

DragonFlyBSD - Bug #2892

swap_pager:indefinite wait bufferf error

02/21/2016 10:23 PM - lhmwzy

Status:	New	Start date:	02/21/2016
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
on my machine,the consle show "swap_pager:indefinite wait bufferf :offset 601985024,size:4096",the system is panic,only power off and reboot,then the system will goes well.			
# uname -a [pts/0][2:08:51pm] DragonFly fuhai.com 4.4-RELEASE DragonFly v4.4.1.12.g25e86-RELEASE #0: Tue Jan 19 08:42:18 CST 2016 lhm@fuhai.com :/usr/obj/usr/src/sys/fuhai x86_64			
dmesg: Copyright (c) 2003-2015 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. MPTABLE: use default configuration DragonFly v4.4.1.12.g25e86-RELEASE #0: Tue Jan 19 08:42:18 CST 2016 lhm@fuhai.com :/usr/obj/usr/src/sys/fuhai TSC clock: 3200021008 Hz, i8254 clock: 1193148 Hz CPU: Intel(R) Pentium(R) 4 CPU 3.20GHz (3200.13-MHz K8-class CPU) Origin = "GenuineIntel" Id = 0xf65 Stepping = 5 Features=0xbfebfbff<FPU,VME,DE,PSE,TSC,MSR,PAE,MCE,CX8,APIC,SEP,MTRR,PGE,MCA,CMOV,PAT,PSE36,CLFLUSH,DTS ,ACPI,MMX,FXSR,SSE,SSE2,SS,HTT,TM,PBE> Features2=0xe59d<SSE3,DTES64,MON,DS_CPL,EST,TM2,CNXT-ID,CX16,xTPR,PDCM> AMD Features=0x20100800<SYSCALL,NX,LM> AMD Features2=0x1<LAHF> real memory = 1037026304 (988 MB) Warning: nbufs capped at 7634 due to physmem avail memory = 936284160 (892 MB) lapic: divisor index 0, frequency 100003905 Hz Initialize MI interrupts VMM: VMX is not supported by this Intel CPU wdog: In-kernel automatic watchdog reset enabled kbd1 at kbdmux0 md0: Malloc disk ACPI: RSDP 0x000000000000FEBF0 000024 (v02 DELL) ACPI: XSDT 0x000000000000FD07A 00005C (v01 DELL B8K 00000014 ASL 00000061) ACPI: FACP 0x000000000000FD192 0000F4 (v03 DELL B8K 00000014 ASL 00000061) ACPI: DSDT 0x00000000FFFC3A8 0038C6 (v01 DELL dt_ex 00001000 INTL 20050624) ACPI: FACS 0x0000000003DE5C800 000040 ACPI: FACS 0x0000000003DE5C800 000040 ACPI: SSDT 0x00000000FFFCDD8F 0000AC (v01 DELL st_ex 00001000 INTL 20050624) ACPI: APIC 0x000000000000FD286 000092 (v01 DELL B8K 00000014 ASL 00000061) ACPI: BOOT 0x000000000000FD318 000028 (v01 DELL B8K 00000014 ASL 00000061) ACPI: MCFG 0x000000000000FD340 00003E (v01 DELL B8K 00000014 ASL 00000061)			

ACPI: HPET 0x0000000000FD37E 000038 (v01 DELL B8K 00000014 ASL 00000061)
ACPI: SLIC 0x0000000000FD3B6 0000C0 (v01 DELL B8K 00000014 ASL 00000061)
acpi0: <DELL B8K > on motherboard
ACPI: 2 ACPI AML tables successfully acquired and loaded
ACPI FADT: SCI testing interrupt mode ...
ACPI FADT: SCI select level/low
objcache_reclaimlist
objcache_reclaimlist
objcache_reclaimlist
objcache_reclaimlist
acpi0: Power Button (fixed)
acpi_timer0 on acpi0
acpi_hpet0: <High Precision Event Timer> iomem 0xfed00000-0xfed003ff on acpi0
acpi_hpet0: frequency 14318180
acpi_button0: <Power Button> on acpi0
pcib0: <ACPI Host-PCI bridge> port 0xcf8-0xcff on acpi0
pci0: <ACPI PCI bus> on pcib0
pcib1: <ACPI PCI-PCI bridge> at device 1.0 on pci0
pci1: <ACPI PCI bus> on pcib1
vgapci0: <VGA-compatible display> port 0xec00-0xecff mem 0xdfdf0000-0xdfdfffff,0xd0000000-0xd7ffff irq 17 at device 5.0 on pci1
vgapci0: Boot video device
ahci0: <ATI-SB600-SATA> port 0xfec0-0xfecf,0xfe30-0xfe33,0xfe20-0xfe27,0xfe10-0xfe13,0xfe00-0xfe07 mem 0xdfff6c00-0xdfff6fff irq 23 at device 18.0 on pci0
ahci0: AHCI 1.1 cap 0xf722ff83<S64A,NCQ,SSNTF,SMPS,SALP,SAL,SCLO,SPM,PMD,SSC,PSC,CCCS>, 4 ports, 32 tags/port, gen 2 (3Gbps)
ahci0.0: Caps 42006<HPCP,MPSS,POD,SUD>
ahci0.1: Caps 42006<HPCP,MPSS,POD,SUD>
ahci0.2: Caps 42006<HPCP,MPSS,POD,SUD>
ahci0.3: Caps 42006<HPCP,MPSS,POD,SUD>
ahci0.2: No device detected
ahci0.3: No device detected
ahci0.0: PMPROBE(2) No Port Multiplier was found.
ahci0.1: PMPROBE(2) No Port Multiplier was found.
ahci0.0: PMPROBE(2) No Port Multiplier was found.
ahci0.1: PMPROBE(2) No Port Multiplier was found.
ahci0.0: Found DISK "WDC WD800JD-75MSA3 10.01E04" serial="WD-WMAM9NY02964"
ahci0.0: tags=32/32 satacap=0706 satacap2=0000 satafea=004c NCQ=YES capacity=76293.94MB
ahci0.0: f85=7469 f86=3e01 f87=4023 WC=enabled RA=enabled SEC=frozen
ahci0.1: Found ATAPI "TSSTcorpDVD-ROM TS-H353B D200" serial=""
ahci0.1: tags=0/32 satacap=0002 satacap2=0000 satafea=0040 NCQ=NO capacity=1.00MB
ahci0.1: f85=0000 f86=0000 f87=4000 WC=notsupp RA=notsupp SEC=notsupp
ahci0.1: Cannot copy rfis, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00000020
ahci0.1: cmd 18: timeout
ahci0.1: Cannot copy rfis, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00000040
ahci0.1: cmd 18: timeout
ahci0.1: Cannot copy rfis, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00000080
ahci0.1: cmd 18: timeout
ahci0.1: Cannot copy rfis, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00000100
ahci0.1: cmd 18: timeout
ahci0.1: Cannot copy rfis, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot

ahci0.1: Failing all commands: 00000200
ahci0.1: cmd 18: timeout
ahci0.1: Cannot copy rfis, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00000400
ahci0.1: cmd 0: timeout
ohci0: <OHCI (generic) USB controller> mem 0xdfff7000-0xdfff7fff irq 16 at device 19.0 on pci0
usb0 on ohci0
ohci1: <OHCI (generic) USB controller> mem 0xdfff8000-0xdfff8fff irq 17 at device 19.1 on pci0
usb0: 12Mbps Full Speed USB v1.0
ugen0.1: <ATI> at usb0
uhub0: <ATI OHCI root HUB, class 9/0, rev 1.00/1.00, addr 1> on usb0
usb1 on ohci1
ohci2: <OHCI (generic) USB controller> mem 0xdfff9000-0xdfff9fff irq 18 at device 19.2 on pci0
usb1: 12Mbps Full Speed USB v1.0
ugen1.1: <ATI> at usb1
uhub1: <ATI OHCI root HUB, class 9/0, rev 1.00/1.00, addr 1> on usb1
uhub0: 2 ports with 2 removable, self powered
usb2 on ohci2
ohci3: <OHCI (generic) USB controller> mem 0xdfffa000-0xdfffafff irq 17 at device 19.3 on pci0
usb2: 12Mbps Full Speed USB v1.0
ugen2.1: <ATI> at usb2
uhub2: <ATI OHCI root HUB, class 9/0, rev 1.00/1.00, addr 1> on usb2
uhub1: 2 ports with 2 removable, self powered
usb3 on ohci3
ohci4: <OHCI (generic) USB controller> mem 0xdfffb000-0xdfffbfff irq 18 at device 19.4 on pci0
usb3: 12Mbps Full Speed USB v1.0
ugen3.1: <ATI> at usb3
uhub3: <ATI OHCI root HUB, class 9/0, rev 1.00/1.00, addr 1> on usb3
uhub2: 2 ports with 2 removable, self powered
usb4 on ohci4
ehci0: <EHCI (generic) USB 2.0 controller> mem 0xdfff6900-0xdfff69ff irq 19 at device 19.5 on pci0
ehci0: AMD SB600/700 quirk applied
usb5: EHCI version 1.0
usb4: 12Mbps Full Speed USB v1.0
ugen4.1: <ATI> at usb4
uhub4: <ATI OHCI root HUB, class 9/0, rev 1.00/1.00, addr 1> on usb4
usb5 on ehci0
pci0: <serial bus, SMBus> (vendor 0x1002, dev 0x4385) at device 20.0
atapci0: <ATI SB600 UDMA133 controller> port 0xffa0-0xffaf,0x376,0x170-0x177,0x3f6,0x1f0-0x1f7 irq 16 at device 20.1 on pci0
ata0: <ATA channel 0> on atapci0
ata1: <ATA channel 1> on atapci0
pci0: <multimedia, HDA> (vendor 0x1002, dev 0x4383) at device 20.2 irq 16
isab0: <PCI-ISA bridge> at device 20.3 on pci0
isa0: <ISA bus> on isab0
pcib2: <ACPI PCI-PCI bridge> at device 20.4 on pci0
pci2: <ACPI PCI bus> on pcib2
bfe0: <Broadcom BCM4401-B0 Fast Ethernet> mem 0xdfcfe000-0xdfcfffff irq 21 at device 9.0 on pci2
miibus0: <MII bus> on bfe0
ukphy0: <Generic IEEE 802.3u media interface> on miibus0
ukphy0: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, auto
usb5: 480Mbps High Speed USB v2.0
uhub3: 2 ports with 2 removable, self powered
bfe0: MAC address: 00:1a:a0:24:d1:de
cpu0: <ACPI CPU> on acpi0
cpu_cst0: <ACPI CPU C-State> on cpu0
clockmod0: <CPU clock modulation> on cpu0
ACPI: Enabled 1 GPEs in block 00 to 1F

cryptosoft0: <software crypto> on motherboard
orm0: <ISA Option ROMs> at iomem 0xc0000-0xc9fff,0xca000-0xcbfff on isa0
pmtimer0 on isa0
atkbd0: <Keyboard controller (i8042)> at port 0x60,0x64 on isa0
atkbd0: <AT Keyboard> irq 1 on atkbd0
kbd0 at atkbd0
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=0x300>
ugen5.1: <ATI> at usb5
uhub5: <ATI EHCI root HUB, class 9/0, rev 2.00/1.00, addr 1> on usb5
CAM: Configuring 4 busses
ahci0.1: Cannot copy rfid, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00000800
ahci0.1: cmd 0: timeout
ahci0.1: Cannot copy rfid, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00001000
ahci0.1: cmd 0: timeout
ahci0.1: Cannot copy rfid, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00002000
ahci0.1: cmd 0: timeout
uhub4: 2 ports with 2 removable, self powered
ahci0.1: Cannot copy rfid, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00004000
ahci0.1: cmd 0: timeout
ahci0.1: Cannot copy rfid, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00008000
ahci0.1: cmd 0: timeout
ahci0.1: Cannot copy rfid, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00040000
ahci0.1: cmd 18: timeout
ahci0.1: Cannot copy rfid, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00080000
ahci0.1: cmd 18: timeout
ahci0.1: Cannot copy rfid, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00100000
ahci0.1: cmd 18: timeout
ahci0.1: Cannot copy rfid, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00200000
ahci0.1: cmd 18: timeout
ahci0.1: Cannot copy rfid, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00400000
ahci0.1: cmd 18: timeout
CAM: finished configuring all busses
da0 at ahci0 bus 0 target 0 lun 0
da0: <SATA WDC WD800JD-75MS 10.0> Fixed Direct Access SCSI-4 device
da0: Serial Number WD-WMAM9NY02964
da0: 300.000MB/s transfers
da0: 76293MB (156250000 512 byte sectors: 255H 63S/T 9726C)
uhub5: 10 ports with 10 removable, self powered
no B_DEVMAGIC (bootdev=0)
Mounting root from hammer:serno/WD-WMAM9NY02964.s1d
HAMMER(ROOT) recovery check seqno=0aa1c660
HAMMER(ROOT) recovery range 3000000002d94358-3000000002d94358
HAMMER(ROOT) recovery nexto 3000000002d94358 endseqno=0aa1c661
HAMMER(ROOT) mounted clean, no recovery needed
DMA space used: 6288k, remaining available: 61064k

