

Accessing non-existent cuad0 Causes Lockup

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/current/2007-09/msg00161.html>

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 - *Date:* Sat, 8 Sep 2007 09:41:55 -0700 (PDT)
-

```
# uname -a
FreeBSD dv6000.tddhome 7.0-CURRENT FreeBSD 7.0-CURRENT #4: \
Sat Sep 8 00:21:44 PDT 2007 \
root@xxxxxxxxxxxxxx:/usr/src/sys/GENERIC i386
```

I have an HP Pavillion dv6446 notebook with -current. The notebook does not have a serial port. Dmesg shows sio. Dmesg from boot -v is below.

With a typo, I used tip to connect to cuad0 as a normal user in the dialer group. The system locked up, no response to the keyboard, no response to ping.

```
etc/remote has
hw38400:dv=/dev/cuad0:br#38400:pa=none
hu38400:dv=/dev/cuaU0:br#38400:pa=none
```

```
# tip hw38400
connected
```

and, lockup.

What additional information may I provide?

tomdean

```
# dmesg
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The Regents of the University of California. All rights reserved.
FreeBSD is a registered trademark of The FreeBSD Foundation.
FreeBSD 7.0-CURRENT #4: Sat Sep 8 00:21:44 PDT 2007
root@xxxxxxxxxxxxxx:/usr/src/sys/GENERIC
WARNING: WITNESS option enabled, expect reduced performance.
Preloaded elf kernel "/boot/kernel/kernel" at 0xc0d8c000.
Preloaded elf module "/boot/kernel/acpi.ko" at 0xc0d8c248.
Calibrating clock(s) ... i8254 clock: 1193193 Hz
CLK_USE_I8254_CALIBRATION not specified - using default frequency
Timecounter "i8254" frequency 1193182 Hz quality 0
```

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Calibrating TSC clock ... TSC clock: 1995613575 Hz
CPU: Intel(R) Core(TM) Duo CPU T2450 @ 2.00GHz (1995.61-MHz 686-class CPU)
Origin = "GenuineIntel" Id = 0x6ec Stepping = 12
Features=0xbfe9fbff<FPU,VME,DE,PSE,TSC,MSR,PAE,MCE,CX8,APIC,SEP,MTRR,PGE,MCA,CMOV,PAT,CLFLUSH>
Features2=0xc189<SSE3,MON,EST,TM2,xTPR,PDCM>
AMD Features=0x100000<NX>
Cores per package: 2

Instruction TLB: 4 KB Pages, 4-way set associative, 128 entries
Data TLB: 4 KB Pages, 4-way set associative, 128 entries
Instruction TLB: 4 MB pages, fully associative, 2 entries
2nd-level cache: 2-MB, 8-way set associative, 64-byte line size
1st-level instruction cache: 32 KB, 8-way set associative, 64 byte line size
Data TLB: 4 MB Pages, 4-way set associative, 8 entries
1st-level data cache: 32 KB, 8-way set associative, 64 byte line size
L2 cache: 2048 kbytes, 8-way associative, 64 bytes/line
real memory = 2137456640 (2038 MB)
Physical memory chunk(s):
0x0000000000001000 - 0x000000000009efff, 647168 bytes (158 pages)
0x0000000000100000 - 0x00000000003fffff, 3145728 bytes (768 pages)
0x000000001028000 - 0x000000007d24ffff, 2082615296 bytes (508451 pages)
avail memory = 2082082816 (1985 MB)
MP Configuration Table version 1.4 found at 0xc009fd71
Table 'FACP' at 0x7f683bf8
Table 'APIC' at 0x7f683cec
MADT: Found table at 0x7f683cec
APIC: Using the MADT enumerator.
MADT: Found CPU APIC ID 0 ACPI ID 0: enabled
SMP: Added CPU 0 (AP)
MADT: Found CPU APIC ID 1 ACPI ID 1: enabled
SMP: Added CPU 1 (AP)
ACPI APIC Table: <HP 30BB >
INTR: Adding local APIC 1 as a target
FreeBSD/SMP: Multiprocessor System Detected: 2 CPUs
cpu0 (BSP): APIC ID: 0
cpu1 (AP): APIC ID: 1
bios32: Found BIOS32 Service Directory header at 0xc00f7cc0
bios32: Entry = 0xfd610 (c00fd610) Rev = 0 Len = 1
pcbios: PCI BIOS entry at 0xfd610+0x273
pnpbios: Found PnP BIOS data at 0xc00f7d30
pnpbios: Entry = f0000:bde5 Rev = 1.0
Other BIOS signatures found:
APIC: CPU 0 has ACPI ID 0
APIC: CPU 1 has ACPI ID 1
ACPI: RSDP @ 0x0xf7c60/0x0024 (v 2 HP)
ACPI: XSDT @ 0x0x7f67b353/0x0084 (v 1 HPQOEM SLIC-MPC 0x06040000 LTP 0x00000000)
ACPI: FACP @ 0x0x7f683bf8/0x00F4 (v 3 INTEL CALISTGA 0x06040000 ALAN 0x00000001)
ACPI: DSDT @ 0x0x7f67c655/0x752F (v 1 HP 30BB 0x06040000 MSFT 0x0100000E)
ACPI: FACS @ 0x0x7f684fc0/0x0040
ACPI: APIC @ 0x0x7f683cec/0x0068 (v 1 HP 30BB 0x06040000 LOHR 0x0000005A)
ACPI: HPET @ 0x0x7f683d54/0x0038 (v 1 HP 30BB 0x06040000 LOHR 0x0000005A)

