ca824530 ttyin
1  812 ccdf99d8 00820680 getty             ca824770 ttyin
1  813 ccdf9d18 00820680 getty             cf7f2510 ttyin
```

```
1   737 cf8ef758 00820680 cron          cf82fc28 piperd
1   712 cf8f1158 00820680 sendmail       cf94d150 pause
1   380 ccdf5f58 00820680 syslogd        c24a08f4 kqread
1   727 cf8f1b18 00820680 cron          c07124bc nanslp
1   237 cf8ebcd8 00820680 dhclient       cf7807b4 kqread
1   796 cf8f1e58 00820680 httpd         cf786e34 kqread
1   575 cf8f0118 00820680 dntpd         c07124bc nanslp
1   802 cf8f0e18 00800602 httpd         00000000 sfpbsy
1   804 ccdf8658 00800602 httpd         00000000 sfpbsy
1   801 ccdf6918 00800602 httpd         00000000 sfpbsy
(kgdb)
cpu   curthread   wchan
0      httpd   00000000
1      idle_1   00000000
(kgdb)
Filesystem     Refs   Flags
procfs      1      0x00080000
null      7      0x00100000
msdos      0      0x00000000
nfs      0      0x00020000
devfs      2      0x00080000
ufs      1      0x00000000
hammer      1      0x00000000
cd9660      0      0x00040000
tmpfs      0      0x00000000
mfs      0      0x00000000
(kgdb) Filesystem: procfs, Refs: 1, Flags: 0x00080000
VFS ops:
$1 = {
vfs_mount = 0xc038d452 <procfs_mount>,
vfs_start = 0xc0370993 <vfs_stdstart>,
vfs_unmount = 0xc038d407 <procfs_unmount>,
vfs_root = 0xc038d507 <procfs_root>,
vfs_quotactl = 0xc037099d <vfs_stdquotactl>,
vfs_statfs = 0xc038d380 <procfs_statfs>,
vfs_sync = 0xc03709a7 <vfs_stdsync>,
vfs_vget = 0xc03709bb <vfs_stdvget>,
vfs_fhtovp = 0xc03709c5 <vfs_stdfhtovp>,
vfs_checkexp = 0xc03709cf <vfs_stdcheckexp>,
vfs_vptofh = 0xc0370989 <vfs_stdvptofh>,
vfs_init = 0xc03709d9 <vfs_stdinit>,
vfs_uninit = 0xc03709e3 <vfs_stduninit>,
vfs_extattrctl = 0xc03709ed <vfs_stdextattrctl>,
vfs_statvfs = 0xc0370a4d <vfs_stdstatvfs>
}
Filesystem: null, Refs: 7, Flags: 0x00100000
VFS ops:
$2 = {
vfs_mount = 0xc038b4b3 <nullfs_mount>,
vfs_start = 0xc0370993 <vfs_stdstart>,
vfs_unmount = 0xc038b445 <nullfs_unmount>,
vfs_root = 0xc038b415 <nullfs_root>,
vfs_quotactl = 0xc038b3f4 <nullfs_quotactl>,
vfs_statfs = 0xc038b32e <nullfs_statfs>,
vfs_sync = 0xc03709a7 <vfs_stdsync>,
vfs_vget = 0xc03709bb <vfs_stdvget>,
vfs_fhtovp = 0xc038b310 <nullfs_fhtovp>,
vfs_checkexp = 0xc038b2d0 <nullfs_checkexp>,
vfs_vptofh = 0xc038b2c0 <nullfs_vptofh>,
vfs_init = 0xc03709d9 <vfs_stdinit>,
vfs_uninit = 0xc03709e3 <vfs_stduninit>,
vfs_extattrctl = 0xc038b29c <nullfs_extattrctl>,
vfs_statvfs = 0xc0370a4d <vfs_stdstatvfs>
}
Filesystem: msdos, Refs: 0, Flags: 0x00000000
VFS ops:
$3 = {
```

vfs_mount = 0xc0393343 <msdosfs_mount>,
vfs_start = 0xc0370993 <vfs_stdstart>,
vfs_unmount = 0xc0393232 <msdosfs_unmount>,
vfs_root = 0xc039308a <msdosfs_root>,
vfs_quotactl = 0xc037099d <vfs_stdquotactl>,
vfs_statfs = 0xc03931ae <msdosfs_statfs>,
vfs_sync = 0xc0393113 <msdosfs_sync>,
vfs_vget = 0xc03709bb <vfs_stdvget>,
vfs_fhtovp = 0xc0393045 <msdosfs_fhtovp>,
vfs_checkexp = 0xc0393003 <msdosfs_checkexp>,
vfs_vptofh = 0xc0392fdc <msdosfs_vptofh>,
vfs_init = 0xc0390717 <msdosfs_init>,
vfs_uninit = 0xc038fa58 <msdosfs_uninit>,
vfs_extattrctl = 0xc03709ed <vfs_stdextattrctl>,
vfs_statvfs = 0xc0370a4d <vfs_stdstatvfs>
}
Filesystem: nfs, Refs: 0, Flags: 0x00020000
VFS ops:
$4 = {
vfs_mount = 0xc042e512 <nfs_mount>,
vfs_start = 0xc0370993 <vfs_stdstart>,
vfs_unmount = 0xc042d969 <nfs_unmount>,
vfs_root = 0xc042ec9f <nfs_root>,
vfs_quotactl = 0xc037099d <vfs_stdquotactl>,
vfs_statfs = 0xc042e9eb <nfs_statfs>,
vfs_sync = 0xc042d4ec <nfs_sync>,
vfs_vget = 0xc03709bb <vfs_stdvget>,
vfs_fhtovp = 0xc03709c5 <vfs_stdfhtovp>,
vfs_checkexp = 0xc03709cf <vfs_stdcheckexp>,
vfs_vptofh = 0xc0370989 <vfs_stdvptofh>,
vfs_init = 0xc042b1b1 <nfs_init>,
vfs_uninit = 0xc042ad1f <nfs_uninit>,
vfs_extattrctl = 0xc03709ed <vfs_stdextattrctl>,
vfs_statvfs = 0xc042e6a1 <nfs_statvfs>
}
Filesystem: devfs, Refs: 2, Flags: 0x00080000
VFS ops:
$5 = {
vfs_mount = 0xc04b05b9 <devfs_vfs_mount>,
vfs_start = 0xc0370993 <vfs_stdstart>,
vfs_unmount = 0xc04b052d <devfs_vfs_unmount>,
vfs_root = 0xc04b0765 <devfs_vfs_root>,
vfs_quotactl = 0xc037099d <vfs_stdquotactl>,
vfs_statfs = 0xc04b0496 <devfs_vfs_statfs>,
vfs_sync = 0xc03709a7 <vfs_stdsync>,
vfs_vget = 0xc04b0427 <devfs_vfs_vget>,
vfs_fhtovp = 0xc04b0454 <devfs_vfs_fhtovp>,
vfs_checkexp = 0xc03709cf <vfs_stdcheckexp>,
vfs_vptofh = 0xc04b03f0 <devfs_vfs_vptofh>,
vfs_init = 0xc03709d9 <vfs_stdinit>,
vfs_uninit = 0xc03709e3 <vfs_stduninit>,
vfs_extattrctl = 0xc03709ed <vfs_stdextattrctl>,
vfs_statvfs = 0xc0370a4d <vfs_stdstatvfs>
}
Filesystem: ufs, Refs: 1, Flags: 0x00000000
VFS ops:
$6 = {
vfs_mount = 0xc04a2a3a <ffs_mount>,
vfs_start = 0xc0370993 <vfs_stdstart>,
vfs_unmount = 0xc04a213b <ffs_unmount>,
vfs_root = 0xc04a7862 <ufs_root>,
vfs_quotactl = 0xc04a7818 <ufs_quotactl>,
vfs_statfs = 0xc04a17ca <ffs_statfs>,
vfs_sync = 0xc04a1f9d <ffs_sync>,
vfs_vget = 0xc04a1c52 <ffs_vget>,
vfs_fhtovp = 0xc04a1bf9 <ffs_fhtovp>,
vfs_checkexp = 0xc04a7822 <ufs_check_export>,

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vfs_vptofh = 0xc04a177a <ffs_vptofh>,
vfs_init = 0xc04a17ac <ffs_init>,
vfs_uninit = 0xc04a4ea3 <ufs_uninit>,
vfs_extattrctl = 0xc03709ed <vfs_stdextattrctl>,
vfs_statvfs = 0xc0370a4d <vfs_stdstatvfs>
}
Filesystem: hammer, Refs: 1, Flags: 0x00000000
VFS ops:
$7 = {
vfs_mount = 0xc04d3ca8 <hammer_vfs_mount>,
vfs_start = 0xc0370993 <vfs_stdstart>,
vfs_unmount = 0xc04d3c4b <hammer_vfs_unmount>,
vfs_root = 0xc04d39e5 <hammer_vfs_root>,
vfs_quotactl = 0xc037099d <vfs_stdquotactl>,
vfs_statfs = 0xc04d3649 <hammer_vfs_statfs>,
vfs_sync = 0xc04d39fb <hammer_vfs_sync>,
vfs_vget = 0xc04d393a <hammer_vfs_vget>,
vfs_fhtovp = 0xc04d386e <hammer_vfs_fhtovp>,
vfs_checkexp = 0xc04d380e <hammer_vfs_checkexp>,
vfs_vptofh = 0xc04d37c6 <hammer_vfs_vptofh>,
vfs_init = 0xc04d3728 <hammer_vfs_init>,
vfs_uninit = 0xc03709e3 <vfs_stduninit>,
vfs_extattrctl = 0xc03709ed <vfs_stdextattrctl>,
vfs_statvfs = 0xc04d3550 <hammer_vfs_statvfs>
}
Filesystem: cd9660, Refs: 0, Flags: 0x00040000
VFS ops:
$8 = {
vfs_mount = 0xc02f310f <cd9660_mount>,
vfs_start = 0xc0370993 <vfs_stdstart>,
vfs_unmount = 0xc02f2785 <cd9660_unmount>,
vfs_root = 0xc02f3911 <cd9660_root>,
vfs_quotactl = 0xc037099d <vfs_stdquotactl>,
vfs_statfs = 0xc02f2718 <cd9660_statfs>,
vfs_sync = 0xc03709a7 <vfs_stdsync>,
vfs_vget = 0xc02f38f7 <cd9660_vget>,
vfs_fhtovp = 0xc02f26b7 <cd9660_fhtovp>,
vfs_checkexp = 0xc02f2677 <cd9660_checkexp>,
vfs_vptofh = 0xc02f2650 <cd9660_vptofh>,
vfs_init = 0xc02f1360 <cd9660_init>,
vfs_uninit = 0xc02f106b <cd9660_uninit>,
vfs_extattrctl = 0xc03709ed <vfs_stdextattrctl>,
vfs_statvfs = 0xc0370a4d <vfs_stdstatvfs>
}
Filesystem: tmpfs, Refs: 0, Flags: 0x00000000
VFS ops:
$9 = {
vfs_mount = 0xc04dc12d <tmpfs_mount>,
vfs_start = 0xc0370993 <vfs_stdstart>,
vfs_unmount = 0xc04dbe15 <tmpfs_unmount>,
vfs_root = 0xc04dbcc5 <tmpfs_root>,
vfs_quotactl = 0xc037099d <vfs_stdquotactl>,
vfs_statfs = 0xc04dc0a9 <tmpfs_statfs>,
vfs_sync = 0xc03709a7 <vfs_stdsync>,
vfs_vget = 0xc03709bb <vfs_stdvget>,
vfs_fhtovp = 0xc04dc534 <tmpfs_fhtovp>,
vfs_checkexp = 0xc03709cf <vfs_stdcheckexp>,
vfs_vptofh = 0xc0370989 <vfs_stdvptofh>,
vfs_init = 0xc03709d9 <vfs_stdinit>,
vfs_uninit = 0xc03709e3 <vfs_stduninit>,
vfs_extattrctl = 0xc03709ed <vfs_stdextattrctl>,
vfs_statvfs = 0xc0370a4d <vfs_stdstatvfs>
}
Filesystem: mfs, Refs: 0, Flags: 0x00000000
VFS ops:
$10 = {
vfs_mount = 0xc04a3f45 <mfs_mount>,
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vfs_start = 0xc04a420d <mfs_start>,
vfs_unmount = 0xc04a213b <ffs_unmount>,
vfs_root = 0xc04a7862 <ufs_root>,
vfs_quotactl = 0xc04a7818 <ufs_quotactl>,
vfs_statfs = 0xc04a3c9e <mfs_statfs>,
vfs_sync = 0xc04a1f9d <ffs_sync>,
vfs_vget = 0xc04a1c52 <ffs_vget>,
vfs_fhtovp = 0xc04a1bf9 <ffs_fhtovp>,
vfs_checkexp = 0xc04a7822 <ufs_check_export>,
vfs_vptofh = 0xc04a177a <ffs_vptofh>,
vfs_init = 0xc04a3c94 <mfs_init>,
vfs_uninit = 0xc03709e3 <vfs_stduninit>,
vfs_extattrctl = 0xc03709ed <vfs_stdextattrctl>,
vfs_statvfs = 0xc0370a4d <vfs_stdstatvfs>
}
(kgdb) $11 = {mnt_list = {tqe_next = 0xc2590e68, tqe_prev = 0xc06a2280},
mnt_op = 0xc06b93a0, mnt_vfc = 0xc06b9360, mnt_namecache_gen = 0,
mnt_syncer = 0xc24b5338, mnt_nvnodelist = {tqh_first = 0xc24b51f8,
tqh_last = 0xc24b5384}, mnt_lock = {lk_spinlock = {lock = 0},
lk_flags = 0, lk_sharecount = 0, lk_waitcount = 0,
lk_exclusivecount = 0,
lk_unused1 = 0, lk_wmesg = 0xc05e8447 "vfslock", lk_timo = 6,
lk_lockholder = 0xffffffff}, mnt_flag = 20480, mnt_kern_flag =
138346496,
mnt_maxsymlinklen = 255, mnt_stat = {f_spare2 = 0, f_bsize = 16384,
f_iosize = 16384, f_blocks = 3141632, f_bfree = 122151, f_bavail =
122151,
f_files = 210154, f_ffree = 0, f_fsid = {val = {1516473405, 9146}},
f_owner = 0, f_type = 7, f_flags = 20480, f_syncwrites = 284159,
f_asyncwrites = 100635,
f_fstypename = "hammer\000\000\000\000\000\000\000\000\000",
f_mntonname = "/", \000' <repeats 78 times>, f_syncreads = 0,
f_asyncreads = 341345, f_spares1 = 0,
f_mntfromname = "ROOT\000/QM00001.s1d", \000' <repeats 62 times>,
f_spares2 = 0, f_spare = {0, 0}}, mnt_vstat = {f_bsize = 16384,
f_frsize = 16384, f_blocks = 3141632, f_bfree = 493862, f_bavail =
493862,
f_files = 210142, f_ffree = 0, f_favail = 0, f_fsid = 3394588430,
f_flag = 0, f_namemax = 0, f_owner = 0, f_type = 0, f_syncreads = 0,
f_syncwrites = 0, f_asyncreads = 0, f_asyncwrites = 0, f_fsid_uuid = {
time_low = 3749013522, time_mid = 21036, time_hi_and_version = 4575,
clock_seq_hi_and_reserved = 191 '\277', clock_seq_low = 30 '\036',
node = "ST\000\235~\343"}, f_uid_uuid = {time_low = 0, time_mid = 0,
time_hi_and_version = 0, clock_seq_hi_and_reserved = 0 '\000',
clock_seq_low = 0 '\000', node = "\000\000\000\000\000"}},
mnt_data = 0xcd550000, mnt_time = 0, mnt_iosize_max = 131072,
mnt_reservedvnlist = {tqh_first = 0x0, tqh_last = 0xc259050c},
mnt_nvnodelistsize = 412, mnt_vn_use_ops = 0xca823560,
mnt_vn_coherency_ops = 0x0, mnt_vn_journal_ops = 0x0,
mnt_vn_norm_ops = 0xca823560, mnt_vn_spec_ops = 0xca823680,
mnt_vn_fifo_ops = 0xca8237a0, mnt_ncmountpt = {ncp = 0xc2305a28,
mount = 0xc2590328}, mnt_ncmounton = {ncp = 0x0, mount = 0x0},
mnt_refs = 65, mnt_token = {t_ref = 0x0, t_flags = 1, t_collisions = 0,
t_desc = 0xc05e844f "permnt"}, mnt_jlist = {tqh_first = 0x0,
tqh_last = 0xc2590554}, mnt_jbitmap = 0x0, mnt_streamid = 0,
mnt_bioops = 0x0}
$12 = {mnt_list = {tqe_next = 0xcfa03ae8, tqe_prev = 0xc2590328},
mnt_op = 0xc06b8160, mnt_vfc = 0xc06b8120, mnt_namecache_gen = 665,
mnt_syncer = 0xc24b55b8, mnt_nvnodelist = {tqh_first = 0xc24b5978,
tqh_last = 0xc24b5604}, mnt_lock = {lk_spinlock = {lock = 0},
lk_flags = 0, lk_sharecount = 0, lk_waitcount = 0,
lk_exclusivecount = 0,
lk_unused1 = 0, lk_wmesg = 0xc05e8447 "vfslock", lk_timo = 0,
lk_lockholder = 0xffffffff}, mnt_flag = 4096, mnt_kern_flag =
272564224,
mnt_maxsymlinklen = 0, mnt_stat = {f_spare2 = 0, f_bsize = 512,
f_iosize = 512, f_blocks = 2, f_bfree = 0, f_bavail = 0, f_files =
```