Mounting devfs
swap low/high-water marks set to 20970/31455

my custom kernel config:

History

#1 - 02/21/2016 10:29 PM - lhmwzy

my custom kernel config:

```
machine_arch x86_64
cpu HAMMER_CPU
ident fuhai
maxusers 0
#options CPU_DISABLE_AVX

#makeoptions DEBUG=-g #Build kernel with gdb(1) debug symbols

options INET #InterNETworking
#options INET6 #IPv6 communications protocols
options HAMMER #Hammer Filesystem
options NULLFS #NULL filesystem
options FFS #Berkeley Fast Filesystem
options FFS_ROOT #FFS usable as root device [keep this!]
options SOFTUPDATES #Enable FFS soft updates support
options UFS_DIRHASH #Improve performance on big directories
options MFS #Memory Filesystem
options TMPFS #Temporary Filesystem
options MD_ROOT #MD is a potential root device
options NFS #Network Filesystem
options NFS_ROOT #NFS usable as root device, NFS required
#options MSDOSFS #MSDOS Filesystem
#options CD9660 #ISO 9660 Filesystem
options PROCFS #Process filesystem
#options COMPAT_43 #Compatible with BSD 4.3
options SCSI_DELAY=5000 #Delay (in ms) before probing SCSI
options IFPOLL_ENABLE # Support mixed interrupt-polling
# handling of network device drivers
options UCONSOLE #Allow users to grab the console
options KTRACE #ktrace(1) support
options P1003_1B #Posix P1003_1B real-time extensions
options _KPOSIX_PRIORITY_SCHEDULING
options ICMP_BANDLIM #Rate limit bad replies
options KBD_INSTALL_CDEV # install a CDEV entry in /dev
#options AHC_REG_PRETTY_PRINT # Print register bitfields in debug
# output. Adds ~128k to driver.
#options AHD_REG_PRETTY_PRINT # Print register bitfields in debug
# output. Adds ~215k to driver.
options DSCHEM_FQ # Fair-queueing disk scheduler

# ALTQ
#options ALTQ #alternate queueing
#options ALTQ_CBQ #class based queueing
#options ALTQ_RED #random early detection
#options ALTQ_RIO #triple red for diffserv (needs RED)
#options ALTQ_HFSC #hierarchical fair service curve
#options ALTQ_PRIQ #priority queue
#options ALTQ_FAIRQ #fair queueing
#options ALTQ_NOPCC #don't use processor cycle counter
#options ALTQ_DEBUG #for debugging

# Debugging for Development
#options DDB
#options DDB_TRACE
#options INVARIANTS

device isa
device pci

# AHCI driver, this will override NATA for AHCI devices,
# both drivers may be included.
#
device ahci
```

```

# NEW-ATA (NATA) and ATAPI devices
#
device nata
device natadisk # ATA disk drives
#device natapicd # ATAPI CDROM drives
#device natapifd # ATAPI floppy drives
#device natapist # ATAPI tape drives
#device natapicam # Emulate ATAPI devices as SCSI
#device nataraid # support for ATA software RAID
# controllers
options ATA_STATIC_ID # Static device numbering

# SCSI Controllers
device ahc # AHA2940 and onboard AIC7xxx devices

# SCSI peripherals
device scbus # SCSI bus (required)
device da # Direct Access (disks)
device pass # Passthrough device (direct SCSI access)

# VirtIO support
#device virtio # VirtIO core
#device virtio_blk # VirtIO disk driver
#device vtnet # VirtIO network driver
#device virtio_pci # VirtIO transport over PCI bus

# atkbd0 controls both the keyboard and the PS/2 mouse
device atkbd0 at isa? port IO_KBD
device atkbd0 at atkbd? irq 1
device psm0 at atkbd? irq 12

device vga0 at isa?

# kbdmux is the keyboard multiplexer
device kbdmux

# splash screen/screen saver
pseudo-device splash

# syscons is the default console driver, resembling an SCO console
device sc0 at isa? flags 0x100
options SC_PIXEL_MODE # add support for the raster text mode

device agp # support several AGP chipsets

# Intel performance-energy bias
device perfbias
# Intel software controlled clock modulation
device clockmod

# HW monitoring devices
#device aps0 at isa? port 0x1600
device lm0 at isa? port 0x290
device it0 at isa? port 0x290
device it1 at isa? port 0xc00
device it2 at isa? port 0xd00
device it3 at isa? port 0x228
device wbsio0 at isa? port 0x2e
device wbsio1 at isa? port 0x4e
device lm#3 at wbsio?
# Intel Core and newer CPUs on-die digital thermal sensor support
device coretemp

# PCI Ethernet NICs.

# PCI Ethernet NICs that use the common MII bus controller code.
# NOTE: Be sure to keep the 'device miibus' line in order to use these NICs!
device miibus # MII bus support
device bfe # Broadcom BCM440x 10/100 Ethernet
device fxp # Intel EtherExpress PRO/100B (82557, 82558)
device rl # RealTek 8129/8139
device re # RealTek 8139C+/8169

# Pseudo devices - the number indicates how many units to allocate.
pseudo-device loop # Network loopback

```

```
pseudo-device ether # Ethernet support
#pseudo-device sl 1 # Kernel SLIP
#pseudo-device ppp 1 # Kernel PPP
pseudo-device tun # Packet tunnel.
pseudo-device pty # Pseudo-ttys (telnet etc)
pseudo-device md # Memory "disks"
pseudo-device vn # File image "disks"
#pseudo-device gif # IPv6 and IPv4 tunneling
#pseudo-device faith 1 # IPv6-to-IPv4 relaying (translation)
pseudo-device lagg
```

```
# CARP support
options CARP
pseudo-device carp
```

```
# The `bpf' pseudo-device enables the Berkeley Packet Filter.
# Be aware of the administrative consequences of enabling this!
pseudo-device bpf #Berkeley packet filter
```

```
pseudo-device crypto # core crypto support, used by wlan
```

```
# USB support
#
# NOTE: If you enable 'oldusb' you must also disable 'usb' and rebuild
# the world with WANT_OLDUSB=true in /etc/make.conf, in addition
# to rebuilding the kernel.
#
```

```
device usb # USB Bus (required)
device uhci
device ohci
device uhid
device ukbd # Keyboard
```

```
# FireWire support
device firewire # FireWire bus code
device sbp # SCSI over FireWire (Requires scbus and da)
device fwe # Ethernet over FireWire (non-standard!)
```

#2 - 02/21/2016 10:32 PM - lhmwzy

```
sysctl -a output:
kern.ostype: DragonFly
kern.osrelease: 4.4-RELEASE
kern.osrevision: 200708
kern.version: DragonFly v4.4.1.12.g25e86-RELEASE #0: Tue Jan 19 08:42:18
CST 2016
lhm@fuhai.com:/usr/obj/usr/src/sys/fuhai
```

```
kern.maxvnodes: 69685
kern.maxproc: 1924
kern.maxfiles: 30784
kern.argmax: 262144
kern.securelevel: -1
kern.hostname: fuhai.com
kern.hostid: 0
kern.clockrate: { hz = 100, tick = 10000, tickadj = 5, profhz = 128, stathz
= 128 }
kern.posix1version: 200112
kern.ngroups: 16
kern.job_control: 1
kern.saved_ids: 0
kern.boottime: { sec = 1456115394, nsec = 0 } Mon Feb 22 12:29:54 2016
kern.domainname:
kern.osreldate: 400400
kern.bootfile: /boot/kernel/kernel
kern.maxfilesperproc: 7696
kern.maxprocperuid: 481
kern.dumpdev: { major = 25, minor = 0x20001 }
kern.ipc.maxsockbuf: 524288
kern.ipc.sockbuf_waste_factor: 8
kern.ipc.somaxconn: 128
kern.ipc.max_linkhdr: 20
kern.ipc.max_protohdr: 40
kern.ipc.max_hdr: 60
```

kern.ipc.max_dataalen: 188
kern.ipc.nmbclusters: 2672
kern.ipc.msgseg: 2048
kern.ipc.msgssz: 8
kern.ipc.msgttl: 40
kern.ipc.msgmnb: 2048
kern.ipc.msgmni: 40
kern.ipc.msgmax: 16384
kern.ipc.semaem: 16384
kern.ipc.semvmx: 32767
kern.ipc.semusz: 232
kern.ipc.semume: 25
kern.ipc.semopm: 100
kern.ipc.semmsl: 32767
kern.ipc.semnu: 1024
kern.ipc.semms: 32767
kern.ipc.semni: 1024
kern.ipc.semmap: 128
kern.ipc.shm_allow_removed: 0
kern.ipc.shm_use_phys: 1
kern.ipc.shmall: 157882
kern.ipc.shmseg: 1024
kern.ipc.shmmni: 512
kern.ipc.shmmmin: 1
kern.ipc.shmmmax: 646684672
kern.ipc.m_defragfailure: 0
kern.ipc.m_defraguseless: 0
kern.ipc.m_defragbytes: 0
kern.ipc.m_defragpackets: 0
kern.ipc.mcl_cachefrac: 4
kern.ipc.mclph_cachefrac: 16
kern.ipc.mjcl_cachefrac: 4
kern.ipc.mjclph_cachefrac: 16
kern.ipc.nmbufs: 35616
kern.ipc.nmbjclusters: 1208
kern.ipc.mbtotypes: 0 516 0 0 0 0
kern.ipc.mbuf_wait: 32
kern.ipc.async_rcvd_drop_race: 0
kern.ipc.socreate_fast: 1
kern.ipc.soconnect_async: 1
kern.ipc.sendfile_async: 1
kern.ipc.soaccept_pred_fast: 1
kern.ipc.soclose_fast: 1
kern.ipc.maxsockets: 30784
kern.dummy: 0
kern.ps_strings: 140737488355296
kern.usrstack: 140737488355328
kern.logsigexit: 1
kern.iov_max: 1024
kern.maxposixlocksperuid: 7616
kern.cam.cam_srch_hi: 0
kern.cam.scsi_delay: 5000
kern.cam.da.da_send_ordered: 1
kern.cam.da.default_timeout: 60
kern.cam.da.retry_count: 4
kern.cam.da.0.minimum_cmd_size: 6
kern.elf64.fallback_brand: -1
kern.init_shutdown_timeout: 120
kern.init_path: /sbin/init:/sbin/oinit:/sbin/init.bak
kern.usched_global_cpumask: 1 0 0 0
kern.ckptfile: %N.ckpt
kern.ckptgroup: 0
kern.emergency_intr_freq: 10
kern.emergency_intr_enable: 0
kern.livelock_debug: -1
kern.livelock_lowater: 20000
kern.livelock_limit: 40000
kern.module_path: /boot/kernel
kern.acct_chkfreq: 15
kern.acct_resume: 4
kern.acct_suspend: 2
kern.basetime: { sec = 1456115395, nsec = 146777241 } Mon Feb 22 12:29:55
2016
kern.cp_time: 4856297 0 24453194 946324 7203580687
kern.mplock_strategies: 5

