

Panic during boot with BT-948 on RELENG_5_4

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/stable/2005-07/0206.html>

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To: FreeBSD Stable List <freebsd-stable@FreeBSD.ORG>

I just upgraded a machine from 4.11 to 5.4 and I now have a panic on boot.

The panic is related the disk attached to my BT-948. This disk only has /usr/obj on it so I don't mind if it is lost, but I would like it back.

How do I fix this. The kernel is basically GENERIC with SMP enabled and firewalling.

verbose_with_bt.txt shows the problem.

verbose_with_bt_without_da0.txt works, ie the drive is not attached.

Any and all help appreciated.

Jim

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/"\ ASCII Ribbon Campaign .
\ / - NO HTML/RTF in e-mail .
 X - NO Word docs in e-mail .
/ \

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It's always a long day, 86400 doesn't fit into a short.

SMAP type=01 base=0000000000000000 len=0000000000a0000

SMAP type=02 base=0000000000f0000 len=000000000010000

SMAP type=01 base=000000000100000 len=000000000fed000

SMAP type=03 base=000000000ffd000 len=000000000002000

SMAP type=04 base=000000000fff000 len=000000000001000

SMAP type=02 base=00000000fec0000 len=000000000001000

SMAP type=02 base=00000000fee0000 len=000000000001000

SMAP type=02 base=00000000fff0000 len=000000000001000

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FreeBSD 5.4-RELEASE-p3 #2: Fri Jul 8 12:23:45 EDT 2005

freebsd-stable: Panic during boot with BT-948 on RELENG_5_4

```
root@cat.int.thehousleys.net:/usr/obj/usr/src/sys/SERVERKERNEL
Preloaded elf kernel "/boot/kernel/kernel" at 0xc096d000.
Preloaded elf module "/boot/kernel/acpi.ko" at 0xc096d228.
Calibrating clock(s) ... i8254 clock: 1193113 Hz
CLK_USE_I8254_CALIBRATION not specified - using default frequency
Timecounter "i8254" frequency 1193182 Hz quality 0
Calibrating TSC clock ... TSC clock: 350796649 Hz
CPU: Pentium II/Pentium II Xeon/Celeron (350.80-MHz 686-class CPU)
  Origin = "GenuineIntel" Id = 0x651 Stepping = 1
  Features=0x183fbff<FPU,VME,DE,PSE,TSC,MSR,PAE,MCE,CX8,APIC,SEP,MTRR,PGE,MCA,CMOV,PAT,PSE
real memory = 268423168 (255 MB)
Physical memory chunk(s):
0x0000000000001000 - 0x000000000009efff, 647168 bytes (158 pages)
0x0000000000100000 - 0x00000000003fffff, 3145728 bytes (768 pages)
0x0000000000c28000 - 0x000000000fb4cfff, 250761216 bytes (61221 pages)
avail memory = 253132800 (241 MB)
Table 'FACP' at 0xffffd100
Table 'BOOT' at 0xffffd040
Table 'APIC' at 0xffffd080
MADT: Found table at 0xffffd080
MP Configuration Table version 1.4 found at 0xc00f6ad4
APIC: Using the MADT enumerator.
MADT: Found CPU APIC ID 1 ACPI ID 0: enabled
SMP: Added CPU 1 (AP)
MADT: Found CPU APIC ID 0 ACPI ID 1: enabled
SMP: Added CPU 0 (AP)
ACPI APIC Table: <ASUS P2B-D >
APIC ID: physical 0, logical 0:0
APIC ID: physical 1, logical 0:1
FreeBSD/SMP: Multiprocessor System Detected: 2 CPUs
cpu0 (BSP): APIC ID: 1
cpu1 (AP): APIC ID: 0
bios32: Found BIOS32 Service Directory header at 0xc00f9e70
bios32: Entry = 0xf0530 (c00f0530) Rev = 0 Len = 1
pcibios: PCI BIOS entry at 0xf0000+0x730
pnpbios: Found PnP BIOS data at 0xc00fd2c0
pnpbios: Entry = f0000:d2f0 Rev = 1.0
pnpbios: OEM ID cd041
Other BIOS signatures found:
APIC: CPU 0 has ACPI ID 0
APIC: CPU 1 has ACPI ID 1
MADT: Found IO APIC ID 2, Interrupt 0 at 0xfec00000
ioapic0: Routing external 8259A's -> intpin 0
ioapic0: intpin 0 -> ExtINT (edge, high)
ioapic0: intpin 1 -> ISA IRQ 1 (edge, high)
ioapic0: intpin 2 -> ISA IRQ 2 (edge, high)
ioapic0: intpin 3 -> ISA IRQ 3 (edge, high)
ioapic0: intpin 4 -> ISA IRQ 4 (edge, high)
ioapic0: intpin 5 -> ISA IRQ 5 (edge, high)
ioapic0: intpin 6 -> ISA IRQ 6 (edge, high)
ioapic0: intpin 7 -> ISA IRQ 7 (edge, high)
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ioapic0: intpin 8 -> ISA IRQ 8 (edge, high)
ioapic0: intpin 9 -> ISA IRQ 9 (edge, high)
ioapic0: intpin 10 -> ISA IRQ 10 (edge, high)
ioapic0: intpin 11 -> ISA IRQ 11 (edge, high)
ioapic0: intpin 12 -> ISA IRQ 12 (edge, high)
ioapic0: intpin 13 -> ISA IRQ 13 (edge, high)
ioapic0: intpin 14 -> ISA IRQ 14 (edge, high)
ioapic0: intpin 15 -> ISA IRQ 15 (edge, high)
ioapic0: intpin 16 -> PCI IRQ 16 (level, low)
ioapic0: intpin 17 -> PCI IRQ 17 (level, low)
ioapic0: intpin 18 -> PCI IRQ 18 (level, low)
ioapic0: intpin 19 -> PCI IRQ 19 (level, low)
ioapic0: intpin 20 -> PCI IRQ 20 (level, low)
ioapic0: intpin 21 -> PCI IRQ 21 (level, low)
ioapic0: intpin 22 -> PCI IRQ 22 (level, low)
ioapic0: intpin 23 -> PCI IRQ 23 (level, low)
MADT: Interrupt override: source 0, irq 2
ioapic0: Routing IRQ 0 -> intpin 2
ioapic0: intpin 2 trigger: edge
ioapic0: intpin 2 polarity: high
MADT: Interrupt override: source 9, irq 20
ioapic0: intpin 9 disabled
ioapic0: intpin 20 trigger: level
ioapic0: intpin 20 polarity: high
ioapic0 <Version 1.1> irqs 0-23 on motherboard
cpu0 BSP:
  ID: 0x01000000 VER: 0x00040011 LDR: 0x02000000 DFR: 0x0fffffff
  lint0: 0x00010700 lint1: 0x00000400 TPR: 0x00000000 SVR: 0x000001ff
mem: <memory>
Pentium Pro MTRR support enabled
null: <null device, zero device>
io: <I/O>
random: <entropy source, Software, Yarrow>
npx0: [FAST]
npx0: <math processor> on motherboard
npx0: INT 16 interface
acpi0: <ASUS P2B-D> on motherboard
acpi0: Overriding SCI Interrupt from IRQ 9 to IRQ 20
acpi0: [MPSAFE]
pci_open(1): mode 1 addr port (0x0cf8) is 0x80002358
pci_open(1a): mode1res=0x80000000 (0x80000000)
pci_cfgcheck: device 0 [class=060000] [hdr=00] is there (id=71908086)
pcibios: BIOS version 2.10
Found $PIR table, 6 entries at 0xc00f0d20
PCI-Only Interrupts: none
Location Bus Device Pin Link IRQs
slot 1 0 12 A 0x60 3 4 5 7 9 10 11 12
slot 1 0 12 B 0x61 3 4 5 7 9 10 11 12
slot 1 0 12 C 0x62 3 4 5 7 9 10 11 12
slot 1 0 12 D 0x63 3 4 5 7 9 10 11 12
slot 2 0 11 A 0x61 3 4 5 7 9 10 11 12
```