664,
f_ffree = 0, f_fsid = {val = {83951361, 5}}, f_owner = 0, f_type = 5,
f_flags = 4096, f_syncwrites = 0, f_asyncwrites = 0,
f_fstypename = "devfs\000\000\000\000\000\000\000\000\000\000",
f_mntonname = "/dev", '\000' <repeats 75 times>, f_syncreads = 0,
f_asyncreads = 0, f_spares1 = 0,
f_mntfromname = "devfs", '\000' <repeats 74 times>, f_spares2 = 0,
f_spare = {0, 0}}, mnt_vstat = {f_bsize = 512, f_frsize = 512,
f_blocks = 2, f_bfree = 0, f_bavail = 0, f_files = 664, f_ffree = 0,
f_favail = 0, f_fsid = 0, f_flag = 0, f_namemax = 0, f_owner = 0,
f_type = 0, f_syncreads = 0, f_syncwrites = 0, f_asyncreads = 0,
f_asyncwrites = 0, f_fsid_uuid = {time_low = 0, time_mid = 0,
time_hi_and_version = 0, clock_seq_hi_and_reserved = 0 '\000',
clock_seq_low = 0 '\000', node = "\000\000\000\000\000"},
f_uid_uuid = {
time_low = 0, time_mid = 0, time_hi_and_version = 0,
clock_seq_hi_and_reserved = 0 '\000', clock_seq_low = 0 '\000',
node = "\000\000\000\000\000"}}, mnt_data = 0xc22a3620, mnt_time
= 0,
mnt_iosize_max = 65536, mnt_reservedvnlist = {tqh_first = 0x0,
tqh_last = 0xc259104c}, mnt_nvnodelistsize = 81,
mnt_vn_use_ops = 0xca8238c0, mnt_vn_coherency_ops = 0x0,
mnt_vn_journal_ops = 0x0, mnt_vn_norm_ops = 0xca8238c0,
mnt_vn_spec_ops = 0xca8239e0, mnt_vn_fifo_ops = 0x0, mnt_ncmountpt = {
ncp = 0xc2305de8, mount = 0xc2590e68}, mnt_ncmounton = {ncp =
0xc2305cf8,
mount = 0xc2590328}, mnt_refs = 26, mnt_token = {t_ref = 0x0,
t_flags = 1,
t_collisions = 0, t_desc = 0xc05e844f "permnt"}, mnt_jlist = {
tqh_first = 0x0, tqh_last = 0xc2591094}, mnt_jbitmap = 0x0,
mnt_streamid = 0, mnt_bioops = 0x0}
$13 = {mnt_list = {tqe_next = 0xc25910a8, tqe_prev = 0xc2590e68},
mnt_op = 0xc06b6ce0, mnt_vfc = 0xc06b6ca0, mnt_namecache_gen = 0,
mnt_syncer = 0xcf79bff8, mnt_nvnodelist = {tqh_first = 0xcf79e938,
tqh_last = 0xcf79c044}, mnt_lock = {lk_spinlock = {lock = 0},
lk_flags = 0, lk_sharecount = 0, lk_waitcount = 0,
lk_exclusivecount = 0,
lk_unused1 = 0, lk_wmesg = 0xc05e8447 "vfslock", lk_timo = 0,
lk_lockholder = 0xffffffff}, mnt_flag = 4096, mnt_kern_flag =
134217728,
mnt_maxsymlinklen = 60, mnt_stat = {f_spare2 = 0, f_bsize = 2048,
f_iosize = 16384, f_blocks = 387047, f_bfree = 304619, f_bavail =
273656,
f_files = 97278, f_ffree = 96184, f_fsid = {val = {1272393852,
1397807676}}, f_owner = 0, f_type = 6, f_flags = 4096,
f_syncwrites = 0, f_asyncwrites = 2,
f_fstypename = "ufs", '\000' <repeats 12 times>,
f_mntonname = "/boot", '\000' <repeats 74 times>, f_syncreads = 0,
f_asyncreads = 3, f_spares1 = 0,
f_mntfromname = "/dev/serno/QM00001.s1a", '\000' <repeats 57 times>,
f_spares2 = 0, f_spare = {0, 0}}, mnt_vstat = {f_bsize = 0,
f_frsize = 0,
f_blocks = 0, f_bfree = 0, f_bavail = 0, f_files = 0, f_ffree = 0,
f_favail = 0, f_fsid = 0, f_flag = 0, f_namemax = 0, f_owner = 0,
f_type = 0, f_syncreads = 0, f_syncwrites = 0, f_asyncreads = 0,
f_asyncwrites = 0, f_fsid_uuid = {time_low = 0, time_mid = 0,
time_hi_and_version = 0, clock_seq_hi_and_reserved = 0 '\000',
clock_seq_low = 0 '\000', node = "\000\000\000\000\000"},
f_uid_uuid = {
time_low = 0, time_mid = 0, time_hi_and_version = 0,
clock_seq_hi_and_reserved = 0 '\000', clock_seq_low = 0 '\000',
node = "\000\000\000\000\000"}}, mnt_data = 0xcfa2eef0, mnt_time
= 0,
mnt_iosize_max = 65536, mnt_reservedvnlist = {tqh_first = 0x0,
tqh_last = 0xcfa03ccc}, mnt_nvnodelistsize = 4,
mnt_vn_use_ops = 0xcf7f2980, mnt_vn_coherency_ops = 0x0,
mnt_vn_journal_ops = 0x0, mnt_vn_norm_ops = 0xcf7f2980,