kern.mpsafe_strategies: 7417
kern.mplock_reads: 831
kern.mpsafe_reads: 3490
kern.mplock_writes: 68
kern.mpsafe_writes: 6911
kern.openfiles: 154
kern.maxfilesrootres: 1539
kern.maxfilesperuser: 15392
kern.minfilesperproc: 8
kern.kq_checkloop: 1000000
kern.kq_calloutmax: 4096
kern.stackgap_random: 1024
kern.debug_execve_args: 0
kern.ktrace_suid: 0
kern.ps_argsopen: 1
kern.ps_arg_cache_limit: 256
kern.maxusers: 119
kern.ident: FUHAI
kern.randompid: 0
kern.pid_inner_skips: 0
kern.pid_domain_skips: 89
kern.rand_mode: mixed
kern.nrandevents: 54442
kern.slab_freetotal: 0
kern.slabs_freed: 59
kern.slabs_allocated: 207
kern.zone_cache: 32
kern.zone_gen_alloc: 16384
kern.zone_big_alloc: 6428
kern.cputimer.intr.select: lapic
kern.cputimer.intr.freq: 100003905
kern.cputimer.intr.reglist: lapic
kern.cputimer.freq: 14318180
kern.cputimer.clock: 498558437
kern.cputimer.name: HPET
kern.cputimer.select: HPET ACPI-fast24 i8254_timer2 dummy
kern.shutdown.kproc_shutdown_wait: 60
kern.shutdown.poweroff_delay: 5000
kern.sync_on_panic: 0
kern.corefile: %N.core
kern.coredump: 1
kern.sugid_coredump: 0
kern.seedenable: 0
kern.usched_dummy_rrinterval: 5
kern.mtx_wakeup_count: 0
kern.mtx_collision_count: 0
kern.mtx_contention_count: 0
kern.fscale: 2048
kern.pctcpu_decay: 10
kern.quantum: 40000
kern.ntp.adjust: 0
kern.ntp.insert_leap_second: 0
kern.ntp.next_leap_second: 0
kern.ntp.default_tick_delta:
kern.ntp.tick_delta:
kern.ntp.big_delta: 1000000000
kern.ntp.delta: 0
kern.ntp.permanent: 51930449575900
kern.gettimeofday_quick: 0
kern.nanosleep_hard_us: 100
kern.nanosleep_min_us: 10
kern.watchdog.period: 30
kern.watchdog.auto: 1
kern.devstat.version: 4
kern.devstat.generation: 4
kern.devstat.numdevs: 4
kern.disk_debug: 0
kern.bioq_reorder_minor_bytes: 262144
kern.bioq_reorder_burst_bytes: 3000000
kern.bioq_reorder_minor_interval: 5
kern.bioq_reorder_burst_interval: 60
kern.disks: da0 md0 vn3 vn2 vn1 vn0
kern.log_wakeups_per_second: 5
kern.vmm_guest: none
kern.msgbuf_clear: 0

kern.msgbuf: Copyright (c) 2003-2015 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.
MPTABLE: use default configuration
DragonFly v4.4.1.12.g25e86-RELEASE #0: Tue Jan 19 08:42:18 CST 2016
lh@fuhai.com: /usr/obj/usr/src/sys/fuhai
TSC clock: 3200021008 Hz, i8254 clock: 1193148 Hz
CPU: Intel(R) Pentium(R) 4 CPU 3.20GHz (3200.13-MHz K8-class CPU)
Origin = "GenuineIntel" Id = 0xf65 Stepping = 5

Features=0xbfebfbbf<FPU,VME,DE,PSE,TSC,MSR,PAE,MCE,CX8,APIC,SEP,MTRR,PGE,MCA,CMOV,PAT,PSE36,CLFLUSH,DTS,ACPI,MMX,FXS
R,SSE,SSE2,SS,HTT,TM,PBE>
Features2=0xe59d<SSE3,DTES64,MON,DS_CPL,EST,TM2,CNXT-ID,CX16,xTPR,PDCM>
AMD Features=0x20100800<SYSCALL,NX,LM>
AMD Features2=0x1<LAHF>
real memory = 1037026304 (988 MB)
Warning: nbufs capped at 7634 due to physmem
avail memory = 936284160 (892 MB)
lapic: divisor index 0, frequency 100003905 Hz
Initialize MI interrupts
VMM: VMX is not supported by this Intel CPU
wdog: In-kernel automatic watchdog reset enabled
kbd1 at kbdmux0
md0: Malloc disk
ACPI: RSDP 0x000000000000FEBF0 000024 (v02 DELL)
ACPI: XSDT 0x000000000000FD07A 00005C (v01 DELL B8K 00000014 ASL
00000061)
ACPI: FACP 0x000000000000FD192 0000F4 (v03 DELL B8K 00000014 ASL
00000061)
ACPI: DSDT 0x00000000FFFC3A8 0038C6 (v01 DELL dt_ex 00001000 INTL
20050624)
ACPI: FACS 0x000000003DE5C800 000040
ACPI: FACS 0x000000003DE5C800 000040
ACPI: SSDT 0x00000000FFFCDD8F 0000AC (v01 DELL st_ex 00001000 INTL
20050624)
ACPI: APIC 0x000000000000FD286 000092 (v01 DELL B8K 00000014 ASL
00000061)
ACPI: BOOT 0x000000000000FD318 000028 (v01 DELL B8K 00000014 ASL
00000061)
ACPI: MCFG 0x000000000000FD340 00003E (v01 DELL B8K 00000014 ASL
00000061)
ACPI: HPET 0x000000000000FD37E 000038 (v01 DELL B8K 00000014 ASL
00000061)
ACPI: SLIC 0x000000000000FD3B6 0000C0 (v01 DELL B8K 00000014 ASL
00000061)
acpi0: <DELL B8K > on motherboard
ACPI: 2 ACPI AML tables successfully acquired and loaded
ACPI FADT: SCI testing interrupt mode ...
ACPI FADT: SCI select level/low
objcache_reclaimlist
objcache_reclaimlist
objcache_reclaimlist
objcache_reclaimlist
acpi0: Power Button (fixed)
acpi_timer0 on acpi0
acpi_hpet0: <High Precision Event Timer> iomem 0xfed00000-0xfed003ff on
acpi0
acpi_hpet0: frequency 14318180
acpi_button0: <Power Button> on acpi0
pcib0: <ACPI Host-PCI bridge> port 0xcf8-0xcff on acpi0
pci0: <ACPI PCI bus> on pcib0
pcib1: <ACPI PCI-PCI bridge> at device 1.0 on pci0
pci1: <ACPI PCI bus> on pcib1
vgapci0: <VGA-compatible display> port 0xec00-0xecff mem
0xdfdf0000-0xdfdfffff,0xd0000000-0xd7fffff irq 17 at device 5.0 on pci1
vgapci0: Boot video device
ahci0: <ATI-SB600-SATA> port
0xfec0-0xfecf,0xfe30-0xfe33,0xfe20-0xfe27,0xfe10-0xfe13,0xfe00-0xfe07 mem
0xdfff6c00-0xdfff6fff irq 23 at device 18.0 on pci0
ahci0: AHCI 1.1 cap
0xf722f83<S64A,NCQ,SSNTF,SMPS,SALP,SAL,SCLO,SPM,PMD,SSC,PSC,CCCS>, 4
ports, 32 tags/port, gen 2 (3Gbps)
ahci0.0: Caps 42006<HPCP,MPSS,POD,SUD>
ahci0.1: Caps 42006<HPCP,MPSS,POD,SUD>

ahci0.2: Caps 42006<HPCP,MPSS,POD,SUD>
ahci0.3: Caps 42006<HPCP,MPSS,POD,SUD>
ahci0.2: No device detected
ahci0.3: No device detected
ahci0.0: PMPROBE(2) No Port Multiplier was found.
ahci0.1: PMPROBE(2) No Port Multiplier was found.
ahci0.0: PMPROBE(2) No Port Multiplier was found.
ahci0.1: PMPROBE(2) No Port Multiplier was found.
ahci0.0: Found DISK "WDC WD800JD-75MSA3 10.01E04" serial="WD-WMAM9NY02964"
ahci0.0: tags=32/32 satacap=0706 satacap2=0000 satafea=004c NCQ=YES
capacity=76293.94MB
ahci0.0: f85=7469 f86=3e01 f87=4023 WC=enabled RA=enabled SEC=frozen
ahci0.1: Found ATAPI "TSSTcorpDVD-ROM TS-H353B D200" serial=""
ahci0.1: tags=0/32 satacap=0002 satacap2=0000 satafea=0040 NCQ=NO
capacity=1.00MB
ahci0.1: f85=0000 f86=0000 f87=4000 WC=notsupp RA=notsupp SEC=notsupp
ahci0.1: Cannot copy rfis, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00000020
ahci0.1: cmd 18: timeout
ahci0.1: Cannot copy rfis, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00000040
ahci0.1: cmd 18: timeout
ahci0.1: Cannot copy rfis, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00000080
ahci0.1: cmd 18: timeout
ahci0.1: Cannot copy rfis, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00000100
ahci0.1: cmd 18: timeout
ahci0.1: Cannot copy rfis, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00000200
ahci0.1: cmd 18: timeout
ahci0.1: Cannot copy rfis, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00000400
ahci0.1: cmd 0: timeout
ohci0: <OHCI (generic) USB controller> mem 0xdfff7000-0xdfff7fff irq 16 at
device 19.0 on pci0
usb0 on ohci0
ohci1: <OHCI (generic) USB controller> mem 0xdfff8000-0xdfff8fff irq 17 at
device 19.1 on pci0
usb0: 12Mbps Full Speed USB v1.0
ugen0.1: <ATI> at usb0
uhub0: <ATI OHCI root HUB, class 9/0, rev 1.00/1.00, addr 1> on usb0
usb1 on ohci1
ohci2: <OHCI (generic) USB controller> mem 0xdfff9000-0xdfff9fff irq 18 at
device 19.2 on pci0
usb1: 12Mbps Full Speed USB v1.0
ugen1.1: <ATI> at usb1
uhub1: <ATI OHCI root HUB, class 9/0, rev 1.00/1.00, addr 1> on usb1
uhub0: 2 ports with 2 removable, self powered
usb2 on ohci2
ohci3: <OHCI (generic) USB controller> mem 0xdfffa000-0xdfffafff irq 17 at
device 19.3 on pci0
usb2: 12Mbps Full Speed USB v1.0
ugen2.1: <ATI> at usb2
uhub2: <ATI OHCI root HUB, class 9/0, rev 1.00/1.00, addr 1> on usb2
uhub1: 2 ports with 2 removable, self powered
usb3 on ohci3
ohci4: <OHCI (generic) USB controller> mem 0xdfffb000-0xdfffbfff irq 18 at
device 19.4 on pci0
usb3: 12Mbps Full Speed USB v1.0
ugen3.1: <ATI> at usb3
uhub3: <ATI OHCI root HUB, class 9/0, rev 1.00/1.00, addr 1> on usb3
uhub2: 2 ports with 2 removable, self powered
usb4 on ohci4
ehci0: <EHCI (generic) USB 2.0 controller> mem 0xdfff6900-0xdfff69ff irq 19
at device 19.5 on pci0
ehci0: AMD SB600/700 quirk applied
usb5: EHCI version 1.0
usb4: 12Mbps Full Speed USB v1.0