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slot 2 0 11 B 0x62 3 4 5 7 9 10 11 12
slot 2 0 11 C 0x63 3 4 5 7 9 10 11 12
slot 2 0 11 D 0x60 3 4 5 7 9 10 11 12
slot 3 0 10 A 0x62 3 4 5 7 9 10 11 12
slot 3 0 10 B 0x63 3 4 5 7 9 10 11 12
slot 3 0 10 C 0x60 3 4 5 7 9 10 11 12
slot 3 0 10 D 0x61 3 4 5 7 9 10 11 12
slot 4 0 9 A 0x63 3 4 5 7 9 10 11 12
slot 4 0 9 B 0x60 3 4 5 7 9 10 11 12
slot 4 0 9 C 0x61 3 4 5 7 9 10 11 12
slot 4 0 9 D 0x62 3 4 5 7 9 10 11 12
embedded 0 4 A 0x60 3 4 5 7 9 10 11 12
embedded 0 4 B 0x61 3 4 5 7 9 10 11 12
embedded 0 4 C 0x62 3 4 5 7 9 10 11 12
embedded 0 4 D 0x63 3 4 5 7 9 10 11 12
embedded 0 1 A 0x60 3 4 5 7 9 10 11 12
embedded 0 1 B 0x61 3 4 5 7 9 10 11 12
embedded 0 1 C 0x62 3 4 5 7 9 10 11 12
embedded 0 1 D 0x63 3 4 5 7 9 10 11 12
acpi_bus_number: root bus has no _BBN, assuming 0
AcpiOsDerivePciId: bus 0 dev 4 func 0
acpi0: Power Button (fixed)
acpi_bus_number: root bus has no _BBN, assuming 0
AcpiOsDerivePciId: bus 0 dev 4 func 3
acpi_bus_number: root bus has no _BBN, assuming 0
AcpiOsDerivePciId: bus 0 dev 4 func 3
ACPI timer: 0/3 0/3 0/16777213 0/16777214 1/2 0/4 0/16777200 1/2 1/2 0/4 -> 3
Timecounter "ACPI-safe" frequency 3579545 Hz quality 1000
acpi_timer0: <24-bit timer at 3.579545MHz> port 0xe408-0xe40b on acpi0
cpu0: <ACPI CPU> on acpi0
cpu1: <ACPI CPU> on acpi0
acpi_button0: <Power Button> on acpi0
pcib0: <ACPI Host-PCI bridge> port 0xcf8-0xcff on acpi0
ACPI PCI link initial configuration:
pci0: <ACPI PCI bus> on pcib0
pci0: physical bus=0
    map[10]: type 3, range 32, base e4000000, size 26, enabled
found-> vendor=0x8086, dev=0x7190, revid=0x03
    bus=0, slot=0, func=0
    class=06-00-00, hdrtype=0x00, mfdev=0
    cmdreg=0x0106, statreg=0x2210, cachelsz=0 (dwords)
    lattimer=0x40 (1920 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
found-> vendor=0x8086, dev=0x7191, revid=0x03
    bus=0, slot=1, func=0
    class=06-04-00, hdrtype=0x01, mfdev=0
    cmdreg=0x0117, statreg=0x0220, cachelsz=0 (dwords)
    lattimer=0x40 (1920 ns), mingnt=0x80 (32000 ns), maxlat=0x00 (0 ns)
found-> vendor=0x8086, dev=0x7110, revid=0x02
    bus=0, slot=4, func=0
    class=06-01-00, hdrtype=0x00, mfdev=1
    cmdreg=0x000f, statreg=0x0280, cachelsz=0 (dwords)