mnt_vn_spec_ops = 0xcf7f2aa0, mnt_vn_fifo_ops = 0xcf7f2bc0,
mnt_ncmountpt = {
ncp = 0xcf76acf8, mount = 0xcfa03ae8}, mnt_ncmounton = {ncp =
0xc2307e68,
mount = 0xc2590328}, mnt_refs = 1, mnt_token = {t_ref = 0x0,
t_flags = 1,
t_collisions = 0, t_desc = 0xc05e844f "permnt"}, mnt_jlist = {
tqh_first = 0x0, tqh_last = 0xcfa03d14}, mnt_jbitmap = 0x0,
mnt_streamid = 0, mnt_bioops = 0x0}
$14 = {mnt_list = {tqe_next = 0xc25912e8, tqe_prev = 0xcfa03ae8},
mnt_op = 0xc06a2e00, mnt_vfc = 0xc06a2dc0, mnt_namecache_gen = 0,
mnt_syncer = 0xc24b82b8, mnt_nvnodelist = {tqh_first = 0xc24b82b8,
tqh_last = 0xc24b8304}, mnt_lock = {lk_spinlock = {lock = 0},
lk_flags = 0, lk_sharecount = 0, lk_waitcount = 0,
lk_exclusivecount = 0,
lk_unused1 = 0, lk_wmesg = 0xc05e8447 "vfslock", lk_timo = 0,
lk_lockholder = 0xffffffff}, mnt_flag = 4096, mnt_kern_flag = 8388608,
mnt_maxsymlinklen = 0, mnt_stat = {f_spare2 = 0, f_bsize = 16384,
f_iosize = 16384, f_blocks = 3141632, f_bfree = 122151, f_bavail =
122151,
f_files = 210154, f_ffree = 0, f_fsid = {val = {1516473405,
-1532829874}},
f_owner = 0, f_type = 7, f_flags = 4096, f_syncwrites = 0,
f_asyncwrites = 0, f_fstypename = "null", '\000' <repeats 11 times>,
f_mntonname = "/var", '\000' <repeats 75 times>, f_syncreads = 0,
f_asyncreads = 0, f_spares1 = 0,
f_mntfromname = "/pfs/@@-1:00001", '\000' <repeats 64 times>,
f_spares2 = 0, f_spare = {0, 0}}, mnt_vstat = {f_bsize = 0,
f_frsize = 0,
f_blocks = 0, f_bfree = 0, f_bavail = 0, f_files = 0, f_ffree = 0,
f_favail = 0, f_fsid = 0, f_flag = 0, f_namemax = 0, f_owner = 0,
f_type = 0, f_syncreads = 0, f_syncwrites = 0, f_asyncreads = 0,
f_asyncwrites = 0, f_fsid_uuid = {time_low = 0, time_mid = 0,
time_hi_and_version = 0, clock_seq_hi_and_reserved = 0 '\000',
clock_seq_low = 0 '\000', node = "\000\000\000\000\000"},
f_uid_uuid = {
time_low = 0, time_mid = 0, time_hi_and_version = 0,
clock_seq_hi_and_reserved = 0 '\000', clock_seq_low = 0 '\000',
node = "\000\000\000\000\000"}}, mnt_data = 0xc24b8178, mnt_time
= 0,
mnt_iosize_max = 65536, mnt_reservedvnlist = {tqh_first = 0x0,
tqh_last = 0xc259128c}, mnt_nvnodelistsize = 1,
mnt_vn_use_ops = 0xca823e60, mnt_vn_coherency_ops = 0x0,
mnt_vn_journal_ops = 0x0, mnt_vn_norm_ops = 0xca823e60,
mnt_vn_spec_ops = 0x0, mnt_vn_fifo_ops = 0x0, mnt_ncmountpt = {
ncp = 0xc23080e8, mount = 0xc25910a8}, mnt_ncmounton = {ncp =
0xc2307c88,
mount = 0xc2590328}, mnt_refs = 27, mnt_token = {t_ref = 0x0,
t_flags = 1,
t_collisions = 0, t_desc = 0xc05e844f "permnt"}, mnt_jlist = {
tqh_first = 0x0, tqh_last = 0xc25912d4}, mnt_jbitmap = 0x0,
mnt_streamid = 0, mnt_bioops = 0x0}
$15 = {mnt_list = {tqe_next = 0xcfa03d28, tqe_prev = 0xc25910a8},
mnt_op = 0xc06a2e00, mnt_vfc = 0xc06a2dc0, mnt_namecache_gen = 0,
mnt_syncer = 0xc24b87b8, mnt_nvnodelist = {tqh_first = 0xc24b87b8,
tqh_last = 0xc24b8804}, mnt_lock = {lk_spinlock = {lock = 0},
lk_flags = 0, lk_sharecount = 0, lk_waitcount = 0,
lk_exclusivecount = 0,
lk_unused1 = 0, lk_wmesg = 0xc05e8447 "vfslock", lk_timo = 0,
lk_lockholder = 0xffffffff}, mnt_flag = 4096, mnt_kern_flag = 8388608,
mnt_maxsymlinklen = 0, mnt_stat = {f_spare2 = 0, f_bsize = 16384,
f_iosize = 16384, f_blocks = 3141632, f_bfree = 357710, f_bavail =
357710,
f_files = 210151, f_ffree = 0, f_fsid = {val = {1516473405,
1310982700}},
f_owner = 0, f_type = 7, f_flags = 4096, f_syncwrites = 0,
f_asyncwrites = 0, f_fstypename = "null", '\000' <repeats 11 times>,

f_mntonname = "/tmp", '\000' <repeats 75 times>, f_syncreads = 0,
f_asyncreads = 0, f_spares1 = 0,
f_mntfromname = "/pfs/@@-1:00002", '\000' <repeats 64 times>,
f_spares2 = 0, f_spare = {0, 0}}, mnt_vstat = {f_bsize = 0,
f_frsize = 0,
f_blocks = 0, f_bfree = 0, f_bavail = 0, f_files = 0, f_ffree = 0,
f_favail = 0, f_fsid = 0, f_flag = 0, f_namemax = 0, f_owner = 0,
f_type = 0, f_syncreads = 0, f_syncwrites = 0, f_asyncreads = 0,
f_asyncwrites = 0, f_fsid_uuid = {time_low = 0, time_mid = 0,
time_hi_and_version = 0, clock_seq_hi_and_reserved = 0 '\000',
clock_seq_low = 0 '\000', node = "\000\000\000\000\000"},
f_uid_uuid = {
time_low = 0, time_mid = 0, time_hi_and_version = 0,
clock_seq_hi_and_reserved = 0 '\000', clock_seq_low = 0 '\000',
node = "\000\000\000\000\000"}}, mnt_data = 0xc24b8678, mnt_time
= 0,
mnt_iosize_max = 65536, mnt_reservedvnlist = {tqh_first = 0x0,
tqh_last = 0xc25914cc}, mnt_nvnodelistsize = 1,
mnt_vn_use_ops = 0xca823f80, mnt_vn_coherency_ops = 0x0,
mnt_vn_journal_ops = 0x0, mnt_vn_norm_ops = 0xca823f80,
mnt_vn_spec_ops = 0x0, mnt_vn_fifo_ops = 0x0, mnt_ncmountpt = {
ncp = 0xc23081d8, mount = 0xc25912e8}, mnt_ncmounton = {ncp =
0xc2307e18,
mount = 0xc2590328}, mnt_refs = 4, mnt_token = {t_ref = 0x0,
t_flags = 1,
t_collisions = 0, t_desc = 0xc05e844f "permnt"}, mnt_jlist = {
tqh_first = 0x0, tqh_last = 0xc2591514}, mnt_jbitmap = 0x0,
mnt_streamid = 0, mnt_bioops = 0x0}
$16 = {mnt_list = {tqe_next = 0xcfa03f68, tqe_prev = 0xc25912e8},
mnt_op = 0xc06a2e00, mnt_vfc = 0xc06a2dc0, mnt_namecache_gen = 0,
mnt_syncer = 0xcf79c4f8, mnt_nvnodelist = {tqh_first = 0xcf79c4f8,
tqh_last = 0xcf79c544}, mnt_lock = {lk_spinlock = {lock = 0},
lk_flags = 0, lk_sharecount = 0, lk_waitcount = 0,
lk_exclusivecount = 0,
lk_unused1 = 0, lk_wmesg = 0xc05e8447 "vfslock", lk_timo = 0,
lk_lockholder = 0xffffffff}, mnt_flag = 4096, mnt_kern_flag = 8388608,
mnt_maxsymlinklen = 0, mnt_stat = {f_spare2 = 0, f_bsize = 16384,
f_iosize = 16384, f_blocks = 3141632, f_bfree = 493863, f_bavail =
493863,
f_files = 210142, f_ffree = 0, f_fsid = {val = {1516473405,
-1586055987}},
f_owner = 0, f_type = 7, f_flags = 4096, f_syncwrites = 0,
f_asyncwrites = 0, f_fstypename = "null", '\000' <repeats 11 times>,
f_mntonname = "/usr", '\000' <repeats 75 times>, f_syncreads = 0,
f_asyncreads = 0, f_spares1 = 0,
f_mntfromname = "/pfs/@@-1:00003", '\000' <repeats 64 times>,
f_spares2 = 0, f_spare = {0, 0}}, mnt_vstat = {f_bsize = 0,
f_frsize = 0,
f_blocks = 0, f_bfree = 0, f_bavail = 0, f_files = 0, f_ffree = 0,
f_favail = 0, f_fsid = 0, f_flag = 0, f_namemax = 0, f_owner = 0,
f_type = 0, f_syncreads = 0, f_syncwrites = 0, f_asyncreads = 0,
f_asyncwrites = 0, f_fsid_uuid = {time_low = 0, time_mid = 0,
time_hi_and_version = 0, clock_seq_hi_and_reserved = 0 '\000',
clock_seq_low = 0 '\000', node = "\000\000\000\000\000"},
f_uid_uuid = {
time_low = 0, time_mid = 0, time_hi_and_version = 0,
clock_seq_hi_and_reserved = 0 '\000', clock_seq_low = 0 '\000',
node = "\000\000\000\000\000"}}, mnt_data = 0xcf79c3b8, mnt_time
= 0,
mnt_iosize_max = 65536, mnt_reservedvnlist = {tqh_first = 0x0,
tqh_last = 0xcfa03f0c}, mnt_nvnodelistsize = 1,
mnt_vn_use_ops = 0xcf7f2ce0, mnt_vn_coherency_ops = 0x0,
mnt_vn_journal_ops = 0x0, mnt_vn_norm_ops = 0xcf7f2ce0,
mnt_vn_spec_ops = 0x0, mnt_vn_fifo_ops = 0x0, mnt_ncmountpt = {
ncp = 0xcf76ad98, mount = 0xcfa03d28}, mnt_ncmounton = {ncp =
0xcf76a118,
mount = 0xc2590328}, mnt_refs = 33, mnt_token = {t_ref = 0x0,