ugen4.1: <ATI> at usb4
uhub4: <ATI OHCI root HUB, class 9/0, rev 1.00/1.00, addr 1> on usb4
usb5 on ehci0
pci0: <serial bus, SMBus> (vendor 0x1002, dev 0x4385) at device 20.0
atapci0: <ATI SB600 UDMA133 controller> port
0xffa0-0xffaf,0x376,0x170-0x177,0x3f6,0x1f0-0x1f7 irq 16 at device 20.1 on
pci0
ata0: <ATA channel 0> on atapci0
ata1: <ATA channel 1> on atapci0
pci0: <multimedia, HDA> (vendor 0x1002, dev 0x4383) at device 20.2 irq 16
isab0: <PCI-ISA bridge> at device 20.3 on pci0
isa0: <ISA bus> on isab0
pcib2: <ACPI PCI-PCI bridge> at device 20.4 on pci0
pci2: <ACPI PCI bus> on pcib2
bfe0: <Broadcom BCM4401-B0 Fast Ethernet> mem 0xdfcfe000-0xdfcffff irq 21
at device 9.0 on pci2
miiibus0: <MII bus> on bfe0
ukphy0: <Generic IEEE 802.3u media interface> on miiibus0
ukphy0: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, auto
usb5: 480Mbps High Speed USB v2.0
uhub3: 2 ports with 2 removable, self powered
bfe0: MAC address: 00:1a:a0:24:d1:de
cpu0: <ACPI CPU> on acpi0
cpu_cst0: <ACPI CPU C-State> on cpu0
clockmod0: <CPU clock modulation> on cpu0
ACPI: Enabled 1 GPEs in block 00 to 1F
cryptosoft0: <software crypto> on motherboard
orm0: <ISA Option ROMs> at iomem 0xc0000-0xc9fff,0xca000-0xcbfff on isa0
pmtimer0 on isa0
atkbd0: <Keyboard controller (i8042)> at port 0x60,0x64 on isa0
atkbd0: <AT Keyboard> irq 1 on atkbd0
kbd0 at atkbd0
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=0x300>
ugen5.1: <ATI> at usb5
uhub5: <ATI EHCI root HUB, class 9/0, rev 2.00/1.00, addr 1> on usb5
CAM: Configuring 4 busses
ahci0.1: Cannot copy rfis, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00000800
ahci0.1: cmd 0: timeout
ahci0.1: Cannot copy rfis, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00001000
ahci0.1: cmd 0: timeout
ahci0.1: Cannot copy rfis, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00002000
ahci0.1: cmd 0: timeout
uhub4: 2 ports with 2 removable, self powered
ahci0.1: Cannot copy rfis, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00004000
ahci0.1: cmd 0: timeout
ahci0.1: Cannot copy rfis, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00008000
ahci0.1: cmd 0: timeout
ahci0.1: Cannot copy rfis, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00040000
ahci0.1: cmd 18: timeout
ahci0.1: Cannot copy rfis, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00080000
ahci0.1: cmd 18: timeout
ahci0.1: Cannot copy rfis, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00100000
ahci0.1: cmd 18: timeout
ahci0.1: Cannot copy rfis, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00200000
ahci0.1: cmd 18: timeout

ahci0.1: Cannot copy rfid, CCB slot 0 is not on-chip (state=6)
ahci0.1: TFES: Unable to determine errored slot
ahci0.1: Failing all commands: 00400000
ahci0.1: cmd 18: timeout
CAM: finished configuring all busses
da0 at ahci0 bus 0 target 0 lun 0
da0: <SATA WDC WD800JD-75MS 10.0> Fixed Direct Access SCSI-4 device
da0: Serial Number WD-WMAM9NY02964
da0: 300.000MB/s transfers
da0: 76293MB (156250000 512 byte sectors: 255H 63S/T 9726C)
uhub5: 10 ports with 10 removable, self powered
no B_DEVMAGIC (bootdev=0)
Mounting root from hammer:serno/WD-WMAM9NY02964.s1d
HAMMER(ROOT) recovery check seqno=0aa1c660
HAMMER(ROOT) recovery range 3000000002d94358-3000000002d94358
HAMMER(ROOT) recovery nexto 3000000002d94358 endseqno=0aa1c661
HAMMER(ROOT) mounted clean, no recovery needed
DMA space used: 6288k, remaining available: 61064k
Mounting devfs
<118>Loading configuration files.
<118>Loading devfs rules:
<118> /etc/defaults/devfs.conf
<118>.
<118>Initializing random seed:
<118>done.
<118>dumpon: crash dumps to /dev/serno/WD-WMAM9NY02964.s1b (25, 0x20001)
<118>Starting file system checks:
<118>/dev/serno/WD-WMAM9NY02964.s1a:
<118>FILESYSTEM CLEAN; SKIPPING CHECKS
<118>/dev/serno/WD-WMAM9NY02964.s1a:
<118>clean, 351933 free
<118>(45 frags, 43986 blocks, 0.0% fragmentation)
<118>Setting hostname: fuhai.com.
<118>lo0: flags=8049<UP,LOOPBACK,RUNNING,MULTICAST> mtu 16384
<118> options=3<RXCSUM,TXCSUM>
<118> inet 127.0.0.1 netmask 0xff000000
<118>bfe0: flags=8843<UP,BROADCAST,RUNNING,SIMPLEX,MULTICAST> mtu 1500
<118> options=8<VLAN_MTU>
<118> inet 218.59.182.6 netmask 0xffffffc broadcast 218.59.182.7
<118> ether 00:1a:a0:24:d1:de
<118> media: Ethernet autoselect (none)
<118> status: no carrier
<118>add net default: gateway 218.59.182.5
<118>Additional routing options:
<118>.
<118>Starting devd.
<118>Mounting NFS file systems:
<118>.
<118>Building databases...
<118>Starting syslogd.
<118>Feb 22 12:30:30 fuhai syslogd: kernel boot file is /boot/kernel/kernel
<118>No core dumps found.
swap low/high-water marks set to 20970/31455
<118>swapon: adding /dev/serno/WD-WMAM9NY02964.s1b as swap device
<118>.
<118>ELF ldconfig path: /lib /usr/lib /usr/local/lib
/usr/local/libdata/ldconfig/mysql
<118>Starting dnptd.
<118>Starting local daemons:
<118>.
<118>Updating motd.
<118>Starting powerd.
<118>Configuring syscons:
<118> blanktime
<118>.
<118>Starting sshd.
<118>Additional ABI support:
<118>.
<118>Starting cron.
<118>Local package initialization:
<118>Starting php_fpm.
<118>Starting openresty.
<118>Starting mysql.
<118>.
<118>Additional TCP options:

<118>.
<118>
<118>Mon Feb 22 12:30:41 CST 2016
<118>Feb 22 13:33:52 fuhai su: lhm to root on /dev/pts/0
<118>Feb 22 13:42:38 fuhai su: BAD SU lhm to root on /dev/pts/0
<118>Feb 22 13:42:40 fuhai su: lhm to root on /dev/pts/0

kern.kprintf_logging: 5
kern.log_console_output: 1
kern.nseldebug: 0
kern.nselcoll: 0
kern.pipe.bkmem_alloc: 14
kern.pipe.bcache_alloc: 2060
kern.pipe.delay: 5000
kern.pipe.maxbig: 64
kern.pipe.maxcache: 16
kern.pipe.wblocked: 88
kern.pipe.rblocked: 30395
kern.pipe.bigcount: 0
kern.pipe.nbig: 0
kern.mqueue.mq_max_maxmsg: 512
kern.mqueue.mq_def_maxmsg: 32
kern.mqueue.mq_max_msgsize: 16384
kern.mqueue.mq_prio_max: 32
kern.mqueue.mq_open_max: 512
kern.tk_nout: 182162
kern.tk_nin: 581
kern.consmute: 0
kern.console_rdev: 5632
kern.sysbeep_enable: 1
kern.alt_break_to_debugger: 0
kern.break_to_debugger: 0
kern.pty_debug: 0
kern.metadelay: 28
kern.dirdelay: 29
kern.filedelay: 30
kern.syncdelay: 30
kern.chroot_allow_open_directories: 1
kern.cryptoaltdispatch: 0
kern.cryptodevallowsoft: 0
kern.userasymcrypto: 1
kern.syscons_async: 0
kern.usched_bsd4.rinterval: 5
kern.usched_bsd4.decay: 8
kern.usched_bsd4.batch_time: 10
kern.usched_bsd4.kicks: 0
kern.usched_bsd4.smt: NOT SUPPORTED
kern.usched_bsd4.cache_coherent: NOT SUPPORTED
kern.usched_dfly.rinterval: 5
kern.usched_dfly.decay: 8
kern.usched_dfly.smt: NOT SUPPORTED
kern.usched_dfly.cache_coherent: NOT SUPPORTED
vm.loadavg: { 0.00 0.00 0.00 }
vm.v_free_min: 1242
vm.v_free_target: 5596
vm.v_free_reserved: 628
vm.v_inactive_target: 50866
vm.v_cache_min: 5596
vm.v_cache_max: 11192
vm.v_pageout_free_min: 317
vm.filemem_decline: 2
vm.swap_enabled: 1
vm.read_shortcut_failed: 491
vm.read_shortcut_count: 51394
vm.read_shortcut_enable: 1
vm.report_swap_allocs: 0
vm.swap_size: 524256
vm.swap_anon_use: 0
vm.swap_cache_use: 0
vm.swap_burst_read: 0
vm.swap_async_max: 4
vm.fast_fault: 1
vm.prefault_pages: 8
vm.shared_miss: 80
vm.shared_count: 313228

vm.shared_hit: 0
vm.shared_fault: 1
vm.debug_cluster: 0
vm.debug_fault: 0
vm.swap_idle_threshold2: 60
vm.swap_idle_threshold1: 15
vm.kvm_free: 135603941376
vm.kvm_size: 137424269312
vm.map_relock_enable: 1
vm.randomize_mmap: 0
vm.stats.misc.zero_page_count: 79926
vm.stats.vm.v_interrupt_free_min: 162
vm.stats.vm.v_pageout_free_min: 317
vm.stats.vm.v_cache_max: 11192
vm.stats.vm.v_cache_min: 5596
vm.stats.vm.v_cache_count: 116
vm.stats.vm.v_inactive_count: 11668
vm.stats.vm.v_inactive_target: 50866
vm.stats.vm.v_active_count: 53666
vm.stats.vm.v_wire_count: 70990
vm.stats.vm.v_free_count: 100383
vm.stats.vm.v_free_min: 1242
vm.stats.vm.v_free_target: 5596
vm.stats.vm.v_free_reserved: 628
vm.stats.vm.v_page_count: 236823
vm.stats.vm.v_page_size: 4096
vm.stats.vm.v_kthreadpages: 0
vm.stats.vm.v_rforkpages: 0
vm.stats.vm.v_vforkpages: 49678
vm.stats.vm.v_forkpages: 42854
vm.stats.vm.v_kthreads: 1
vm.stats.vm.v_rforks: 0
vm.stats.vm.v_vforks: 648
vm.stats.vm.v_forks: 1147
vm.stats.vm.v_tfree: 416817
vm.stats.vm.v_pfree: 86862
vm.stats.vm.v_dfree: 0
vm.stats.vm.v_pdpages: 0
vm.stats.vm.v_ppwakeups: 0
vm.stats.vm.v_pdwakeups: 0
vm.stats.vm.v_reactivated: 0
vm.stats.vm.v_intrans: 16
vm.stats.vm.v_vnodepgsout: 0
vm.stats.vm.v_vnodepgsin: 282
vm.stats.vm.v_vnodeout: 0
vm.stats.vm.v_vnodein: 282
vm.stats.vm.v_swappgsout: 0
vm.stats.vm.v_swappgsin: 0
vm.stats.vm.v_swapout: 0
vm.stats.vm.v_swapin: 0
vm.stats.vm.v_ozfod: 103009
vm.stats.vm.v_zfod: 144448
vm.stats.vm.v_cow_optim: 0
vm.stats.vm.v_cow_faults: 48677
vm.stats.vm.v_vm_faults: 674187
vm.stats.sys.v_soft: 1729
vm.stats.sys.v_timer: 2094217
vm.stats.sys.v_ipi: 0
vm.stats.sys.v_intr: 2118024
vm.stats.sys.v_syscall: 3201109
vm.stats.sys.v_trap: 0
vm.stats.sys.v_forwarded_misses: 0
vm.stats.sys.v_forwarded_hits: 0
vm.stats.sys.v_forwarded_ints: 0
vm.stats.sys.v_intrans_wait: 0
vm.stats.sys.v_intrans_coll: 0
vm.stats.sys.v_swch: 1077091
vm.v_free_severe: 621
vm.vkernel_enable: 0
vm.max_proc_mmap: 13213872
vm.dma_free_pages: 15266
vm.dma_reserved: 62529536
vm.pageout_lock_miss: 0
vm.disable_swapspace_pageouts: 0
vm.defer_swapspace_pageouts: 0