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freebsd-stable: Panic during boot with BT-948 on RELENG_5_4

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lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
map[20]: type 4, range 32, base 0000d800, size 4, enabled
found-> vendor=0x8086, dev=0x7111, revid=0x01
bus=0, slot=4, func=1
class=01-01-80, hdrtype=0x00, mfdev=0
cmdreg=0x0005, statreg=0x0280, cachelsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
map[20]: type 4, range 32, base 0000d400, size 5, enabled
found-> vendor=0x8086, dev=0x7112, revid=0x01
bus=0, slot=4, func=2
class=0c-03-00, hdrtype=0x00, mfdev=0
cmdreg=0x0005, statreg=0x0280, cachelsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=d, irq=255
map[90]: type 4, range 32, base 0000e800, size 4, enabled
found-> vendor=0x8086, dev=0x7113, revid=0x02
bus=0, slot=4, func=3
class=06-80-00, hdrtype=0x00, mfdev=0
cmdreg=0x0003, statreg=0x0280, cachelsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
map[10]: type 4, range 32, base 0000d000, size 7, enabled
map[14]: type 1, range 32, base e3000000, size 7, enabled
pcib0: matched entry for 0.10.INTA
pcib0: slot 10 INTA hardwired to IRQ 18
found-> vendor=0x10b7, dev=0x9200, revid=0x74
bus=0, slot=10, func=0
class=02-00-00, hdrtype=0x00, mfdev=0
cmdreg=0x0017, statreg=0x0210, cachelsz=8 (dwords)
lattimer=0x00 (0 ns), mingnt=0x0a (2500 ns), maxlat=0x0a (2500 ns)
intpin=a, irq=18
powerspec 2 supports D0 D1 D2 D3 current D0
map[10]: type 4, range 32, base 0000b800, size 2, enabled
map[14]: type 1, range 32, base e2800000, size 12, enabled
pcib0: matched entry for 0.11.INTA
pcib0: slot 11 INTA hardwired to IRQ 17
found-> vendor=0x104b, dev=0x1040, revid=0x08
bus=0, slot=11, func=0
class=01-00-00, hdrtype=0x00, mfdev=0
cmdreg=0x0017, statreg=0x0000, cachelsz=8 (dwords)
lattimer=0x00 (0 ns), mingnt=0x08 (2000 ns), maxlat=0x08 (2000 ns)
intpin=a, irq=17
map[10]: type 1, range 32, base dc000000, size 26, enabled
pcib0: matched entry for 0.12.INTA
pcib0: slot 12 INTA hardwired to IRQ 16
found-> vendor=0x5333, dev=0x8811, revid=0x54
bus=0, slot=12, func=0
class=03-00-00, hdrtype=0x00, mfdev=0
cmdreg=0x0003, statreg=0x0200, cachelsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=a, irq=16
agp0: <Intel 82443BX (440 BX) host to PCI bridge> mem 0xe4000000-0xe7ffffff at device 0.0 on pci0
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freebsd-stable: Panic during boot with BT-948 on RELENG_5_4