t_flags = 1,
t_collisions = 0, t_desc = 0xc05e844f "permnt"}, mnt_jlist = {
tqh_first = 0x0, tqh_last = 0xcfa03f54}, mnt_jbitmap = 0x0,
mnt_streamid = 0, mnt_bioops = 0x0}
$17 = {mnt_list = {tqe_next = 0xcfa041a8, tqe_prev = 0xcfa03d28},
mnt_op = 0xc06a2e00, mnt_vfc = 0xc06a2dc0, mnt_namecache_gen = 0,
mnt_syncer = 0xcf79c9f8, mnt_nvnodelist = {tqh_first = 0xcf79c9f8,
tqh_last = 0xcf79ca44}, mnt_lock = {lk_spinlock = {lock = 0},
lk_flags = 0, lk_sharecount = 0, lk_waitcount = 0,
lk_exclusivecount = 0,
lk_unused1 = 0, lk_wmesg = 0xc05e8447 "vfslock", lk_timo = 0,
lk_lockholder = 0xffffffff}, mnt_flag = 4096, mnt_kern_flag = 8388608,
mnt_maxsymlinklen = 0, mnt_stat = {f_spare2 = 0, f_bsize = 16384,
f_iosize = 16384, f_blocks = 3141632, f_bfree = 493863, f_bavail =
493863,
f_files = 210142, f_ffree = 0, f_fsid = {val = {1516473405,
1079557801}},
f_owner = 0, f_type = 7, f_flags = 4096, f_syncwrites = 0,
f_asyncwrites = 0, f_fstypename = "null", '\000' <repeats 11 times>,
f_mntonname = "/home", '\000' <repeats 74 times>, f_syncreads = 0,
f_asyncreads = 0, f_spares1 = 0,
f_mntfromname = "/pfs/@@-1:00004", '\000' <repeats 64 times>,
f_spares2 = 0, f_spare = {0, 0}}, mnt_vstat = {f_bsize = 0,
f_frsize = 0,
f_blocks = 0, f_bfree = 0, f_bavail = 0, f_files = 0, f_ffree = 0,
f_favail = 0, f_fsid = 0, f_flag = 0, f_namemax = 0, f_owner = 0,
f_type = 0, f_syncreads = 0, f_syncwrites = 0, f_asyncreads = 0,
f_asyncwrites = 0, f_fsid_uuid = {time_low = 0, time_mid = 0,
time_hi_and_version = 0, clock_seq_hi_and_reserved = 0 '\000',
clock_seq_low = 0 '\000', node = "\000\000\000\000\000"},
f_uid_uuid = {
time_low = 0, time_mid = 0, time_hi_and_version = 0,
clock_seq_hi_and_reserved = 0 '\000', clock_seq_low = 0 '\000',
node = "\000\000\000\000\000"}}, mnt_data = 0xcf79c8b8, mnt_time
= 0,
mnt_iosize_max = 65536, mnt_reservedvnlist = {tqh_first = 0x0,
tqh_last = 0xcfa0414c}, mnt_nvnodelistsize = 1,
mnt_vn_use_ops = 0xcf7f2e00, mnt_vn_coherency_ops = 0x0,
mnt_vn_journal_ops = 0x0, mnt_vn_norm_ops = 0xcf7f2e00,
mnt_vn_spec_ops = 0x0, mnt_vn_fifo_ops = 0x0, mnt_ncmountpt = {
ncp = 0xcf76ae88, mount = 0xcfa03f68}, mnt_ncmounton = {ncp =
0xc2307dc8,
mount = 0xc2590328}, mnt_refs = 1, mnt_token = {t_ref = 0x0,
t_flags = 1,
t_collisions = 0, t_desc = 0xc05e844f "permnt"}, mnt_jlist = {
tqh_first = 0x0, tqh_last = 0xcfa04194}, mnt_jbitmap = 0x0,
mnt_streamid = 0, mnt_bioops = 0x0}
$18 = {mnt_list = {tqe_next = 0xcfa043e8, tqe_prev = 0xcfa03f68},
mnt_op = 0xc06a2e00, mnt_vfc = 0xc06a2dc0, mnt_namecache_gen = 0,
mnt_syncer = 0xcf79cef8, mnt_nvnodelist = {tqh_first = 0xcf79cef8,
tqh_last = 0xcf79cf44}, mnt_lock = {lk_spinlock = {lock = 0},
lk_flags = 0, lk_sharecount = 0, lk_waitcount = 0,
lk_exclusivecount = 0,
lk_unused1 = 0, lk_wmesg = 0xc05e8447 "vfslock", lk_timo = 0,
lk_lockholder = 0xffffffff}, mnt_flag = 4096, mnt_kern_flag = 8388608,
mnt_maxsymlinklen = 0, mnt_stat = {f_spare2 = 0, f_bsize = 16384,
f_iosize = 16384, f_blocks = 3141632, f_bfree = 493863, f_bavail =
493863,
f_files = 210142, f_ffree = 0, f_fsid = {val = {1516473405,
-1358297016}},
f_owner = 0, f_type = 7, f_flags = 4096, f_syncwrites = 0,
f_asyncwrites = 0, f_fstypename = "null", '\000' <repeats 11 times>,
f_mntonname = "/usr/obj", '\000' <repeats 71 times>, f_syncreads = 0,
f_asyncreads = 0, f_spares1 = 0,
f_mntfromname = "/pfs/@@-1:00005", '\000' <repeats 64 times>,
f_spares2 = 0, f_spare = {0, 0}}, mnt_vstat = {f_bsize = 0,
f_frsize = 0,