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vm.swap_idle_enabled: 0
vm.pageout_stats_free_max: 5
vm.pageout_stats_interval: 5
vm.pageout_full_stats_interval: 20
vm.pageout_stats_max: 5596
vm.max_laundry: 4096
vm.page_free_hysteresis: 16
vm.swapcache.cleanperobj: 16777216
vm.swapcache.write_count: 0
vm.swapcache.accrate: 100000
vm.swapcache.maxfilesize: 0
vm.swapcache.maxburst: 2000000000
vm.swapcache.curburst: 4000000000
vm.swapcache.minburst: 10000000
vm.swapcache.use_chflags: 1
vm.swapcache.min_hysteresis: 1024
vm.swapcache.hysteresis: 1024
vm.swapcache.maxswappct: 75
vm.swapcache.read_enable: 0
vm.swapcache.meta_enable: 0
vm.swapcache.data_enable: 0
vm.swapcache.maxscan: 2048
vm.swapcache.maxlaundry: 1024
vm.nswapdev: 4
vm.idlezero_count: 199900
vm.idlezero_nocache: 1
vm.idlezero_rate: 20000
vm.idlezero_enable: 1
vm.zone_kern_pages: 116
vm.zone_kmem_kvaspace: 893521920
vm.zone_burst: 32
vm.zone_kmem_pages: 2
vm.zone:
ITEM      SIZE  LIMIT  USED  FREE  REQUESTS

SWAPMETA: 000192, 03050402, 000000, 000021, 00000001
PV ENTRY: 000080, 04101440, 080414, 173077, 00799566
MAP ENTRY: 000104, 00000000, 001366, 007850, 00008517
MAP:      000272, 00000000, 000000, 000010, 00000000
VM OBJECT: 000296, 00000000, 001729, 000035, 00021851
vfs.hammer.fsync_mode: 3
vfs.hammer.yield_check: 16
vfs.hammer.btree_full_undo: 1
vfs.hammer.double_buffer: 0
vfs.hammer.write_mode: 0
vfs.hammer.verify_data: 1
vfs.hammer.verify_zone: 0
vfs.hammer.autoflush: 500
vfs.hammer.contention_count: 28
vfs.hammer.zone_limit: 0
vfs.hammer.count_io_running_write: 0
vfs.hammer.count_io_locked: 0
vfs.hammer.count_io_running_read: 0
vfs.hammer.count_reservations: 0
vfs.hammer.count_refedbufs: 0
vfs.hammer.count_dirtybufspace: 0
vfs.hammer.live_dedup_bmap_saves: 0
vfs.hammer.live_dedup_findblk_failures: 0
vfs.hammer.live_dedup_device_bcmps: 0
vfs.hammer.live_dedup_vnode_bcmps: 0
vfs.hammer.stats_redo: 5137032
vfs.hammer.stats_undo: 3935840
vfs.hammer.stats_commits: 158
vfs.hammer.stats_inode_flushes: 1223
vfs.hammer.stats_disk_write: 45514752
vfs.hammer.stats_disk_read: 152731648
vfs.hammer.stats_file_iopsw: 6847
vfs.hammer.stats_file_iopsr: 166177
vfs.hammer.stats_file_write: 6040711
vfs.hammer.stats_file_read: 42007476
vfs.hammer.stats_record_iterations: 567
vfs.hammer.stats_btree_root_iterations: 2157
vfs.hammer.stats_btree_iterations: 766669
vfs.hammer.stats_btree_splits: 10
vfs.hammer.stats_btree_elements: 218183

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vfs.hammer.stats_btree_deletes: 45
vfs.hammer.stats_btree_inserts: 631
vfs.hammer.stats_btree_lookups: 7678
vfs.hammer.stats_btree_searches: 7682
vfs.hammer.count_extra_space_used: 292736148
vfs.hammer.count_nodes: 13784
vfs.hammer.count_buffers: 5861
vfs.hammer.count_volumes: 1
vfs.hammer.count_record_datas: 1
vfs.hammer.count_records: 1
vfs.hammer.count_reclaims: 0
vfs.hammer.count_iqueued: 0
vfs.hammer.count_inodes: 1277
vfs.hammer.count_fsyncs: 1085
vfs.hammer.limit_redo: 4194304
vfs.hammer.live_dedup_cache_size: 4096
vfs.hammer.limit_reclaims: 6968
vfs.hammer.limit_inode_recs: 2048
vfs.hammer.limit_recs: 189440
vfs.hammer.limit_dirtybufspace: 124911616
vfs.hammer.tdmux_ticks: 20
vfs.hammer.live_dedup: 0
vfs.hammer.cluster_enable: 1
vfs.hammer.debug_critical: 0
vfs.hammer.debug_recover_faults: 0
vfs.hammer.debug_recover: 0
vfs.hammer.debug_tid: 0
vfs.hammer.debug_btree: 0
vfs.hammer.debug_locks: 0
vfs.hammer.debug_inode: 0
vfs.hammer.debug_io: 0
vfs.hammer.debug_general: 0
vfs.hammer.supported_version: 6
vfs.nfs.nfs_privport: 0
vfs.nfs.commit_miss: 0
vfs.nfs.commit_blks: 0
vfs.nfs.async: 0
vfs.nfs.maxasyncbio: 55
vfs.nfs.showrexmit: 0
vfs.nfs.showrwt: 0
vfs.nfs.realign_count: 0
vfs.nfs.realign_test: 0
vfs.nfs.soreserve: 2123008
vfs.nfs.gatherdelay_v3: 0
vfs.nfs.gatherdelay: 20000
vfs.nfs.diskless_swappath:
vfs.nfs.diskless_rootpath:
vfs.nfs.diskless_valid: 0
vfs.nfs.nfs_io_size: 32768
vfs.nfs.nfs_ip_paranoia: 1
vfs.nfs.nfsv3_commit_on_close: 0
vfs.nfs.pos_cache_timeout: 3
vfs.nfs.neg_cache_timeout: 3
vfs.nfs.access_cache_timeout: 10
vfs.nfs.flush_on_hlink: 0
vfs.nfs.flush_on_rename: 1
vfs.devfs.debug: 0
vfs.ufs.dirhash_docheck: 0
vfs.ufs.dirhash_mem: 6569
vfs.ufs.dirhash_maxmem: 2097152
vfs.ufs.dirhash_minsize: 2560
vfs.debug_bufbio: 0
vfs.debug_commit: 0
vfs.buffreuscnt: 7623
vfs.buffreekvacnt: 0
vfs.buffdefragcnt: 0
vfs.recoverbufcalls: 0
vfs.getnewbufrestarts: 0
vfs.getnewbufcalls: 10229
vfs.bufmalloospace: 0
vfs.maxmalloospace: 24982323
vfs.bufspace: 499580928
vfs.lobufspace: 499580928
vfs.hibufspace: 499646464
vfs.maxbufspace: 500301824

vfs.runningbufcount: 0
vfs.runningbufspace: 0
vfs.dirtybufcounthw: 5
vfs.dirtybufcount: 5
vfs.dirtybufspacehw: 81920
vfs.dirtybufspace: 81920
vfs.dirtykvaspace: 327680
vfs.nbuf: 7634
vfs.vm_cycle_point: 40
vfs.lowmempgfails: 0
vfs.lowmempgallocs: 0
vfs.hirunningspace: 31227904
vfs.lorunningspace: 524288
vfs.hidirtybufspace: 249823232
vfs.lodirtybufspace: 124911616
vfs.cache.numfullpathfound: 108
vfs.cache.numfullpathfailsz: 0
vfs.cache.numfullpathfailf: 0
vfs.cache.numfullpathcalls: 4294967188
vfs.cache.numcwfdfound: 825
vfs.cache.numcwfdfailsz: 0
vfs.cache.numcwfdfailf: 0
vfs.cache.numcwfdfcalls: 825
vfs.cache.numchecks: 117877
vfs.cache.numcalls: 122536
vfs.cache.numcache: 1370
vfs.cache.numneg: 965
vfs.max_readahead: 2097152
vfs.write_behind_minfilesize: 10485760
vfs.write_behind: 1
vfs.real_root:
vfs.varsym_enable: 0
vfs.timestamp_precision: 0
vfs.check_buf_overlap: 2
vfs.reassignbufcalls: 2507
vfs.quota_enabled: 0
vfs.usermount: 0
vfs.ffs.doreallocblks: 1
vfs.ffs.doasyncfree: 1
vfs.pbuf_kva_count: 256
vfs.pbuf_raw_count: 15268
net.local.stream.recvspace: 57344
net.local.stream.sendspace: 57344
net.local.dgram.recvspace: 4096
net.local.dgram.maxdgram: 2048
net.local.inflight: 0
net.inet.ip.portrange.hilast: 65535
net.inet.ip.portrange.hifirst: 49152
net.inet.ip.portrange.last: 5000
net.inet.ip.portrange.first: 1024
net.inet.ip.portrange.lowlast: 600
net.inet.ip.portrange.lowfirst: 1023
net.inet.ip.forwarding: 0
net.inet.ip.redirect: 1
net.inet.ip.ttl: 64
net.inet.ip.rtxpire: 3600
net.inet.ip.rtmminexpire: 10
net.inet.ip.rtmmaxcache: 128
net.inet.ip.sourceroute: 0
net.inet.ip.accept_sourceroute: 0
net.inet.ip.fastforwarding: 0
net.inet.ip.keepfaith: 0
net.inet.ip.subnets_are_local: 0
net.inet.ip.porthash_trycount: 15
net.inet.ip.dummynet.cpu: 0
net.inet.ip.ipflow.inuse0: 0
net.inet.ip.hash_count: 0
net.inet.ip.check_interface: 0
net.inet.ip.random_id: 1
net.inet.ip.sendsourcequench: 0
net.inet.ip.maxfragsperpacket: 16
net.inet.ip.maxfragpackets: 83
net.inet.ip.rfc6864: 1
net.inet.icmp.maskrepl: 0
net.inet.icmp.icmplim: 200