agp0: Reserved 0x4000000 bytes for rid 0x10 type 3 at 0xe4000000
agp0: allocating GATT for aperture of size 64M
pcib1: <PCI-PCI bridge> at device 1.0 on pci0
pcib1: secondary bus 1
pcib1: subordinate bus 1
pcib1: I/O decode 0xe000-0xdfff
pcib1: memory decode 0xe3f00000-0xe3efffff
pcib1: prefetched decode 0xe4000000-0xe3ffffff
pci1: <PCI bus> on pcib1
pci1: physical bus=1
isab0: <PCI-ISA bridge> at device 4.0 on pci0
isa0: <ISA bus> on isab0
atapci0: <Intel PIIX4 UDMA33 controller> port 0xd800-0xd80f,0x376,0x170-0x177,0x3f6,0x1f0-0x1f7 at device 4.1 on pci0
atapci0: Reserved 0x10 bytes for rid 0x20 type 4 at 0xd800
ata0: channel #0 on atapci0
atapci0: Reserved 0x8 bytes for rid 0x10 type 4 at 0x1f0
atapci0: Reserved 0x1 bytes for rid 0x14 type 4 at 0x3f6
ata0: reset tp1 mask=03 ostat0=50 ostat1=00
ata0-master: stat=0x50 err=0x01 lsb=0x00 msb=0x00
ata0-slave: stat=0x00 err=0x01 lsb=0x00 msb=0x00
ata0: reset tp2 stat0=50 stat1=00 devices=0x1<ATA_MASTER>
ata0: [MPSAFE]
ata1: channel #1 on atapci0
atapci0: Reserved 0x8 bytes for rid 0x18 type 4 at 0x170
atapci0: Reserved 0x1 bytes for rid 0x1c type 4 at 0x376
ata1: reset tp1 mask=03 ostat0=50 ostat1=50
ata1-master: stat=0x50 err=0x01 lsb=0x00 msb=0x00
ata1-slave: stat=0x00 err=0x01 lsb=0x14 msb=0xeb
ata1: reset tp2 stat0=50 stat1=00 devices=0x9<ATAPI_SLAVE,ATA_MASTER>
ata1: [MPSAFE]
uhci0: <Intel 82371AB/EB (PIIX4) USB controller> port 0xd400-0xd41f at device 4.2 on pci0
uhci0: Reserved 0x20 bytes for rid 0x20 type 4 at 0xd400
pcib0: matched entry for 0.4.INTD
pcib0: slot 4 INTD hardwired to IRQ 19
uhci0: [GIANT-LOCKED]
usb0: <Intel 82371AB/EB (PIIX4) USB controller> on uhci0
usb0: USB revision 1.0
uhub0: Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1
uhub0: 2 ports with 2 removable, self powered
pci0: <bridge> at device 4.3 (no driver attached)
xl0: <3Com 3c905C-TX Fast Etherlink XL> port 0xd000-0xd07f mem 0xe3000000-0xe300007f irq 18 at device 10.0 on pci0
xl0: Reserved 0x80 bytes for rid 0x14 type 3 at 0xe3000000
xl0: using memory mapped I/O
xl0: media options word: a
xl0: found MII/AUTO
miibus0: <MII bus> on xl0
xlphy0: <3c905C 10/100 internal PHY> on miibus0
xlphy0: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, auto
xl0: bpf attached

freebsd-stable: Panic during boot with BT-948 on RELENG_5_4

xl0: Ethernet address: 00:01:02:83:fa:21
xl0: [MPSAFE]
bt0: Reserved 0x4 bytes for rid 0x10 type 4 at 0xb800
bt0: <Buslogic Multi-Master SCSI Host Adapter> port 0xb800-0xb803 mem 0xe2800000-0xe2800fff irq 17
at device 11.0 on pci0
bt0: BT-948 FW Rev. 5.06I Ultra Narrow SCSI Host Adapter, SCSI ID 7, 192 CCBs
bt0: Using Strict Round Robin Mailbox Mode
bt0: [GIANT-LOCKED]
pci0: <display, VGA> at device 12.0 (no driver attached)
fdc0: <floppy drive controller> port 0x3f7,0x3f2-0x3f5 irq 6 drq 2 on acpi0
fdc0: ic_type 90 part_id 80
fdc0: [MPSAFE]
fdc0: [FAST]
fd0: <1440-KB 3.5" drive> on fdc0 drive 0
ppc0: using extended I/O port range
ppc0: SPP
ppc0: <Standard parallel printer port> port 0x378-0x37b irq 7 on acpi0
ppc0: Generic chipset (NIBBLE-only) in COMPATIBLE mode
ppbus0: <Parallel port bus> on ppc0
plip0: <PLIP network interface> on ppbus0
plip0: bpf attached
lpt0: <Printer> on ppbus0
lpt0: Interrupt-driven port
ppi0: <Parallel I/O> on ppbus0
unknown: not probed (disabled)
sio0: irq maps: 0x6001 0x6011 0x6001 0x6001
sio0: <16550A-compatible COM port> port 0x3f8-0x3ff irq 4 flags 0x10 on acpi0
sio0: type 16550A, console
sio1: irq maps: 0x6001 0x6009 0x6001 0x6001
sio1: <16550A-compatible COM port> port 0x2f8-0x2ff irq 3 on acpi0
sio1: type 16550A
unknown: not probed (disabled)
atkbd0: <Keyboard controller (i8042)> port 0x64,0x60 irq 1 on acpi0
atkbd0: <AT Keyboard> irq 1 on atkbd0
atkbd: the current kbd controller command byte 0067
atkbd: keyboard ID 0x41ab (2)
kbc: RESET_KBD return code:00fa
kbc: RESET_KBD status:00aa
kbd0 at atkbd0
kbd0: atkbd0, AT 101/102 (2), config:0x0, flags:0x1d0000
atkbd0: [GIANT-LOCKED]
psm0: unable to allocate IRQ
unknown: not probed (disabled)
unknown: not probed (disabled)
unknown: not probed (disabled)
unknown: not probed (disabled)
ata: ata0 already exists; skipping it
ata: ata1 already exists; skipping it
atkbd: atkbd0 already exists; skipping it
bt: bt0 already exists; skipping it
fdc: fdc0 already exists; skipping it