f_blocks = 0, f_bfree = 0, f_bavail = 0, f_files = 0, f_ffree = 0,
f_favail = 0, f_fsid = 0, f_flag = 0, f_namemax = 0, f_owner = 0,
f_type = 0, f_syncreads = 0, f_syncwrites = 0, f_asyncreads = 0,
f_asyncwrites = 0, f_fsid_uuid = {time_low = 0, time_mid = 0,
time_hi_and_version = 0, clock_seq_hi_and_reserved = 0 '\000',
clock_seq_low = 0 '\000', node = "\000\000\000\000\000"},
f_uid_uuid = {
time_low = 0, time_mid = 0, time_hi_and_version = 0,
clock_seq_hi_and_reserved = 0 '\000', clock_seq_low = 0 '\000',
node = "\000\000\000\000\000"}}, mnt_data = 0xcf79cdb8, mnt_time
= 0,
mnt_iosize_max = 65536, mnt_reservedvnlist = {tqh_first = 0x0,
tqh_last = 0xcfa0438c}, mnt_nvnodelistsize = 1,
mnt_vn_use_ops = 0xcf7f2f20, mnt_vn_coherency_ops = 0x0,
mnt_vn_journal_ops = 0x0, mnt_vn_norm_ops = 0xcf7f2f20,
mnt_vn_spec_ops = 0x0, mnt_vn_fifo_ops = 0x0, mnt_ncmountpt = {
ncp = 0xcf76b068, mount = 0xcfa041a8}, mnt_ncmounton = {ncp =
0xc2308318,
mount = 0xcfa03d28}, mnt_refs = 1, mnt_token = {t_ref = 0x0,
t_flags = 1,
t_collisions = 0, t_desc = 0xc05e844f "permnt"}, mnt_jlist = {
tqh_first = 0x0, tqh_last = 0xcfa043d4}, mnt_jbitmap = 0x0,
mnt_streamid = 0, mnt_bioops = 0x0}
$19 = {mnt_list = {tqe_next = 0xcfa04628, tqe_prev = 0xcfa041a8},
mnt_op = 0xc06a2e00, mnt_vfc = 0xc06a2dc0, mnt_namecache_gen = 0,
mnt_syncer = 0xcf79d3f8, mnt_nvnodelist = {tqh_first = 0xcf79d3f8,
tqh_last = 0xcf79d444}, mnt_lock = {lk_spinlock = {lock = 0},
lk_flags = 0, lk_sharecount = 0, lk_waitcount = 0,
lk_exclusivecount = 0,
lk_unused1 = 0, lk_wmesg = 0xc05e8447 "vfslock", lk_timo = 0,
lk_lockholder = 0xffffffff}, mnt_flag = 4096, mnt_kern_flag = 8388608,
mnt_maxsymlinklen = 0, mnt_stat = {f_spare2 = 0, f_bsize = 16384,
f_iosize = 16384, f_blocks = 3141632, f_bfree = 493863, f_bavail =
493863,
f_files = 210142, f_ffree = 0, f_fsid = {val = {1516473405,
1166857514}},
f_owner = 0, f_type = 7, f_flags = 4096, f_syncwrites = 0,
f_asyncwrites = 0, f_fstypename = "null", '\000' <repeats 11 times>,
f_mntonname = "/var/crash", '\000' <repeats 69 times>, f_syncreads
= 0,
f_asyncreads = 0, f_spares1 = 0,
f_mntfromname = "/pfs/@@-1:00006", '\000' <repeats 64 times>,
f_spares2 = 0, f_spare = {0, 0}}, mnt_vstat = {f_bsize = 0,
f_frsize = 0,
f_blocks = 0, f_bfree = 0, f_bavail = 0, f_files = 0, f_ffree = 0,
f_favail = 0, f_fsid = 0, f_flag = 0, f_namemax = 0, f_owner = 0,
f_type = 0, f_syncreads = 0, f_syncwrites = 0, f_asyncreads = 0,
f_asyncwrites = 0, f_fsid_uuid = {time_low = 0, time_mid = 0,
time_hi_and_version = 0, clock_seq_hi_and_reserved = 0 '\000',
clock_seq_low = 0 '\000', node = "\000\000\000\000\000"},
f_uid_uuid = {
time_low = 0, time_mid = 0, time_hi_and_version = 0,
clock_seq_hi_and_reserved = 0 '\000', clock_seq_low = 0 '\000',
node = "\000\000\000\000\000"}}, mnt_data = 0xcf79d2b8, mnt_time
= 0,
mnt_iosize_max = 65536, mnt_reservedvnlist = {tqh_first = 0x0,
tqh_last = 0xcfa045cc}, mnt_nvnodelistsize = 1,
mnt_vn_use_ops = 0xcf7f3040, mnt_vn_coherency_ops = 0x0,
mnt_vn_journal_ops = 0x0, mnt_vn_norm_ops = 0xcf7f3040,
mnt_vn_spec_ops = 0x0, mnt_vn_fifo_ops = 0x0, mnt_ncmountpt = {
ncp = 0xcf76b158, mount = 0xcfa043e8}, mnt_ncmounton = {ncp =
0xc2308408,
mount = 0xc25910a8}, mnt_refs = 1, mnt_token = {t_ref = 0x0,
t_flags = 1,
t_collisions = 0, t_desc = 0xc05e844f "permnt"}, mnt_jlist = {
tqh_first = 0x0, tqh_last = 0xcfa04614}, mnt_jbitmap = 0x0,
mnt_streamid = 0, mnt_bioops = 0x0}

$20 = {mnt_list = {tqe_next = 0xcfa04868, tqe_prev = 0xcfa043e8},
mnt_op = 0xc06a2e00, mnt_vfc = 0xc06a2dc0, mnt_namecache_gen = 0,
mnt_syncer = 0xcf79d8f8, mnt_nvnodelist = {tqh_first = 0xcf79d8f8,
tqh_last = 0xcf79d944}, mnt_lock = {lk_spinlock = {lock = 0},
lk_flags = 0, lk_sharecount = 0, lk_waitcount = 0,
lk_exclusivecount = 0,
lk_unused1 = 0, lk_wmesg = 0xc05e8447 "vfslock", lk_timo = 0,
lk_lockholder = 0xffffffff}, mnt_flag = 4096, mnt_kern_flag = 8388608,
mnt_maxsymlinklen = 0, mnt_stat = {f_spare2 = 0, f_bsize = 16384,
f_iosize = 16384, f_blocks = 3141632, f_bfree = 493863, f_bavail =
493863,
f_files = 210142, f_ffree = 0, f_fsid = {val = {1516473405,
-1428266037}},
f_owner = 0, f_type = 7, f_flags = 4096, f_syncwrites = 0,
f_asyncwrites = 0, f_fstypename = "null", '\000' <repeats 11 times>,
f_mntonname = "/var/tmp", '\000' <repeats 71 times>, f_syncreads = 0,
f_asyncreads = 0, f_spares1 = 0,
f_mntfromname = "/pfs/@@-1:00007", '\000' <repeats 64 times>,
f_spares2 = 0, f_spare = {0, 0}}, mnt_vstat = {f_bsize = 0,
f_frsize = 0,
f_blocks = 0, f_bfree = 0, f_bavail = 0, f_files = 0, f_ffree = 0,
f_favail = 0, f_fsid = 0, f_flag = 0, f_namemax = 0, f_owner = 0,
f_type = 0, f_syncreads = 0, f_syncwrites = 0, f_asyncreads = 0,
f_asyncwrites = 0, f_fsid_uuid = {time_low = 0, time_mid = 0,
time_hi_and_version = 0, clock_seq_hi_and_reserved = 0 '\000',
clock_seq_low = 0 '\000', node = "\000\000\000\000\000"},
f_uid_uuid = {
time_low = 0, time_mid = 0, time_hi_and_version = 0,
clock_seq_hi_and_reserved = 0 '\000', clock_seq_low = 0 '\000',
node = "\000\000\000\000\000"}}, mnt_data = 0xcf79d7b8, mnt_time
= 0,
mnt_iosize_max = 65536, mnt_reservedvnlist = {tqh_first = 0x0,
tqh_last = 0xcfa0480c}, mnt_nvnodelistsize = 1,
mnt_vn_use_ops = 0xcf7f3160, mnt_vn_coherency_ops = 0x0,
mnt_vn_journal_ops = 0x0, mnt_vn_norm_ops = 0xcf7f3160,
mnt_vn_spec_ops = 0x0, mnt_vn_fifo_ops = 0x0, mnt_ncmountpt = {
ncp = 0xcf76b2e8, mount = 0xcfa04628}, mnt_ncmounton = {ncp =
0xc2308548,
mount = 0xc25910a8}, mnt_refs = 1, mnt_token = {t_ref = 0x0,
t_flags = 1,
t_collisions = 0, t_desc = 0xc05e844f "permnt"}, mnt_jlist = {
tqh_first = 0x0, tqh_last = 0xcfa04854}, mnt_jbitmap = 0x0,
mnt_streamid = 0, mnt_bioops = 0x0}
$21 = {mnt_list = {tqe_next = 0x0, tqe_prev = 0xcfa04628},
mnt_op = 0xc06a3160, mnt_vfc = 0xc06a3120, mnt_namecache_gen = 0,
mnt_syncer = 0xcf79db78, mnt_nvnodelist = {tqh_first = 0xcf79db78,
tqh_last = 0xcf79dbc4}, mnt_lock = {lk_spinlock = {lock = 0},
lk_flags = 0, lk_sharecount = 0, lk_waitcount = 0,
lk_exclusivecount = 0,
lk_unused1 = 0, lk_wmesg = 0xc05e8447 "vfslock", lk_timo = 0,
lk_lockholder = 0xffffffff}, mnt_flag = 4096, mnt_kern_flag =
268435456,
mnt_maxsymlinklen = 0, mnt_stat = {f_spare2 = 0, f_bsize = 4096,
f_iosize = 4096, f_blocks = 1, f_bfree = 0, f_bavail = 0, f_files =
6084,
f_ffree = 6078, f_fsid = {val = {16842498, 1}}, f_owner = 0, f_type
= 1,
f_flags = 4096, f_syncwrites = 0, f_asyncwrites = 0,
f_fstypename = "procfs\000\000\000\000\000\000\000\000\000",
f_mntonname = "/proc", '\000' <repeats 74 times>, f_syncreads = 0,
f_asyncreads = 0, f_spares1 = 0,
f_mntfromname = "procfs", '\000' <repeats 73 times>, f_spares2 = 0,
f_spare = {0, 0}}, mnt_vstat = {f_bsize = 0, f_frsize = 0, f_blocks
= 0,
f_bfree = 0, f_bavail = 0, f_files = 0, f_ffree = 0, f_favail = 0,
f_fsid = 0, f_flag = 0, f_namemax = 0, f_owner = 0, f_type = 0,
f_syncreads = 0, f_syncwrites = 0, f_asyncreads = 0, f_asyncwrites

= 0,
f_fsid_uuid = {time_low = 0, time_mid = 0, time_hi_and_version = 0,
clock_seq_hi_and_reserved = 0 '\000', clock_seq_low = 0 '\000',
node = "\000\000\000\000\000"}, f_uid_uuid = {time_low = 0,
time_mid = 0, time_hi_and_version = 0,
clock_seq_hi_and_reserved = 0 '\000', clock_seq_low = 0 '\000',
node = "\000\000\000\000\000"}}, mnt_data = 0x0, mnt_time = 0,
mnt_iosize_max = 65536, mnt_reservedvnlist = {tqh_first = 0x0,
tqh_last = 0xcfa04a4c}, mnt_nvnodelistsize = 1,
mnt_vn_use_ops = 0xcf7f3280, mnt_vn_coherency_ops = 0x0,
mnt_vn_journal_ops = 0x0, mnt_vn_norm_ops = 0xcf7f3280,
mnt_vn_spec_ops = 0x0, mnt_vn_fifo_ops = 0x0, mnt_ncmountpt = {
ncp = 0xcf76b478, mount = 0xcfa04868}, mnt_ncmounton = {ncp =
0xc2307c38,
mount = 0xc2590328}, mnt_refs = 1, mnt_token = {t_ref = 0x0,
t_flags = 1,
t_collisions = 0, t_desc = 0xc05e844f "permnt"}, mnt_jlist = {
tqh_first = 0x0, tqh_last = 0xcfa04a94}, mnt_jbitmap = 0x0,
mnt_streamid = 0, mnt_bioops = 0x0}
(kgdb)
Id Refs Address    Size    Name
1    7 0xc0100000 78db18   kernel
2    1 0xc088e000 6dcc0    acpi.ko
3    1 0xc08fc000 11bbc    ahci.ko
4    1 0xc090e000 93ec     ehci.ko
(kgdb)

-----------------------------------------------------------------------
ps -axl

Bus error (core dumped)

-----------------------------------------------------------------------
vmstat -s