net.inet.icmp.reply_from_interface: 0
net.inet.icmp.reply_src: 0
net.inet.icmp.bmcastecho: 0
net.inet.icmp.icmplim_output: 0
net.inet.icmp.discard_sourcequench: 1
net.inet.icmp.log_redirect: 0
net.inet.icmp.drop_redirect: 0
net.inet.tcp.rfc1323: 1
net.inet.tcp.mssdflt: 512
net.inet.tcp.keepidle: 7200000
net.inet.tcp.keepintvl: 75000
net.inet.tcp.sendspace: 57344
net.inet.tcp.recvspace: 57344
net.inet.tcp.keepinit: 75000
net.inet.tcp.delacktime: 100
net.inet.tcp.reuseport_ext: 1
net.inet.tcp.ignore_redun_dsack: 1
net.inet.tcp.sosend_jcluster: 1
net.inet.tcp.sosend_async: 1
net.inet.tcp.sosend_agglim: 2
net.inet.tcp.recvbuf_max: 2097152
net.inet.tcp.recvbuf_inc: 16384
net.inet.tcp.recvbuf_auto: 1
net.inet.tcp.reass.overflows: 0
net.inet.tcp.reass.cursegments: 0
net.inet.tcp.reass.maxsegments: 167
net.inet.tcp.rfc6675_rxt: 0
net.inet.tcp.rfc6675: 1
net.inet.tcp.force_sackrxt: 1
net.inet.tcp.rescuesack_agg: 0
net.inet.tcp.rescuesack: 1
net.inet.tcp.smartsack: 1
net.inet.tcp.sack: 1
net.inet.tcp.paws_tolerance: 25
net.inet.tcp.abc: 1
net.inet.tcp.eifel: 1
net.inet.tcp.aggregate_acks: 1
net.inet.tcp.earlyretransmit: 1
net.inet.tcp.limitedtransmit: 1
net.inet.tcp.delayed_ack: 1
net.inet.tcp.blackhole: 0
net.inet.tcp.log_in_vain: 0
net.inet.tcp.fairsend: 4
net.inet.tcp.tso: 1
net.inet.tcp.idle_restart: 1
net.inet.tcp.idle_cvw: 1
net.inet.tcp.prio_synack: 1
net.inet.tcp.sendbuf_max: 2097152
net.inet.tcp.sendbuf_min: 32768
net.inet.tcp.sendbuf_inc: 8192
net.inet.tcp.sendbuf_auto: 1
net.inet.tcp.avoid_pure_win_update: 1
net.inet.tcp.path_mtu_discovery: 1
net.inet.tcp.ncr_rxtthresh_max: 16
net.inet.tcp.ncr: 1
net.inet.tcp.low_rtobase: 1
net.inet.tcp.iwcapsegs: 4
net.inet.tcp.iwmaxsegs: 4
net.inet.tcp.rfc3390: 1
net.inet.tcp.inflight_adjrtt: 2
net.inet.tcp.inflight_stab: 50
net.inet.tcp.inflight_max: 1073725440
net.inet.tcp.inflight_min: 6144
net.inet.tcp.inflight_start: 33792
net.inet.tcp.inflight_debug: 0
net.inet.tcp.inflight_enable: 1
net.inet.tcp.isn_reseed_interval: 0
net.inet.tcp.icmp_may_rst: 1
net.inet.tcp.do_tcpdrain: 1
net.inet.tcp.tcbhashsize: 512
net.inet.tcp.minmss: 256
net.inet.tcp.syncache.rexmtlimit: 4
net.inet.tcp.syncache.hashsize: 512
net.inet.tcp.syncache.cachelimit: 15360
net.inet.tcp.syncache.bucketlimit: 30

net.inet.tcp.syncookies: 1
net.inet.tcp.eifel_rtoinc: 20
net.inet.tcp.eifel_response: 1
net.inet.tcp.keepcnt: 8
net.inet.tcp.always_keeplive: 1
net.inet.tcp.rexmit_slop: 100
net.inet.tcp.rexmit_min: 500
net.inet.tcp.msl: 30000
net.inet.tcp.disable_nopush: 1
net.inet.tcp.lportext: 1
net.inet.udp.checksum: 1
net.inet.udp.maxdgram: 9216
net.inet.udp.recvspace: 41600
net.inet.udp.reuseport_ext: 1
net.inet.udp.sosend_prepend: 1
net.inet.udp.sosend_async: 1
net.inet.udp.strict_mcast_mship: 1
net.inet.udp.blackhole: 0
net.inet.udp.log_in_vain: 0
net.inet.carp.allow: 1
net.inet.carp.preempt: 0
net.inet.carp.log: 1
net.inet.carp.arbalance: 0
net.inet.carp.prio_ad: 1
net.inet.carp.suppress_preempt: 0
net.inet.raw.recvspace: 8192
net.inet.raw.maxdgram: 8192
net.inet.accf.unloadable: 0
net.link.generic.system.ifcount: 2
net.link.ether.inet.log_arp_creation_failure: 1
net.link.ether.inet.log_arp_permanent_modify: 1
net.link.ether.inet.log_arp_movements: 1
net.link.ether.inet.log_arp_wrong_iface: 1
net.link.ether.inet.refresh: 60
net.link.ether.inet.restricted_match: 0
net.link.ether.inet.proxyall: 0
net.link.ether.inet.useloopback: 1
net.link.ether.inet.maxtries: 5
net.link.ether.inet.host_down_time: 20
net.link.ether.inet.max_age: 1200
net.link.ether.inet.prune_intvl: 300
net.link.ether.always_ckhash: 0
net.link.ether.input_wronghwhash: 0
net.link.ether.tsolen: 6000
net.link.ether.input_wronghash: 0
net.link.ether.prepend_hdr: 0
net.link.ether.restore_hdr: 0
net.link.ether.ipfw: 0
net.link.ether.debug: 0
net.link.stats_compat: 0
net.link.stage_cntmax: 4
net.link.lagg.lacp.debug: 0
net.link.lagg.default_use_flowid: 1
net.link.lagg.failover_rx_all: 0
net.ifpoll.0.pollhz: 6000
net.ifpoll.0.status_frac: 120
net.ifpoll.0.tx_frac: 1
net.ifpoll.0.status.handlers: 0
net.ifpoll.0.rx.burst_max: 250
net.ifpoll.0.rx.each_burst: 50
net.ifpoll.0.rx.burst: 50
net.ifpoll.0.rx.user_frac: 50
net.ifpoll.0.rx.kern_frac: 0
net.ifpoll.0.rx.residual_burst: 0
net.ifpoll.0.rx.phase: 0
net.ifpoll.0.rx.suspect: 0
net.ifpoll.0.rx.stalled: 0
net.ifpoll.0.rx.short_ticks: 0
net.ifpoll.0.rx.lost_polls: 0
net.ifpoll.0.rx.pending_polls: 0
net.ifpoll.0.rx.handlers: 0
net.ifpoll.0.tx.phase: 0
net.ifpoll.0.tx.suspect: 0
net.ifpoll.0.tx.stalled: 0
net.ifpoll.0.tx.short_ticks: 0

net.ifpoll.0.tx.lost_polls: 0
net.ifpoll.0.tx.pending_polls: 0
net.ifpoll.0.tx.handlers: 0
net.filters_default_to_accept: 0
net.netisr.rollup_limit: 32
net.route.assert_owner_access: 1
net.toeplitz.keyseed1: 90
net.toeplitz.keyseed0: 109
debug.firewire_debug: 0
debug.fwmem_debug: 0
debug.if_fwe_debug: 0
debug.sbp_debug: 0
debug.mddebug: 0
debug.elf64_legacy_core_dump: 0
debug.boothowto: 536870912
debug.dev_refs: 0
debug.fdexpand: 33
debug.sizeof.cdev: 336
debug.sizeof.proc: 1248
debug.sizeof.vnode: 400
debug.sizeof.disk: 1296
debug.sizeof.disklices: 4128
debug.sizeof.buf: 1320
debug.bootverbose: 0
debug.bsd4_pid_debug: -1
debug.bsd4_scdebug: -1
debug.bsd4_runqcount: 0
debug.dfly_chooser: 0
debug.dfly_pid_debug: -1
debug.dfly_scdebug: -1
debug.ipiq.latency_test: 0
debug.ipiq.latency0: 0 0 0 0 0 0 0
debug.blk_active: 0
debug.rman_debug: 0
debug.disablefullpath: 0
debug.disablecwd: 0
debug.ncmount_cache_overwrite: 16
debug.ncmount_cache_miss: 16
debug.ncmount_cache_hit: 53534
debug.ncmount_cache_enable: 1
debug.ncsize: 136
debug.vnsize: 400
debug.ncp_shared_lock_disable: 0
debug.ncposlimit: 0
debug.numdeferred: 0
debug.nclockwarn: 500
debug.ncnegfactor: 16
debug.ncposflush: 10
debug.ncnegflush: 10
debug.nchash: 65535
debug.ncvp_debug: 0
debug.verbose_reclaims: 0
debug.numvnodes: 1600
debug.batchfreevnodes: 5
debug.inactivevnodes: 217
debug.cachedvnodes: 1180
debug.activevnodes: 1383
debug.vnlru_nowhere: 0
debug.rush_requests: 0
debug.bpf_maxbufsize: 524288
debug.bpf_bufsize: 4096
debug.if_tun_debug: 0
debug.dir_entry: 0
debug.direct_blk_ptrs: 0
debug.inode_bitmap: 0
debug.indir_blk_ptrs: 0
debug.sync_limit_hit: 0
debug.ino_limit_hit: 0
debug.blk_limit_hit: 0
debug.ino_limit_push: 0
debug.blk_limit_push: 0
debug.worklist_push: 0
debug.tickdelay: 2
debug.max_softdeps: 303104
debug.dircheck: 0

debug.crypto_timing: 0
debug.minidump: 1
debug.psm.pkterrthresh: 2
debug.psm.usecs: 500000
debug.psm.secs: 0
debug.psm.errusecs: 0
debug.psm.errsecs: 2
debug.psm.hz: 20
debug.psm.loglevel: 0
debug.acpi.suspend_bounce: 0
debug.acpi.do_powerstate: 1
debug.acpi.facs_addr32: 1
debug.acpi.fadt_addr32: 0
debug.acpi.interpreter_slack: 1
debug.acpi.ignore_xsdt: 0
debug.acpi.enable_debug_objects: 0
debug.acpi.acpi_ca_version: 20150930
debug.acpi.batt.batt_sleep_ms: 0
debug.acpi.ec.timeout: 750
debug.acpi.ec.polled: 0
debug.acpi.ec.burst: 0
debug.acpi.semaphore_debug: 0
hw.machine: x86_64
hw.model: Intel(R) Pentium(R) 4 CPU 3.20GHz
hw.ncpu: 1
hw.byteorder: 1234
hw.physmem: 1000603648
hw.usermem: 709828608
hw.pagesize: 4096
hw.machine_arch: x86_64
hw.platform: pc64
hw.ata.ata_wc: 1
hw.ata.atapi_dma: 1
hw.ata.ata_dma: 1
hw.firewire.hold_count: 3
hw.firewire.try_bmr: 1
hw.firewire.fwmem.speed: 2
hw.firewire.fwmem.eui64_lo: 0
hw.firewire.fwmem.eui64_hi: 0
hw.firewire.fwe.rx_queue_len: 128
hw.firewire.fwe.tx_speed: 2
hw.firewire.fwe.stream_ch: 1
hw.firewire.sbp.tags: 0
hw.firewire.sbp.scan_delay: 500
hw.firewire.sbp.login_delay: 1000
hw.firewire.sbp.exclusive_login: 1
hw.firewire.sbp.max_speed: -1
hw.firewire.sbp.auto_login: 1
hw.fxp_rnr: 0
hw.sensors.dev_idmax: 1
hw.bus.devctl_disable: 0
hw.pci.usb_early_takeover: 1
hw.pci.honor_msi_blacklist: 1
hw.pci.enable_msix: 1
hw.pci.enable_msi: 1
hw.pci.do_power_resume: 1
hw.pci.do_power_nodriver: 0
hw.pci.enable_io_modes: 1
hw.pci.default_vgapci_unit: 0
hw.pci.host_mem_start: 2147483648
hw.usb.debug: 0
hw.usb.usb_lang_mask: 255
hw.usb.usb_lang_id: 9
hw.usb.template: 0
hw.usb.disable_port_power: 0
hw.usb.disable_enumeration: 0
hw.usb.power_timeout: 30
hw.usb.full_ddesc: 0
hw.usb.no_cs_fail: 0
hw.usb.no_shutdown_wait: 0
hw.usb.no_suspend_wait: 0
hw.usb.no_boot_wait: 0
hw.usb.xhci.use_polling: 0
hw.usb.xhci.streams: 0
hw.availpages: 245540