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ppc: ppc0 already exists; skipping it
sio: sio0 already exists; skipping it
sio: sio1 already exists; skipping it
Trying Read_Port at 203
Trying Read_Port at 243
Trying Read_Port at 283
Trying Read_Port at 2c3
Trying Read_Port at 303
Trying Read_Port at 343
Trying Read_Port at 383
Trying Read_Port at 3c3
unknown: status reg test failed ff
unknown: status reg test failed ff
unknown: status reg test failed ff
unknown: status reg test failed ff
unknown: status reg test failed ff
unknown: status reg test failed ff
sc: sc0 already exists; skipping it
vga: vga0 already exists; skipping it
isa_probe_children: disabling PnP devices
isa_probe_children: probing non-PnP devices
orm0: <ISA Option ROMs> at iomem 0xcc000-0xcfff,0xc8000-0xc87ff,0xc0000-0xc7fff on isa0
pmtimer0 on isa0
adv0: not probed (disabled)
aha0: not probed (disabled)
aic0: not probed (disabled)
cs0: not probed (disabled)
ed0: not probed (disabled)
fe0: not probed (disabled)
ie0: not probed (disabled)
lnc0: not probed (disabled)
pcic0 failed to probe at port 0x3e0 iomem 0xd0000 on isa0
pcic1: not probed (disabled)
sc0: <System console> at flags 0x100 on isa0
sc0: VGA <16 virtual consoles, flags=0x100>
sc0: fb0, kbd0, terminal emulator: sc (syscons terminal)
sio2: not probed (disabled)
sio3: not probed (disabled)
sn0: not probed (disabled)
vga0: <Generic ISA VGA> at port 0x3c0-0x3df iomem 0xa0000-0xbffff on isa0
fb0: vga0, vga, type:VGA (5), flags:0x7007f
fb0: port:0x3c0-0x3df, crtc:0x3d4, mem:0xa0000 0x20000
fb0: init mode:24, bios mode:3, current mode:24
fb0: window:0xc00b8000 size:32k gran:32k, buf:0 size:32k
VGA parameters upon power-up
50 18 10 00 00 00 03 00 02 67 5f 4f 50 82 55 81
bf 1f 00 4f 0d 0e 00 00 07 80 9c 8e 8f 28 1f 96
b9 a3 ff 00 01 02 03 04 05 14 07 38 39 3a 3b 3c
3d 3e 3f 0c 00 0f 08 00 00 00 00 00 10 0e 00 ff
VGA parameters in BIOS for mode 24
50 18 10 00 10 00 03 00 02 67 5f 4f 50 82 55 81
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bf 1f 00 4f 0d 0e 00 00 00 00 9c 8e 8f 28 1f 96
b9 a3 ff 00 01 02 03 04 05 14 07 38 39 3a 3b 3c
3d 3e 3f 0c 00 0f 08 00 00 00 00 00 10 0e 00 ff
EGA/VGA parameters to be used for mode 24
50 18 10 00 10 00 03 00 02 67 5f 4f 50 82 55 81
bf 1f 00 4f 0d 0e 00 00 00 00 9c 8e 8f 28 1f 96
b9 a3 ff 00 01 02 03 04 05 14 07 38 39 3a 3b 3c
3d 3e 3f 0c 00 0f 08 00 00 00 00 00 10 0e 00 ff
vt0: not probed (disabled)
isa_probe_children: probing PnP devices
Device configuration finished.
procfs registered
Timecounter "TSC" frequency 350796649 Hz quality -100
Timecounters tick every 10.000 msec
IPv6 packet filtering initialized, default to accept, logging limited to 100 packets/entry
ipfw2 initialized, divert enabled, rule-based forwarding enabled, default to accept, logging limited to 25
packets/entry by default
lo0: bpf attached
DUMMYNET initialized (011031)
Interrupt storm detected on "irq20: acpi0"; throttling interrupt source
ata0-master: pio=0x0c wdma=0x22 udma=0x45 cable=80pin
ata0-master: setting PIO4 on Intel PIIX4 chip
ata0-master: setting UDMA33 on Intel PIIX4 chip
ad0: <WDC WD300BB-32CLB0/05.04E05> ATA-5 disk at ata0-master
ad0: 28629MB (58633344 sectors), 58168 C, 16 H, 63 S, 512 B
ad0: 16 secs/int, 1 depth queue, UDMA33
ar: FreeBSD check1 failed
ata1-slave: pio=0x0b wdma=0x21 udma=0xffffffff cable=40pin
ata1-master: pio=0x0c wdma=0x22 udma=0x42 cable=40pin
ata1-master: setting PIO4 on Intel PIIX4 chip
ata1-master: setting UDMA33 on Intel PIIX4 chip
ata1-slave: setting PIO3 on Intel PIIX4 chip
ad2: <WDC AC36400L/14.10R11> ATA-4 disk at ata1-master