1950774 cpu context switches
46443 device interrupts
1293 software interrupts
38586 traps
1859515 system calls
1 kernel threads created
424  fork() calls
2 vfork() calls
0 rfork() calls
301 exec() calls
0 swap pager pageins
0 swap pager pages paged in
0 swap pager pageouts
0 swap pager pages paged out
493 vnode pager pageins
493 vnode pager pages paged in
0 vnode pager pageouts
0 vnode pager pages paged out
0 page daemon wakeups
0 pages examined by the page daemon
0 pages reactivated
9175 copy-on-write faults
0 copy-on-write optimized faults
24127 zero fill pages zeroed
23937 zero fill pages prezeroed
139 intransit blocking page faults
65817 total VM faults taken
0 pages affected by kernel thread creation
23836 pages affected by  fork()
121 pages affected by vfork()
0 pages affected by rfork()
184709 pages freed

0 pages freed by daemon
19673 pages freed by exiting processes
3183 pages active
39740 pages inactive
0 pages in VM cache
32062 pages wired down
115356 pages free
4096 bytes per page
26207 global smp invltlbs
3150 total path lookups
8719 total component lookups
cache hits (82% pos + 10% neg)
deletions 0%, falsehits 0%


----------------------------------------------------------------------
vmstat -m

```
Memory statistics by type                     Type  Kern
Type    InUse MemUse HighUse  Limit  Requests Limit Limit
HAMMER-inodes   411   283K    0K 1048576K     479   0    0
HAMMER-others  1260   124K    0K  76126K   662386   0    0
acpidev    55    2K    0K  76126K     55   0    0
acpisem    14    1K    0K  76126K     14   0    0
acpitask    0    0K    0K  76126K      1   0    0
acpica    150    5K    0K  76126K   47323   0    0
CAM SIM     3    1K    0K  76126K      3   0    0
atkbddev    2    1K    0K  76126K      2   0    0
objcache   53    5K    0K  76126K     53   0    0
objcache magazine  2091  588K    0K  76126K    2091   0    0
legacydrv    2    1K    0K  76126K      2   0    0
lockf     3    1K    0K  76126K     18   0    0
uc_devlist   34    2K    0K  76126K     34   0    0
nexusdev    5    1K    0K  76126K      5   0    0
atexit     1    1K    0K  76126K      1   0    0
proc-args   24    1K    0K  76126K    2096   0    0
lwbuf     8    1K    0K  76126K      8   0    0
syscons   45   176K    0K  76126K     45   0    0
xform     0    0K    0K  76126K     10   0    0
crypto     1    1K    0K  76126K      1   0    0
propstng  1318   31K    0K  76126K    1318   0    0
prop string  1317   11K    0K  76126K    1372   0    0
propnmbr  1575   62K    0K  76126K    1575   0    0
pdict16    16    1K    0K  76126K     16   0    0
propdict   652   123K    0K  76126K    652   0    0
prop dictionary  651   82K    0K  76126K    676   0    0
kbdmux     6    7K    0K  76126K      6   0    0
isadev    29    2K    0K  76126K     29   0    0
USB      16    2K    0K  76126K     18   0    0
USBdev     4    2K    0K  76126K      4   0    0
ZONE      7    1K    0K  76126K      7   0    0
exec-args   9  2340K    0K  76126K      9   0    0
kqueue     5    1K    0K  76126K     44   0    0
vmspace   42   12K    0K  76126K     42   0    0
kenv     19    3K    0K  76126K     19   0    0
file desc   33   20K    0K  76126K    1173   0    0
HAMMER-mount  1   40K    0K  76126K      1   0    0
devfs    3643  359K    0K  76126K    6335   0    0
UFS dirhash   3    1K    0K  76126K      3   0    0
UFS mount    3    5K    0K  76126K      3   0    0
UFS ihash    1   512K    0K  76126K      1   0    0
FFS node    3    1K    0K 1048576K      3   0    0
pagedep    1   128K    0K  76126K      1   0    0
inodedep    1   512K    0K  76126K      1   0    0
newblk     1    1K    0K  76126K      1   0    0
p1003.1b    1    1K    0K  76126K      1   0    0
file     87    7K    0K  76126K    3874   0    0
sigio     1    1K    0K  76126K      1   0    0
```

```
kld   73   3K   0K   76126K      95   0   0
CAM periph   5   1K   0K   76126K      12   0   0
module   358   21K   0K   76126K      358   0   0
varsym   258   8K   0K   76126K      268   0   0
scsi_cd   0   0K   0K   76126K      1   0   0
CCMS   576   36K   0K   76126K      576   0   0
NFS daemon   1   1K   0K   76126K      1   0   0
NFS hash   1   512K   0K   76126K      1   0   0
syncache   2   12K   0K   76126K      7   0   0
tcptemp   25   2K   0K   76126K      25   0   0
ipq   50   2K   0K   76126K      50   0   0
in_multi   9   1K   0K   76126K      9   0   0
routetbl   78   8K   0K   76126K      120   0   0
faith   1   1K   0K   76126K      1   0   0
clone   3   12K   0K   76126K      3   0   0
ifaddr   58   11K   0K   76126K      58   0   0
ether_multi   30   2K   0K   76126K      30   0   0
BPF   10   9K   0K   76126K      10   0   0
MSDOSFS mount   1   512K   0K   76126K      1   0   0
NULLFS mount   7   3K   0K   76126K      7   0   0
vnodes   576   180K   0K 1048576K      576   0   0
vnodeops   18   6K   0K   76126K      18   0   0
nameibufs   11   11K   0K   76126K      11   0   0
mount   12   7K   0K   76126K      15   0   0
vfscache   1536   582K   0K   76126K      1540   0   0
BIO buffer   0   0K   0K   76126K      8   0   0
unpcb   6   1K   0K   76126K      161   0   0
ISOFS mount   1   512K   0K   76126K      1   0   0
socket   23   6K   0K   76126K      262   0   0
soname   3   1K   0K   76126K      591   0   0
pcb   41   23K   0K   76126K      173   0   0
mbuf   350   175K   0K 131706K      350   0   0
mbufcl   193   772K   0K   76126K      193   0   0
mclmeta   193   2K   0K   76126K      193   0   0
ptys   256   80K   0K   76126K      256   0   0
ttys   735   94K   0K   76126K      1635   0   0
shm   1   9K   0K   76126K      1   0   0
CAM dev queue   3   1K   0K   76126K      3   0   0
sem   3   5K   0K   76126K      3   0   0
CAM XPT   34   7K   0K   76126K      91   0   0
CAM queue   11   1K   0K   76126K      57   0   0
MD disk   2   1K   0K   76126K      2   0   0
msg   4   24K   0K   76126K      4   0   0
rman   97   6K   0K   76126K      530   0   0
pipe   33   5K   0K   76126K      533   0   0
ioctlops   0   0K   0K   76126K      27   0   0
select   3   1K   0K   76126K      6   0   0
taskqueue   8   1K   0K   76126K      8   0   0
sbuf   0   0K   0K   76126K      2   0   0
SWAP   2   277K   0K   76126K      2   0   0
acd_driver   1   2K   0K   76126K      1   0   0
kobj   254   286K   0K   76126K      254   0   0
eventhandler   26   1K   0K   76126K      26   0   0
disk   1   1K   0K   76126K      1   0   0
ata_cam   2   2K   0K   76126K      14   0   0
bus   978   41K   0K   76126K      5841   0   0
ar_driver   0   0K   0K   76126K      5   0   0
callout   2   2048K   0K   76126K      2   0   0
sysctl   0   0K   0K   76126K      2690   0   0
sysctloid   403   11K   0K   76126K      403   0   0
tslpque   1   8K   0K   76126K      1   0   0
dsched   800   163K   0K   76126K      800   0   0
ata_dma   2   1K   0K   76126K      2   0   0
lwkt message   5   1K   0K   76126K      9   0   0
thread   73   60K   0K   76126K      73   0   0
ad_driver   1   1K   0K   76126K      1   0   0
sfbuf   1   1K   0K   76126K      1   0   0
```

```
memdesc    1    3K    0K  76126K      1   0   0
MPipe Array    2    1K    0K  76126K      2   0   0
cache  1634   96K    0K  76126K    2092   0   0
devbuf  155   57K    0K  76126K    1600   0   0
temp  252    8K    0K  76126K    4541   0   0
ip6ndp   7    1K    0K  76126K      7   0   0
ata_generic  276   49K    0K  76126K     550   0   0
uidinfo   5    3K    0K  76126K     26   0   0
cred   14    2K    0K  76126K     107   0   0
pgrp   21    2K    0K  76126K     44   0   0
session   21    1K    0K  76126K     44   0   0
proc   32   35K    0K  76126K    1122   0   0
lwp   30   10K    0K  76126K    1156   0   0
subproc   44   86K    0K  76126K    1167   0   0

Memory Totals:  In Use   Free   Requests
12329K    0K    763280

----------------------------------------------------------------------
vmstat -z

ITEM         SIZE    LIMIT    USED    FREE   REQUESTS

SWAPMETA:     160,  215092,    0,    25,     1
DIRHASH:     1024,     0,    12,    4,     12
KNOTE:       96,     0,     6,    78,     12
NFSNODE:     384,     0,     0,    0,     0
NFSMOUNT:     832,     0,     0,    0,     0
cryptodesc:    64,     0,     0,    0,     0
cryptop:      64,     0,     0,    0,     0
PV ENTRY:     32,  1400000,  10319,  186379,  127993
MAP ENTRY:     60,     0,    200,   260,    1848
MAP:       132,     0,     0,    10,     0
VM OBJECT:    120,     0,    376,    84,    6297

----------------------------------------------------------------------
vmstat -i

interrupt           total      rate
clk                1        0
atkbd0              3        0
uhci0/re0            12        0
sio0              355        0
fdc0               0        0
acpi0              0        0
psm0               0        0
ata0             5054        0
ata1              31        0
irq16              78        0
irq19              18        0
irq21             5073        0
swi_siopoll          0        0
swi_cambio           0        0
swi_vm              0        0
swi_mp_taskq/swi_taskq       0        0
Total             10625        0

----------------------------------------------------------------------
pstat -T

87/97344 files
0M/1023M swap space

----------------------------------------------------------------------
pstat -s

Device     512-blocks    Used   Avail Capacity  Type
```

```
/dev/ad0s1b       2096896      80 2096816   0%   Interleaved
```

---

ipcs -a

Message Queues:
T   ID   KEY      MODE      OWNER   GROUP  CREATOR  CGROUP
CBYTES  QNUM  QBYTES  LSPID  LRPID   STIME   RTIME   CTIME