hw.cpu_mwait_spin: 0
hw.cpu_mwait_halt: 0
hw.via_feature_xcrypt: 0
hw.via_feature_rng: 0
hw.clflush_enable: -1
hw.instruction_sse: 1
hw.clockrate: 3200
hw.busdma.bounce_alignment: 1
hw.busdma.max_bpages: 1024
hw.busdma.total_bpages: 1056
hw.busdma.zone0.total_bpages: 1024
hw.busdma.zone0.free_bpages: 1024
hw.busdma.zone0.reserved_bpages: 0
hw.busdma.zone0.active_bpages: 0
hw.busdma.zone0.total_bounced: 0
hw.busdma.zone0.total_deferred: 0
hw.busdma.zone0.reserve_failed: 0
hw.busdma.zone0.lowaddr: 0xffffffff
hw.busdma.zone0.alignment: 4096
hw.busdma.zone1.total_bpages: 32
hw.busdma.zone1.free_bpages: 32
hw.busdma.zone1.reserved_bpages: 0
hw.busdma.zone1.active_bpages: 0
hw.busdma.zone1.total_bounced: 0
hw.busdma.zone1.total_deferred: 0
hw.busdma.zone1.reserve_failed: 0
hw.busdma.zone1.lowaddr: 0xffffffff
hw.busdma.zone1.alignment: 4096
hw.psm.tap_timeout: 125000
hw.psm.tap_threshold: 25
hw.psm.tap_enabled: -1
hw.tsc_frequency: 3200129168
hw.tsc_mpsync: 0
hw.tsc_invariant: 0
hw.tsc_present: 1
hw.i8254.timestamp: 00000000 0000152a27ffe6c0
hw.i8254.freq: 1193182
hw.cpu_topology.tree:
\-PACKAGE MEMBERS: cpus(0)
\-CHIP ID 0: cpus(0)

hw.cpu_topology.level_description: 0 - socket; 1 - anything
hw.cpu_topology.members: cpus(0)
hw.vmm.enable: 0
hw.acpi.supported_sleep_state: S1 S3 S4 S5
hw.acpi.power_button_state: S5
hw.acpi.sleep_button_state: S1
hw.acpi.lid_switch_state: NONE
hw.acpi.standby_state: S1
hw.acpi.suspend_state: S3
hw.acpi.sleep_delay: 1
hw.acpi.s4bios: 0
hw.acpi.verbose: 0
hw.acpi.disable_on_reboot: 0
hw.acpi.handle_reboot: 0
hw.acpi.reset_video: 1
hw.acpi.cpu.cx_lowest: C1
hw.acpi.cpu.cx_lowest_use: C1
hw.acpi.cpu0.cx_supported: C1/0
hw.acpi.cpu0.cx_lowest: C1
hw.acpi.cpu0.cx_lowest_use: C1
hw.acpi.cpu0.cx_usage: 0.00% last 1000000us
machdep.adjkerntz: -28800
machdep.disable_rtc_set: 0
machdep.wall_cmos_clock: 1
machdep.do_dump: 1
machdep.enable_panic_key: 0
machdep.guessed_bootdev: 0
machdep.cpu_idle_spincnt: 0
machdep.cpu_idle_hltcnt: 2098752
machdep.cpu_idle_repeat: 750
machdep.cpu_idle_hlt: 2
machdep.mwait.CX.repeat_shift: 1
machdep.mwait.CX.spin: NONE
machdep.mwait.CX.idle: NONE

machdep.mwait.CX.c3_preamble: 3
machdep.mwait.CX.supported:
machdep.slow_release: 0
machdep.fast_release: 0
machdep.panic_on_nmi: 1
machdep.disable_mtrrs: 0
machdep.pmap_fast_kernel_cpusync: 0
machdep.pmap_mmu_optimize: 0
machdep.pmap_yield_count: 64
machdep.smp_active: 1
machdep.acpi_timer_freq: 3579545
machdep.acpi_root: 1043440
machdep.clockmod_dom0.members: cpu0
machdep.clockmod_dom0.available: 100.00% 87.50% 75.00% 62.50% 50.00% 37.50%
machdep.clockmod_dom0.select: 100.00%
user.cs_path: /usr/bin:/bin:/usr/sbin:/sbin:
user.bc_base_max: 99
user.bc_dim_max: 2048
user.bc_scale_max: 99
user.bc_string_max: 1000
user.coll_weights_max: 10
user.expr_nest_max: 32
user.line_max: 2048
user.re_dup_max: 255
user.posix2_version: 199212
user.posix2_c_bind: 1
user.posix2_c_dev: 1
user.posix2_char_term: 1
user.posix2_fort_dev: 0
user.posix2_fort_run: 1
user.posix2_localedef: 1
user.posix2_sw_dev: 1
user.posix2_upe: 1
user.stream_max: 20
user.tzname_max: 255
p1003_1b.asynchronous_io: -1
p1003_1b.mapped_files: 0
p1003_1b.memlock: 0
p1003_1b.memlock_range: 0
p1003_1b.memory_protection: 0
p1003_1b.message_passing: 200112
p1003_1b.prioritized_io: 0
p1003_1b.priority_scheduling: 1
p1003_1b.realtime_signals: 0
p1003_1b.semaphores: 0
p1003_1b.fsync: 0
p1003_1b.shared_memory_objects: 200112
p1003_1b.synchronized_io: 0
p1003_1b.timers: 0
p1003_1b.aio_listio_max: 0
p1003_1b.aio_max: 0
p1003_1b.aio_prio_delta_max: 0
p1003_1b.delaytimer_max: 0
p1003_1b.pagesize: 4096
p1003_1b.rtsig_max: 0
p1003_1b.sem_nsems_max: 0
p1003_1b.sem_value_max: 0
p1003_1b.sigqueue_max: 0
p1003_1b.timer_max: 0
lwkt.cache_threads: 32
lwkt.preempt_enable: 1
lwkt.spin_fatal: 0
lwkt.spin_monitor: 0
lwkt.spin_reseq: 0
lwkt.spin_loops: 10
lwkt.sched_debug: 0
lwkt.fairq_bypass: -1
lwkt.fairq_enable: 0
lwkt.preempt_weird: 0
lwkt.preempt_miss: 13018
lwkt.preempt_hit: 20213
lwkt.switch_count: 1410565
lwkt.ipiq_cscount: 0
lwkt.ipiq_passive: 0
lwkt.ipiq_avoided: 0

lwkt.ipiq_fifo: 0
lwkt.ipiq_count: 0
lwkt.ipiq_debug: 0
lwkt.tokens_debug_output: 0
lwkt.vnode_collisions: 0
lwkt.tty_collisions: 1
lwkt.sigio_collisions: 0
lwkt.kvm_collisions: 0
lwkt.vmspace_collisions: 0
lwkt.vm_collisions: 0
lwkt.dev_collisions: 0
lwkt.pmap_collisions: 0
lwkt.mp_collisions: 0
lwkt.token_delay: 0
lwkt.token_spin: 5
kdmsg.debug: 1
jail.allow_raw_sockets: 0
jail.chflags_allowed: 0
jail.sysvipc_allowed: 0
jail.socket_unixiproute_only: 1
jail.set_hostname_allowed: 1
security.ps_showallthreads: 1
security.ps_showallprocs: 1
security.unprivileged_read_msgbuf: 1
security.hardlink_check_gid: 0
security.hardlink_check_uid: 0
iosched.debug: 0
dev.nexus.0.%driver: nexus
dev.nexus.0.%parent: root0
dev.ram.0.%desc: System RAM
dev.ram.0.%driver: ram
dev.ram.0.%parent: nexus0
dev.acpi.0.%desc: DELL B8K
dev.acpi.0.%driver: acpi
dev.acpi.0.%parent: nexus0
dev.acpi_sysresource.0.%desc: System Resource
dev.acpi_sysresource.0.%driver: acpi_sysresource
dev.acpi_sysresource.0.%location: handle=_SB_.PCI0.ISA_.MBIO
dev.acpi_sysresource.0.%pnpinfo: _HID=PNP0C01 _UID=11
dev.acpi_sysresource.0.%parent: acpi0
dev.acpi_sysresource.1.%desc: System Resource
dev.acpi_sysresource.1.%driver: acpi_sysresource
dev.acpi_sysresource.1.%location: handle=_SB_.MEM1
dev.acpi_sysresource.1.%pnpinfo: _HID=PNP0C01 _UID=1
dev.acpi_sysresource.1.%parent: acpi0
dev.acpi_sysresource.2.%desc: System Resource
dev.acpi_sysresource.2.%driver: acpi_sysresource
dev.acpi_sysresource.2.%location: handle=_SB_.MEM2
dev.acpi_sysresource.2.%pnpinfo: _HID=PNP0C02 _UID=23
dev.acpi_sysresource.2.%parent: acpi0
dev.acpi_timer.0.%desc: 24-bit timer at 3.579545MHz
dev.acpi_timer.0.%driver: acpi_timer
dev.acpi_timer.0.%location: unknown
dev.acpi_timer.0.%pnpinfo: unknown
dev.acpi_timer.0.%parent: acpi0
dev.acpi_hpet.0.%desc: High Precision Event Timer
dev.acpi_hpet.0.%driver: acpi_hpet
dev.acpi_hpet.0.%location: unknown
dev.acpi_hpet.0.%pnpinfo: unknown
dev.acpi_hpet.0.%parent: acpi0
dev.pci_link.0.%desc: ACPI PCI Link LNKA
dev.pci_link.0.%driver: pci_link
dev.pci_link.0.%location: handle=_SB_.LNKA
dev.pci_link.0.%pnpinfo: _HID=PNP0C0F _UID=12
dev.pci_link.0.%parent: acpi0
dev.pci_link.1.%desc: ACPI PCI Link LNKB
dev.pci_link.1.%driver: pci_link
dev.pci_link.1.%location: handle=_SB_.LNKB
dev.pci_link.1.%pnpinfo: _HID=PNP0C0F _UID=13
dev.pci_link.1.%parent: acpi0
dev.pci_link.2.%desc: ACPI PCI Link LNKC
dev.pci_link.2.%driver: pci_link
dev.pci_link.2.%location: handle=_SB_.LNKC
dev.pci_link.2.%pnpinfo: _HID=PNP0C0F _UID=14
dev.pci_link.2.%parent: acpi0