ad2: 6149MB (12594960 sectors), 13328 C, 15 H, 63 S, 512 B
ad2: 16 secs/int, 1 depth queue, UDMA33
ar: FreeBSD check1 failed
acd0: <MATSHITA CR-583/107J> CDROM drive at ata1 as slave
acd0: read 1378KB/s (1378KB/s), 128KB buffer, PIO3
acd0: Reads: CDR, CDDA
acd0: Writes:
acd0: Audio: play, 256 volume levels
acd0: Mechanism: ejectable tray, unlocked
acd0: Medium: no/blank disc
Waiting 15 seconds for SCSI devices to settle
bt0: Using Strict Round Robin Mailbox Mode
GEOM: new disk ad0
GEOM: new disk ad2
[0] f:80 typ:165 s(CHS):0/1/1 e(CHS):1023/254/63 s:63 l:58621122
[1] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[2] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[3] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
```

GEOM: Configure ad0s1, start 32256 length 30014014464 end 30014046719
[0] f:80 typ:165 s(CHS):0/1/1 e(CHS):15/14/63 s:63 l:12594897
[1] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[2] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[3] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
GEOM: Configure ad2s1, start 32256 length 6448587264 end 6448619519
GEOM: Configure ad2a, start 0 length 33554432 end 33554431
GEOM: Configure ad2c, start 0 length 6448619520 end 6448619519
GEOM: Configure ad2e, start 181379072 length 4608000000 end 4789379071
[0] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[1] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[2] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[3] f:80 typ:165 s(CHS):0/0/1 e(CHS):1023/255/63 s:0 l:50000
GEOM: Configure ad0s1a, start 0 length 134217728 end 134217727
GEOM: Configure ad0s1b, start 134217728 length 536870912 end 671088639
GEOM: Configure ad0s1c, start 0 length 30014014464 end 30014014463
GEOM: Configure ad0s1e, start 671088640 length 16106127360 end 16777215999
GEOM: Configure ad0s1f, start 16777216000 length 13236798464 end 30014014463
[0] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[1] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[2] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[3] f:80 typ:165 s(CHS):0/0/1 e(CHS):1023/255/63 s:0 l:50000
GEOM: Configure ad2s1b, start 0 length 536870912 end 536870911
GEOM: Configure ad2s1c, start 0 length 6448587264 end 6448587263
GEOM: Configure ad2s1e, start 536870912 length 5911716352 end 6448587263
[0] f:80 typ:165 s(CHS):0/1/1 e(CHS):15/14/63 s:63 l:12594897
[1] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[2] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[3] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
GEOM: Configure ad2as1, start 32256 length 6448587264 end 6448619519
[0] f:80 typ:165 s(CHS):0/1/1 e(CHS):15/14/63 s:63 l:12594897
[1] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[2] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[3] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
GEOM: Configure ad2cs1, start 32256 length 6448587264 end 6448619519
[0] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[1] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[2] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[3] f:80 typ:165 s(CHS):0/0/1 e(CHS):1023/255/63 s:0 l:50000
[0] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[1] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[2] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[3] f:80 typ:165 s(CHS):0/0/1 e(CHS):1023/255/63 s:0 l:50000
[0] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[1] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[2] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[3] f:80 typ:165 s(CHS):0/0/1 e(CHS):1023/255/63 s:0 l:50000