Shared Memory:
T   ID   KEY      MODE      OWNER   GROUP  CREATOR  CGROUP
NATTCH  SEGSZ  CPID  LPID  ATIME   DTIME   CTIME

Semaphores:
T   ID   KEY      MODE      OWNER   GROUP  CREATOR  CGROUP
NSEMS  OTIME   CTIME
s  65536       0 --rw-------    www     www    root   wheel
1no-entry  5:03:48
s  65537       0 --rw-------    www     www    root   wheel
1no-entry  5:03:51

---

ipcs -T

msginfo:
msgmax:  16384 (max characters in a message)
msgmni:    40 (# of message queues)
msgmnb:  2048 (max characters in a message queue)
msgtql:    40 (max # of messages in system)
msgssz:     8 (size of a message segment)
msgseg:  2048 (# of message segments in system)

shminfo:
shmmax: 33554432 (max shared memory segment size)
shmmin:     1 (min shared memory segment size)
shmmni:    192 (max number of shared memory identifiers)
shmseg:    128 (max shared memory segments per process)
shmall:   8192 (max amount of shared memory in pages)

seminfo:
semmap:    30 (# of entries in semaphore map)
semmni:    10 (# of semaphore identifiers)
semmns:    60 (# of semaphores in system)
semmnu:    30 (# of undo structures in system)
semmsl:    60 (max # of semaphores per id)
semopm:    100 (max # of operations per semop call)
semume:    10 (max # of undo entries per process)
semusz:    92 (size in bytes of undo structure)
semvmx: 32767 (semaphore maximum value)
semaem: 16384 (adjust on exit max value)

---

nfsstat

Client Info:
Rpc Counts:
Getattr  Setattr  Lookup  Readlink    Read    Write   Create
Remove
0     0     0     0     0     0     0
0
Rename     Link  Symlink   Mkdir    Rmdir  Readdir RdirPlus
Access
0     0     0     0     0     0     0
0
Mknod   Fsstat  Fsinfo  PathConf  Commit  GLease  Vacate
Evict
0     0     0     0     0     0     0

0
Rpc Info:
TimedOut  Invalid X Replies  Retries  Requests
0      0      0      0      0
Cache Info:
Attr Hits    Misses Lkup Hits    Misses BioR Hits    Misses BioW Hits
Misses
0      0      0      0      0      0      0
0
BioRLHits    Misses BioD Hits    Misses DirE Hits    Misses
0      0      0      0      0      0

Server Info:
Getattr  Setattr   Lookup  Readlink    Read    Write   Create
Remove
0      0      0      0      0      0      0
0
Rename     Link  Symlink    Mkdir    Rmdir  Readdir  RdirPlus
Access
0      0      0      0      0      0      0
0
Mknod    Fsstat   Fsinfo  PathConf   Commit   GLease   Vacate
Evict
0      0      0      0      0      0      0
0
Server Ret-Failed
0
Server Faults
0
Server Cache Stats:
Inprog     Idem  Non-idem    Misses
0      0      0      0
Server Lease Stats:
Leases    PeakL  GLeases
0      0      0
Server Write Gathering:
WriteOps  WriteRPC  Opsaved
0      0      0

----------------------------------------------------------------------
netstat -s

tcp:
0 packets sent
0 data packets (0 bytes)
0 data packets (0 bytes) retransmitted
0 Fast Retransmits (0 early)
0 packets sent by Limited Transmit
0 spurious RTO retransmits
0 spurious Fast Retransmits (0 early)
0 Eifel-detected spurious retransmits
0 RTT-detected spurious retransmits
0 resends initiated by MTU discovery
0 ack-only packets (0 delayed)
0 URG only packets
0 window probe packets
0 window update packets
0 control packets
0 packets received
0 acks (for 0 bytes)
0 duplicate acks
0 acks for unsent data
0 packets (0 bytes) received in-sequence
0 completely duplicate packets (0 bytes)
0 old duplicate packets
0 packets with some dup. data (0 bytes duped)
0 out-of-order packets (0 bytes)

0 packets (0 bytes) of data after window
0 window probes
0 window update packets
0 packets received after close
0 discarded for bad checksums
0 discarded for bad header offset fields
0 discarded because packet too short
0 connection requests
0 connection accepts
0 bad connection attempts
0 listen queue overflows
0 connections established (including accepts)
0 connections closed (including 0 drops)
0 connections updated cached RTT on close
0 connections updated cached RTT variance on close
0 connections updated cached ssthresh on close
0 embryonic connections dropped
0 segments updated rtt (of 0 attempts)
0 retransmit timeouts
0 connections dropped by rexmit timeout
0 persist timeouts
0 connections dropped by persist timeout
0 keepalive timeouts
0 keepalive probes sent
0 connections dropped by keepalive
0 correct ACK header predictions
0 correct data packet header predictions
0 syncache entries added
0 retransmitted
0 dupsyn
0 dropped
0 completed
0 bucket overflow
0 cache overflow
0 reset
0 stale
0 aborted
0 badack
0 unreach
0 zone failures
0 cookies sent
0 cookies received
udp:
2 datagrams received
0 with incomplete header
0 with bad data length field
0 with bad checksum
0 with no checksum
0 dropped due to no socket
2 broadcast/multicast datagrams dropped due to no socket
0 dropped due to full socket buffers
0 not for hashed pcb
0 delivered
0 datagrams output
ip:
7 total packets received
0 bad header checksums
0 with size smaller than minimum
0 with data size < data length
0 with ip length > max ip packet size
0 with header length < data size
0 with data length < header length
0 with bad options
0 with incorrect version number
0 fragments received
0 fragments dropped (dup or out of space)
0 fragments dropped after timeout

0 packets reassembled ok
3 packets for this host
0 packets for unknown/unsupported protocol
0 packets forwarded (0 packets fast forwarded)
4 packets not forwardable
0 packets received for unknown multicast group
0 redirects sent
1 packet sent from this host
0 packets sent with fabricated ip header
0 output packets dropped due to no bufs, etc.
0 output packets discarded due to no route
0 output datagrams fragmented
0 fragments created
0 datagrams that can't be fragmented
0 tunneling packets that can't find gif
0 datagrams with bad address in header
icmp:
0 calls to icmp_error
0 errors not generated 'cuz old message was icmp
Output histogram:
echo reply: 1
0 messages with bad code fields
0 messages < minimum length
0 bad checksums
0 messages with bad length
0 multicast echo requests ignored
0 multicast timestamp requests ignored
Input histogram:
echo: 1
1 message response generated
0 invalid return addresses
0 no return routes
ICMP address mask responses are disabled
igmp:
0 messages received
0 messages received with too few bytes
0 messages received with bad checksum
0 membership queries received
0 membership queries received with invalid field(s)
0 membership reports received
0 membership reports received with invalid field(s)
0 membership reports received for groups to which we belong
0 membership reports sent
ip6:
0 total packets received
0 with size smaller than minimum
0 with data size < data length
0 with bad options
0 with incorrect version number
0 fragments received
0 fragments dropped (dup or out of space)
0 fragments dropped after timeout
0 fragments that exceeded limit
0 packets reassembled ok
0 packets for this host
0 packets forwarded
0 packets not forwardable
0 redirects sent
6 packets sent from this host
0 packets sent with fabricated ip header
0 output packets dropped due to no bufs, etc.
0 output packets discarded due to no route
0 output datagrams fragmented
0 fragments created
0 datagrams that can't be fragmented
0 packets that violated scope rules
0 multicast packets which we don't join

Mbuf statistics:
0 one mbuf
0 one ext mbuf
0 two or more ext mbuf
0 packets whose headers are not continuous
0 tunneling packets that can't find gif
0 packets discarded due to too may headers
0 failures of source address selection
0 forward cache hit
0 forward cache miss
icmp6:
0 calls to icmp_error
0 errors not generated because old message was icmp error or so
0 errors not generated because rate limitation
Output histogram:
multicast listener report: 6
0 messages with bad code fields
0 messages < minimum length
0 bad checksums
0 messages with bad length
Histogram of error messages to be generated:
0 no route
0 administratively prohibited
0 beyond scope
0 address unreachable
0 port unreachable
0 packet too big
0 time exceed transit
0 time exceed reassembly
0 erroneous header field
0 unrecognized next header
0 unrecognized option
0 redirect
0 unknown
0 message responses generated
0 messages with too many ND options
0 messages with bad ND options
0 bad neighbor solicitation messages
0 bad neighbor advertisement messages
0 bad router solicitation messages
0 bad router advertisement messages
0 bad redirect messages
0 path MTU changes


-----------------------------------------------------------------------
netstat -m

13/110496 mbufs in use (current/max):
64/6576 mbuf clusters in use (current/max)
77 mbufs and mbuf clusters allocated to data
262 Kbytes allocated to network (0% of mb_map in use)
0 requests for memory denied
0 requests for memory delayed
0 calls to protocol drain routines


-----------------------------------------------------------------------
netstat -id

| Name | Mtu | Network | Address | Ipkts | Ierrs | Opkts | Oerrs | Coll | Drop |
|------|-----|---------|---------|-------|-------|-------|-------|------|------|
| re0 | 1500 | <Link#1> | 52:54:00:9d:7e:e3 | 1205 | 0 | 399 | 0 | 388 | 0 |
| re0 | 1500 | fe80:1::505 | fe80:1::5054:ff:f | 0 | - | 4 | - | - | - |
| re0 | 1500 | 10.94.76/24 | dfbench | 1016 | - | 388 | - | - | - |
| faith0* | 1500 | <Link#2> | | 0 | 0 | 0 | | | |

```
0   0   0
lo0   16384 <Link#3>                    21    0     21
0   0   0
lo0   16384 your-net     localhost        0    -     21
-   -   -
lo0   16384 localhost   ::1             0    -      0
-   -   -
lo0   16384 fe80:3::1   fe80:3::1        0    -      0
-   -   -
ppp0*  1500  <Link#4>                    0    0      0
0   0   0
sl0*   552   <Link#5>              0    0     0
0   0   0
```

```
-----------------------------------------------------------------
netstat -anr

Routing tables

Internet:
Destination      Gateway       Flags    Refs     Use  Netif Expire
default        10.94.76.254    UGSc     0      0   re0
10.94.76/24      link#1        UC       2      0   re0
10.94.76.3      00:40:63:e8:fd:93  UHLW    2    327  re0
10.94.76.176    127.0.0.1       UGHS     4      8   lo0
10.94.76.254     link#1        UHLW     1      1   re0
127.0.0.1       127.0.0.1       UH      1      0   lo0

Internet6:
Destination              Gateway              Flags
Netif Expire
::1                  ::1              UH
lo0
fe80::5054:ff:fe9d:7ee3%re0     52:54:00:9d:7e:e3        UHL
lo0
fe80::1%lo0             link#3              UHL
lo0
ff01::/32              ::1              U
lo0
ff02::%re0/32           link#1              UC
re0
ff02::%lo0/32           ::1              UC
lo0
```

```
-----------------------------------------------------------------
netstat -anA

Active UNIX domain sockets
Address  Type  Recv-Q Send-Q   Inode    Conn    Refs Nextref Addr
c23ab4b0 dgram    0     0 cfb783f8     0      0      0
/var/run/logpriv
c23ab2d0 dgram    0     0 cfb782b8     0      0      0
/var/run/log
```

```
-----------------------------------------------------------------
netstat -aL
```

```
-----------------------------------------------------------------
fstat

Bus error
```

```
-----------------------------------------------------------------
dmesg

nch syslogd: exiting on signal 15
boot() called on cpu#1
```