dev.pci_link.3.%desc: ACPI PCI Link LNKD
dev.pci_link.3.%driver: pci_link
dev.pci_link.3.%location: handle=_SB_LNKD
dev.pci_link.3.%pnpinfo: _HID=PNP0C0F _UID=15
dev.pci_link.3.%parent: acpi0
dev.pci_link.4.%desc: ACPI PCI Link LNKE
dev.pci_link.4.%driver: pci_link
dev.pci_link.4.%location: handle=_SB_LNKE
dev.pci_link.4.%pnpinfo: _HID=PNP0C0F _UID=16
dev.pci_link.4.%parent: acpi0
dev.pci_link.5.%desc: ACPI PCI Link LNKF
dev.pci_link.5.%driver: pci_link
dev.pci_link.5.%location: handle=_SB_LNKF
dev.pci_link.5.%pnpinfo: _HID=PNP0C0F _UID=17
dev.pci_link.5.%parent: acpi0
dev.pci_link.6.%desc: ACPI PCI Link LNKG
dev.pci_link.6.%driver: pci_link
dev.pci_link.6.%location: handle=_SB_LNKG
dev.pci_link.6.%pnpinfo: _HID=PNP0C0F _UID=18
dev.pci_link.6.%parent: acpi0
dev.pci_link.7.%desc: ACPI PCI Link LNKH
dev.pci_link.7.%driver: pci_link
dev.pci_link.7.%location: handle=_SB_LNKH
dev.pci_link.7.%pnpinfo: _HID=PNP0C0F _UID=19
dev.pci_link.7.%parent: acpi0
dev.acpi_button.0.%desc: Power Button
dev.acpi_button.0.%driver: acpi_button
dev.acpi_button.0.%location: handle=_SB_VBTN
dev.acpi_button.0.%pnpinfo: _HID=PNP0C0C _UID=0
dev.acpi_button.0.%parent: acpi0
dev.pci.0.%desc: ACPI Host-PCI bridge
dev.pci.0.%driver: pci
dev.pci.0.%location: handle=_SB_PCI0
dev.pci.0.%pnpinfo: _HID=PNP0A03 _UID=256
dev.pci.0.%parent: acpi0
dev.pci.1.%desc: ACPI PCI-PCI bridge
dev.pci.1.%driver: pci
dev.pci.1.%location: slot=1 function=0 handle=_SB_PCI0.PCI1
dev.pci.1.%pnpinfo: vendor=0x1002 device=0x5a3f subvendor=0x1028
subdevice=0x01e5 class=0x060400
dev.pci.1.%parent: pci0
dev.pci.2.%desc: ACPI PCI-PCI bridge
dev.pci.2.%driver: pci
dev.pci.2.%location: slot=20 function=4 handle=_SB_PCI0.PCI7
dev.pci.2.%pnpinfo: vendor=0x1002 device=0x4384 subvendor=0x0000
subdevice=0x0000 class=0x060401
dev.pci.2.%parent: pci0
dev.pci.0.%desc: ACPI PCI bus
dev.pci.0.%driver: pci
dev.pci.0.%parent: pci0
dev.pci.1.%desc: ACPI PCI bus
dev.pci.1.%driver: pci
dev.pci.1.%parent: pci1
dev.pci.2.%desc: ACPI PCI bus
dev.pci.2.%driver: pci
dev.pci.2.%parent: pci2
dev.hostb.0.%desc: Host to PCI bridge
dev.hostb.0.%driver: hostb
dev.hostb.0.%location: slot=0 function=0
dev.hostb.0.%pnpinfo: vendor=0x1002 device=0x5a33 subvendor=0x1028
subdevice=0x01e5 class=0x060000
dev.hostb.0.%parent: pci0
dev.vgapci.0.%desc: VGA-compatible display
dev.vgapci.0.%driver: vgapci
dev.vgapci.0.%location: slot=5 function=0
dev.vgapci.0.%pnpinfo: vendor=0x1002 device=0x5a61 subvendor=0x1028
subdevice=0x01e5 class=0x030000
dev.vgapci.0.%parent: pci1
dev.ahci.0.%desc: ATI-SB600-SATA
dev.ahci.0.%driver: ahci
dev.ahci.0.%location: slot=18 function=0
dev.ahci.0.%pnpinfo: vendor=0x1002 device=0x4380 subvendor=0x1028
subdevice=0x01e5 class=0x01018f
dev.ahci.0.%parent: pci0
dev.ahci.0.0.link_pwr_mgmt: 0

dev.ahci.0.0.link_pwr_state: active
dev.ahci.0.1.link_pwr_mgmt: 0
dev.ahci.0.1.link_pwr_state: active
dev.ahci.0.2.link_pwr_mgmt: 0
dev.ahci.0.2.link_pwr_state: unknown
dev.ahci.0.3.link_pwr_mgmt: 0
dev.ahci.0.3.link_pwr_state: unknown
dev.ohci.0.%desc: OHCI (generic) USB controller
dev.ohci.0.%driver: ohci
dev.ohci.0.%location: slot=19 function=0 handle=_SB_PCI0.USB0
dev.ohci.0.%pnpinf: vendor=0x1002 device=0x4387 subvendor=0x1028
subdevice=0x01e5 class=0x0c0310
dev.ohci.0.%parent: pci0
dev.ohci.1.%desc: OHCI (generic) USB controller
dev.ohci.1.%driver: ohci
dev.ohci.1.%location: slot=19 function=1 handle=_SB_PCI0.USB1
dev.ohci.1.%pnpinf: vendor=0x1002 device=0x4388 subvendor=0x1028
subdevice=0x01e5 class=0x0c0310
dev.ohci.1.%parent: pci0
dev.ohci.2.%desc: OHCI (generic) USB controller
dev.ohci.2.%driver: ohci
dev.ohci.2.%location: slot=19 function=2 handle=_SB_PCI0.USB2
dev.ohci.2.%pnpinf: vendor=0x1002 device=0x4389 subvendor=0x1028
subdevice=0x01e5 class=0x0c0310
dev.ohci.2.%parent: pci0
dev.ohci.3.%desc: OHCI (generic) USB controller
dev.ohci.3.%driver: ohci
dev.ohci.3.%location: slot=19 function=3 handle=_SB_PCI0.USB3
dev.ohci.3.%pnpinf: vendor=0x1002 device=0x438a subvendor=0x1028
subdevice=0x01e5 class=0x0c0310
dev.ohci.3.%parent: pci0
dev.ohci.4.%desc: OHCI (generic) USB controller
dev.ohci.4.%driver: ohci
dev.ohci.4.%location: slot=19 function=4 handle=_SB_PCI0.USB4
dev.ohci.4.%pnpinf: vendor=0x1002 device=0x438b subvendor=0x1028
subdevice=0x01e5 class=0x0c0310
dev.ohci.4.%parent: pci0
dev.usbus.0.%driver: usb
dev.usbus.0.%parent: ohci0
dev.usbus.1.%driver: usb
dev.usbus.1.%parent: ohci1
dev.usbus.2.%driver: usb
dev.usbus.2.%parent: ohci2
dev.usbus.3.%driver: usb
dev.usbus.3.%parent: ohci3
dev.usbus.4.%driver: usb
dev.usbus.4.%parent: ohci4
dev.usbus.5.%driver: usb
dev.usbus.5.%parent: ehci0
dev.uhub.0.%desc: ATI OHCI root HUB, class 9/0, rev 1.00/1.00, addr 1
dev.uhub.0.%driver: uhub
dev.uhub.0.%parent: usb0
dev.uhub.0.disable_enumeration: 0
dev.uhub.0.disable_port_power: 0
dev.uhub.1.%desc: ATI OHCI root HUB, class 9/0, rev 1.00/1.00, addr 1
dev.uhub.1.%driver: uhub
dev.uhub.1.%parent: usb1
dev.uhub.1.disable_enumeration: 0
dev.uhub.1.disable_port_power: 0
dev.uhub.2.%desc: ATI OHCI root HUB, class 9/0, rev 1.00/1.00, addr 1
dev.uhub.2.%driver: uhub
dev.uhub.2.%parent: usb2
dev.uhub.2.disable_enumeration: 0
dev.uhub.2.disable_port_power: 0
dev.uhub.3.%desc: ATI OHCI root HUB, class 9/0, rev 1.00/1.00, addr 1
dev.uhub.3.%driver: uhub
dev.uhub.3.%parent: usb3
dev.uhub.3.disable_enumeration: 0
dev.uhub.3.disable_port_power: 0
dev.uhub.4.%desc: ATI OHCI root HUB, class 9/0, rev 1.00/1.00, addr 1
dev.uhub.4.%driver: uhub
dev.uhub.4.%parent: usb4
dev.uhub.4.disable_enumeration: 0
dev.uhub.4.disable_port_power: 0
dev.uhub.5.%desc: ATI EHCI root HUB, class 9/0, rev 2.00/1.00, addr 1

dev.uhub.5.%driver: uhub
dev.uhub.5.%parent: usb5
dev.uhub.5.disable_enumeration: 0
dev.uhub.5.disable_port_power: 0
dev.ehci.0.%desc: EHCI (generic) USB 2.0 controller
dev.ehci.0.%driver: ehci
dev.ehci.0.%location: slot=19 function=5 handle=_SB_.PCI0.USB5
dev.ehci.0.%pnpinfo: vendor=0x1002 device=0x4386 subvendor=0x1028
subdevice=0x01e5 class=0x0c0320
dev.ehci.0.%parent: pci0
dev.atapci.0.%desc: ATI SB600 UDMA133 controller
dev.atapci.0.%driver: atapci
dev.atapci.0.%location: slot=20 function=1 handle=_SB_.PCI0.IDE0
dev.atapci.0.%pnpinfo: vendor=0x1002 device=0x438c subvendor=0x1028
subdevice=0x01e5 class=0x010180
dev.atapci.0.%parent: pci0
dev.ata.0.%desc: ATA channel 0
dev.ata.0.%driver: ata
dev.ata.0.%parent: atapci0
dev.ata.1.%desc: ATA channel 1
dev.ata.1.%driver: ata
dev.ata.1.%parent: atapci0
dev.isab.0.%desc: PCI-ISA bridge
dev.isab.0.%driver: isab
dev.isab.0.%location: slot=20 function=3 handle=_SB_.PCI0.ISA_
dev.isab.0.%pnpinfo: vendor=0x1002 device=0x438d subvendor=0x1028
subdevice=0x01e5 class=0x060100
dev.isab.0.%parent: pci0
dev.isa.0.%desc: ISA bus
dev.isa.0.%driver: isa
dev.isa.0.%parent: isab0
dev.bfe.0.%desc: Broadcom BCM4401-B0 Fast Ethernet
dev.bfe.0.%driver: bfe
dev.bfe.0.%location: slot=9 function=0 handle=_SB_.PCI0.PCI7.MAC1
dev.bfe.0.%pnpinfo: vendor=0x14e4 device=0x170c subvendor=0x1028
subdevice=0x01e5 class=0x020000
dev.bfe.0.%parent: pci2
dev.miiibus.0.%desc: MII bus
dev.miiibus.0.%driver: miiibus
dev.miiibus.0.%parent: bfe0
dev.ukphy.0.%desc: Generic IEEE 802.3u media interface
dev.ukphy.0.%driver: ukphy
dev.ukphy.0.%parent: miiibus0
dev.cpu.0.%desc: ACPI CPU
dev.cpu.0.%driver: cpu
dev.cpu.0.%location: handle=_PR_.CPU0
dev.cpu.0.%pnpinfo: _HID=none _UID=0
dev.cpu.0.%parent: acpi0
dev.cpu_cst.0.%desc: ACPI CPU C-State
dev.cpu_cst.0.%driver: cpu_cst
dev.cpu_cst.0.%parent: cpu0
dev.clockmod.0.%desc: CPU clock modulation
dev.clockmod.0.%driver: clockmod
dev.clockmod.0.%parent: cpu0
dev.cryptosoft.0.%desc: software crypto
dev.cryptosoft.0.%driver: cryptosoft
dev.cryptosoft.0.%parent: nexus0
dev.legacy.0.%desc: legacy system
dev.legacy.0.%driver: legacy
dev.legacy.0.%parent: nexus0
dev.orm.0.%desc: ISA Option ROMs
dev.orm.0.%driver: orm
dev.orm.0.%parent: isa0
dev.pmtimer.0.%driver: pmtimer
dev.pmtimer.0.%parent: isa0
dev.atkbd.0.%desc: Keyboard controller (i8042)
dev.atkbd.0.%driver: atkbd
dev.atkbd.0.%parent: isa0
dev.atkbd.0.%desc: AT Keyboard
dev.atkbd.0.%driver: atkbd
dev.atkbd.0.%parent: atkbd0
dev.vga.0.%desc: Generic ISA VGA
dev.vga.0.%driver: vga
dev.vga.0.%parent: isa0
dev.sc.0.%desc: System console

dev.sc.0.%driver: sc
dev.sc.0.%parent: isa0