```
[0] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[1] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[2] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[3] f:80 typ:165 s(CHS):0/0/1 e(CHS):1023/255/63 s:0 l:50000
GEOM: Configure ad2as1b, start 0 length 536870912 end 536870911
GEOM: Configure ad2as1c, start 0 length 6448587264 end 6448587263
GEOM: Configure ad2as1e, start 536870912 length 5911716352 end 6448587263
[0] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[1] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[2] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[3] f:80 typ:165 s(CHS):0/0/1 e(CHS):1023/255/63 s:0 l:50000
GEOM: Configure ad2cs1b, start 0 length 536870912 end 536870911
GEOM: Configure ad2cs1c, start 0 length 6448587264 end 6448587263
GEOM: Configure ad2cs1e, start 536870912 length 5911716352 end 6448587263
[0] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[1] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[2] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[3] f:80 typ:165 s(CHS):0/0/1 e(CHS):1023/255/63 s:0 l:50000
[0] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[1] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[2] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[3] f:80 typ:165 s(CHS):0/0/1 e(CHS):1023/255/63 s:0 l:50000
[0] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[1] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[2] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[3] f:80 typ:165 s(CHS):0/0/1 e(CHS):1023/255/63 s:0 l:50000
[0] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[1] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[2] f:00 typ:0 s(CHS):0/0/0 e(CHS):0/0/0 s:0 l:0
[3] f:80 typ:165 s(CHS):0/0/1 e(CHS):1023/255/63 s:0 l:50000
bt: ccb 0xd07f7340 - error 4 occurred. btstat = 11, sdstat = 0
bt: ccb 0xd07f7200 - error 4 occurred. btstat = 11, sdstat = 0
bt: ccb 0xd07f7240 - error 4 occurred. btstat = 11, sdstat = 0
bt: ccb 0xd07f7280 - error 4 occurred. btstat = 11, sdstat = 0
bt: ccb 0xd07f72c0 - error 4 occurred. btstat = 11, sdstat = 0
bt: ccb 0xd07f72c0 - error 4 occurred. btstat = 0, sdstat = 2
bt: ccb 0xd07f7280 - error 4 occurred. btstat = 0, sdstat = 2
(probe0:bt0:0:0:0): Retrying Command
pass0 at bt0 bus 0 target 0 lun 0
pass0: <SEAGATE ST31200N 8648> Fixed Direct Access SCSI-2 device
pass0: Serial Number 00672113
pass0: 10.000MB/s transfers (10.000MHz, offset 15), Tagged Queueing Enabled
pass1 at bt0 bus 0 target 6 lun 0
pass1: <ARCHIVE Python 04106-XXX 7550> Removable Sequential Access SCSI-2 device
pass1: Serial Number GS0SB5Q
pass1: 10.000MB/s transfers (10.000MHz, offset 15)
sa0 at bt0 bus 0 target 6 lun 0
sa0: <ARCHIVE Python 04106-XXX 7550> Removable Sequential Access SCSI-2 device
sa0: Serial Number GS0SB5Q
sa0: 10.000MB/s transfers (10.000MHz, offset 15)
da0 at bt0 bus 0 target 0 lun 0
```

freebsd-stable: Panic during boot with BT-948 on RELENG_5_4

da0: <SEAGATE ST31200N 8648> Fixed Direct Access SCSI-2 device
da0: Serial Number 00672113

Fatal trap 18: integer divide fault while in kernel mode
cpuid = 0; apic id = 01
instruction pointer = 0x8:0xc044a80f
stack pointer = 0x10:0xcc76281c
frame pointer = 0x10:0xcc76282c
code segment = base 0x0, limit 0xffff, type 0x1b
 = DPL 0, pres 1, def32 1, gran 1
processor eflags = interrupt enabled, resume, IOPL = 0
current process = 45 (swi3: cambio)
trap number = 18
panic: integer divide fault
cpuid = 0
Uptime: 21s
Cannot dump. No dump device defined.
Automatic reboot in 15 seconds – press a key on the console to abort
--> Press a key on the console to reboot,
--> or switch off the system now.
Rebooting...

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FreeBSD 5.4-RELEASE-p3 #2: Fri Jul 8 12:23:45 EDT 2005

root@cat.int.thehousleys.net:/usr/obj/usr/src/sys/SERVERKERNEL

Timecounter "i8254" frequency 1193182 Hz quality 0

CPU: Pentium II/Pentium II Xeon/Celeron (350.80-MHz 686-class CPU)

Origin = "GenuineIntel" Id = 0x651 Stepping = 1

Features=0x183fbff<FPU,VME,DE,PSE,TSC,MSR,PAE,MCE,CX8,APIC,SEP,MTRR,PGE,MCA,CMOV,PAT,PSE

real memory = 268423168 (255 MB)

avail memory = 253132800 (241 MB)

ACPI APIC Table: <ASUS P2B-D >