Switching to cpu #0 for shutdown
Waiting (max 60 seconds) for system thread consttyd to stop...stopped
Waiting (max 60 seconds) for system thread vnlru to stop...stopped
Waiting (max 60 seconds) for system thread syncer to stop...stopped
Waiting (max 60 seconds) for system thread bufdaemon_hw to stop...stopped
Waiting (max 60 seconds) for system thread bufdaemon to stop...stopped

syncing disks...
done
Uptime: 23h46m36s
Rebooting...
cpu_reset called on cpu#0
cpu_reset: Stopping other CPUs
Copyright (c) 2003-2010 The DragonFly Project.
Copyright (c) 1992-2003 The FreeBSD Project.
Copyright (c) 1979, 1980, 1983, 1986, 1988, 1989, 1991, 1992, 1993, 1994
The Regents of the University of California. All rights reserved.
DragonFly v2.9.1.72.g7c47e-DEVELOPMENT #23: Sat Nov 20 04:19:56 CET 2010
root@dfbench.lan.net:/usr/obj/usr/src/sys/GENERIC_SMP
TSC clock: 2808286021 Hz, i8254 clock: 1193318 Hz
CPU: QEMU Virtual CPU version 0.12.4 (2807.98-MHz 686-class CPU)
Origin = "AuthenticAMD"  Id = 0x623  Stepping = 3

Features=0x78bfbfd<FPU,DE,PSE,TSC,MSR,PAE,MCE,CX8,APIC,SEP,MTRR,PGE,MCA,CMOV,PAT,PSE36,CLFLUSH,MMX,FXSR,SSE,SSE2>
Features2=0x80802001<SSE3,CX16,POPCNT,VMM>
AMD Features=0x20100800<SYSCALL,NX,LM>
AMD Features2=0x61<LAHF,ABM,SSE4A>
real memory  = 804888576 (767 MB)
avail memory = 764895232 (729 MB)
lapic: at 0xfee00000
APIC_IO: MP table broken: 8259->APIC entry missing!
Changing APIC ID for IO APIC #0 from 0 to 2 on chip
Programming 24 pins in IOAPIC #0
lapic: divisor index 0, frequency 500004171 Hz
SMI Frequency (worst case): 3891 Hz (257 us)
DragonFly/MP: Multiprocessor motherboard
cpu0 (BSP): apic id:  0, version: 0x00050014
cpu1 (AP):  apic id:  1, version: 0x00050014
io0 (APIC): apic id:  2, version: 0x00170011, at 0xfec00000
APIC_IO: Testing 8254 interrupt delivery
APIC_IO: routing 8254 via IOAPIC #0 intpin 2
SMP: AP CPU #1 Launched!
objcache(exec-args): too small for ncpus, adjusting cluster_limit 16->32
module_register: module pci/ahci already exists!
Module pci/ahci failed to register: 17
FQ scheduler policy version 1.0 loaded
No policy for md0 specified, or policy not found
disk scheduler: set policy of md0 to noop
md0: Malloc disk
kbd1 at kbdmux0
ACPI: RSDP 0xf8920 00014 (v0 BOCHS )
ACPI: RSDT 0x2fffde10 00034 (v1 BOCHS  BXPCRSDT 00000001 BXPC 00000001)
ACPI: FACP 0x2ffffe40 00074 (v1 BOCHS  BXPCFACP 00000001 BXPC 00000001)
ACPI: DSDT 0x2fffdfd0 01E22 (v1  BXPC   BXDSDT 00000001 INTL 20090123)
ACPI: FACS 0x2ffffe00 00040
ACPI: SSDT 0x2fffdf80 00044 (v1 BOCHS  BXPCSSDT 00000001 BXPC 00000001)
ACPI: APIC 0x2fffde90 0007A (v1 BOCHS  BXPCAPIC 00000001 BXPC 00000001)
ACPI: HPET 0x2fffde50 00038 (v1 BOCHS  BXPCHPET 00000001 BXPC 00000001)
npx0: <math processor> on motherboard
npx0: INT 16 interface
Using XMM optimized bcopy/copyin/copyout
cryptosoft0: <software crypto> on motherboard
acpi0: <BOCHS BXPCRSDT> on motherboard
objcache_reclaimlist
objcache_reclaimlist
objcache_reclaimlist

objcache_reclaimlist
acpi0: Power Button (fixed)
Warning: ACPI is disabling APM's device.  You can't run both
acpi_timer0: <24-bit timer at 3.579545MHz> port 0xb008-0xb00b on acpi0
acpi_hpet0: <High Precision Event Timer> iomem 0xfed00000-0xfed003ff on acpi0
acpi_hpet0: frequency 100000000
atkbdc0: <Keyboard controller (i8042)> port 0x64,0x60 irq 1 on acpi0
atkbd0: <AT Keyboard> flags 0x1 irq 1 on atkbdc0
kbd0 at atkbd0
psm0: <PS/2 Mouse> irq 12 on atkbdc0
psm0: model IntelliMouse Explorer, device ID 4
fdc0: <NEC 72065B or clone> port 0x3f7,0x3f2-0x3f5 irq 6 drq 2 on acpi0
cpu0: <ACPI CPU> on acpi0
cpu_cst0: <ACPI CPU C-State> on cpu0
cpu1: <ACPI CPU> on acpi0
cpu_cst1: <ACPI CPU C-State> on cpu1
pcib0: <MPTable Host-PCI bridge> pcibus 0 on motherboard
pci0: <PCI bus> on pcib0
isab0: <PCI-ISA bridge> at device 1.0 on pci0
isa0: <ISA bus> on isab0
atapci0: <Intel PIIX3 WDMA2 controller> port
0xc000-0xc00f,0x376,0x170-0x177,0x3f6,0x1f0-0x1f7 at device 1.1 on pci0
ata0: <ATA channel 0> on atapci0
No policy for ad0 specified, or policy not found
disk scheduler: set policy of ad0 to noop
ad0: 51200MB <QEMU HARDDISK 0.12.4> at ata0-master WDMA2
ata1: <ATA channel 1> on atapci0
No policy for acd0 specified, or policy not found
disk scheduler: set policy of acd0 to noop
acd0: CDROM <QEMU DVD-ROM/0.12.4> at ata1-master WDMA2
uhci0: <Intel 82371SB (PIIX3) USB controller> port 0xc020-0xc03f irq 2
at device 1.2 on pci0
usb0: <Intel 82371SB (PIIX3) USB controller> on uhci0
usb0: USB revision 1.0
uhub0: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> on usb0
uhub0: 2 ports with 2 removable, self powered
pci0: <bridge> (vendor 0x8086, dev 0x7113) at device 1.3 irq 9
vgapci0: <VGA-compatible display> mem
0xf2000000-0xf2000fff,0xf0000000-0xf1ffffff at device 2.0 on pci0
pci0: <memory, RAM> (vendor 0x1af4, dev 0x1002) at device 3.0 irq 2
re0: <RealTek 8139C+ 10/100BaseTX> port 0xc100-0xc1ff mem
0xf2020000-0xf20200ff irq 2 at device 4.0 on pci0
re0: Hardware rev. 0x74800000; MAC ver. 0x00; PCI32 33MHz
miibus0: <MII bus> on re0
ukphy0: <Generic IEEE 802.3u media interface> on miibus0
ukphy0:  10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, auto
re0: MAC address: 52:54:00:9d:7e:e3
orm0: <Option ROM> at iomem 0xc9000-0xd0fff on isa0
pmtimer0 on isa0
fdc1: cannot reserve I/O port range
vga0: <Generic ISA VGA> at port 0x3c0-0x3df iomem 0xa0000-0xbffff on isa0
sc0: <System console> at flags 0x100 on isa0
sc0: VGA <16 virtual consoles, flags=0x100>
sio0 at port 0x3f8-0x3ff irq 4 flags 0x10 on isa0
sio0: type 16550A, console
sio1: can't drain, serial port might not exist, disabling
ppc0: parallel port not found.
CAM: Configuring 2 busses
CAM: finished configuring all busses
No policy for cd0 specified, or policy not found
disk scheduler: set policy of cd0 to noop
cd0 at ata1 bus 0 target 0 lun 0
cd0: <QEMU QEMU DVD-ROM 0.12> Removable CD-ROM SCSI-0 device
cd0: 16.000MB/s transfers
cd0: Attempt to query device size failed: NOT READY, Medium not present
Mounting root from hammer:serno/QM00001.s1d

```
tryroot serno/QM00001.s1d
HAMMER(ROOT) recovery check seqno=5838fcfa
HAMMER(ROOT) recovery range 30000000005f9470-30000000005f9470
HAMMER(ROOT) recovery nexto 30000000005f9470 endseqno=5838fcfb
HAMMER(ROOT) mounted clean, no recovery needed
Mounting devfs
/etc/rc: WARNING: $udevd_early is not set properly - see rc.conf(5).
Loading configuration files.
Loading devfs rules:
/etc/defaults/devfs.conf
```

## History

**#1 - 12/04/2010 05:40 PM - dillon**

Doh. Someone wake up poor Jan!  His scripts are evolving and will
soon take over the world!

-Matt

**#2 - 12/05/2010 06:33 PM - lentferj**

[...]
> 0 1120 ccdf6298 00020680 ab1.3 cfc19174 kqread
> 0 800 cf8f3ed8 00800603 httpd 00000000
[...]

Must have happend during apache being stressed by ab.

Jan