FreeBSD/SMP: Multiprocessor System Detected: 2 CPUs

cpu0 (BSP): APIC ID: 1

cpu1 (AP): APIC ID: 0

ioapic0 <Version 1.1> irqs 0–23 on motherboard

npx0: <math processor> on motherboard

npx0: INT 16 interface

acpi0: <ASUS P2B-D> on motherboard

acpi0: Overriding SCI Interrupt from IRQ 9 to IRQ 20

acpi0: Power Button (fixed)

Timecounter "ACPI-safe" frequency 3579545 Hz quality 1000

acpi_timer0: <24-bit timer at 3.579545MHz> port 0xe408–0xe40b on acpi0

cpu0: <ACPI CPU> on acpi0

cpu1: <ACPI CPU> on acpi0

acpi_button0: <Power Button> on acpi0

pcib0: <ACPI Host-PCI bridge> port 0xcf8–0xcff on acpi0

freebsd-stable: Panic during boot with BT-948 on RELENG_5_4

pci0: <ACPI PCI bus> on pcib0
agp0: <Intel 82443BX (440 BX) host to PCI bridge> mem 0xe4000000-0xe7ffffff at device 0.0 on pci0
pcib1: <PCI-PCI bridge> at device 1.0 on pci0
pci1: <PCI bus> on pcib1
isab0: <PCI-ISA bridge> at device 4.0 on pci0
isa0: <ISA bus> on isab0
atapci0: <Intel PIIX4 UDMA33 controller> port 0xd800-0xd80f,0x376,0x170-0x177,0x3f6,0x1f0-0x1f7 at device 4.1 on pci0
ata0: channel #0 on atapci0
ata1: channel #1 on atapci0
uhci0: <Intel 82371AB/EB (PIIX4) USB controller> port 0xd400-0xd41f at device 4.2 on pci0
usb0: <Intel 82371AB/EB (PIIX4) USB controller> on uhci0
usb0: USB revision 1.0
uhub0: Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1
uhub0: 2 ports with 2 removable, self powered
pci0: <bridge> at device 4.3 (no driver attached)
xl0: <3Com 3c905C-TX Fast Etherlink XL> port 0xd000-0xd07f mem 0xe3000000-0xe300007f irq 18 at device 10.0 on pci0
miibus0: <MII bus> on xl0
xlphy0: <3c905C 10/100 internal PHY> on miibus0
xlphy0: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, auto
xl0: Ethernet address: 00:01:02:83:fa:21
bt0: <Buslogic Multi-Master SCSI Host Adapter> port 0xb800-0xb803 mem 0xe2800000-0xe2800fff irq 17 at device 11.0 on pci0
bt0: BT-948 FW Rev. 5.06I Ultra Narrow SCSI Host Adapter, SCSI ID 7, 192 CCBs
pci0: <display, VGA> at device 12.0 (no driver attached)
fdc0: <floppy drive controller> port 0x3f7,0x3f2-0x3f5 irq 6 drq 2 on acpi0
fd0: <1440-KB 3.5" drive> on fdc0 drive 0
ppc0: <Standard parallel printer port> port 0x378-0x37b irq 7 on acpi0
ppc0: Generic chipset (NIBBLE-only) in COMPATIBLE mode
ppbus0: <Parallel port bus> on ppc0
plip0: <PLIP network interface> on ppbus0
lpt0: <Printer> on ppbus0
lpt0: Interrupt-driven port
ppi0: <Parallel I/O> on ppbus0
sio0: <16550A-compatible COM port> port 0x3f8-0x3ff irq 4 flags 0x10 on acpi0
sio0: type 16550A, console
sio1: <16550A-compatible COM port> port 0x2f8-0x2ff irq 3 on acpi0
sio1: type 16550A
atkbd0: <Keyboard controller (i8042)> port 0x64,0x60 irq 1 on acpi0
atkbd0: <AT Keyboard> irq 1 on atkbd0
kbd0 at atkbd0
orm0: <ISA Option ROMs> at iomem 0xcc000-0xcc7ff,0xc8000-0xc87ff,0xc0000-0xc07ff on isa0
pmtimer0 on isa0
sc0: <System console> at flags 0x100 on isa0
sc0: VGA <16 virtual consoles, flags=0x100>
vga0: <Generic ISA VGA> at port 0x3c0-0x3df iomem 0xa0000-0xbffff on isa0
Timecounters tick every 10.000 msec
IPv6 packet filtering initialized, default to accept, logging limited to 100 packets/entry
ipfw2 initialized, divert enabled, rule-based forwarding enabled, default to accept, logging limited to 25 packets/entry by default

freebsd-stable: Panic during boot with BT-948 on RELENG_5_4

Interrupt storm detected on "irq20: acpi0"; throttling interrupt source
ad0: 28629MB <WDC WD300BB-32CLB0/05.04E05> [58168/16/63] at ata0-master UDMA33
ad2: 6149MB <WDC AC36400L/14.10R11> [13328/15/63] at ata1-master UDMA33
acd0: CDROM <MATSHITA CR-583/107J> at ata1-slave PIO3
Waiting 15 seconds for SCSI devices to settle
sa0 at bt0 bus 0 target 6 lun 0
sa0: <ARCHIVE Python 04106-XXX 7550> Removable Sequential Access SCSI-2 device
sa0: 10.000MB/s transfers (10.000MHz, offset 15)
SMP: AP CPU #1 Launched!
Mounting root from ufs:/dev/ad0s1a
Pre-seeding PRNG: kickstart.
Loading configuration files.
Entropy harvesting: interrupts ethernet point_to_point kickstart.
swapon: adding /dev/ad0s1b as swap device
swapon: adding /dev/ad2s1b as swap device
Starting file system checks:

- application/x-pkcs7-signature attachment: S/MIME Cryptographic Signature