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ACPI: MCFG @ 0x0x7f683d8c/0x003C (v 1 HP 30BB 0x06040000 LOHR 0x0000005A)
ACPI: TCPA @ 0x0x7f683dc8/0x0032 (v 1 HP 30BB 0x06040000 PTL 0x00000001)
ACPI: APIC @ 0x0x7f683dfa/0x0068 (v 1 HP 30BB 0x06040000 LTP 0x00000000)
ACPI: BOOT @ 0x0x7f683e62/0x0028 (v 1 HP 30BB 0x06040000 LTP 0x00000001)
ACPI: SLIC @ 0x0x7f683e8a/0x0176 (v 1 HPQOEM SLIC-MPC 0x06040000 LTP 0x00000001)
ACPI: SSDT @ 0x0x7f67c44b/0x020A (v 1 HP 30BB 0x00001000 INTL 0x20050624)
ACPI: SSDT @ 0x0x7f67b963/0x025F (v 1 HP 30BB 0x00003000 INTL 0x20050624)
ACPI: SSDT @ 0x0x7f67b8bd/0x00A6 (v 1 HP 30BB 0x00003000 INTL 0x20050624)
ACPI: SSDT @ 0x0x7f67b3d7/0x04E6 (v 1 HP 30BB 0x00003000 INTL 0x20050624)
MADT: Found IO APIC ID 1, Interrupt 0 at 0xfec00000
ioapic0: Changing APIC ID to 1
ioapic0: Routing external 8259A's -> intpin 0
MADT: Interrupt override: source 0, irq 2
ioapic0: Routing IRQ 0 -> intpin 2
MADT: Interrupt override: source 9, irq 9
ioapic0: intpin 9 trigger: level
lapic0: Routing NMI -> LINT1
lapic0: LINT1 trigger: edge
lapic0: LINT1 polarity: high
lapic1: Routing NMI -> LINT1
lapic1: LINT1 trigger: edge
lapic1: LINT1 polarity: high
ioapic0 <Version 2.0> irqs 0-23 on motherboard
cpu0 BSP:
ID: 0x00000000 VER: 0x00050014 LDR: 0x00000000 DFR: 0xffffffff
lint0: 0x00010700 lint1: 0x00000400 TPR: 0x00000000 SVR: 0x000001ff
timer: 0x000100ef therm: 0x00000200 err: 0x00010000 pcm: 0x00010000
wlan: <802.11 Link Layer>
ath_rate: version 1.2 <SampleRate bit-rate selection algorithm>
wlan_amrr: <AMRR Transmit Rate Control Algorithm>
random: <entropy source, Software, Yarrow>
nfslock: pseudo-device
kbd: new array size 4
kbd1 at kbdmux0
mem: <memory>
Pentium Pro MTRR support enabled
io: <I/O>
null: <null device, zero device>
ath_hal: 0.9.20.3 (AR5210, AR5211, AR5212, RF5111, RF5112, RF2413, RF5413)
rr232x: RocketRAID 232x controller driver v1.02 (Sep 8 2007 00:21:27)
npx0: INT 16 interface
acpi0: <HPQOEM SLIC-MPC> on motherboard
ioapic0: routing intpin 9 (ISA IRQ 9) to vector 48
acpi0: [MPSAFE]
acpi0: [ITHREAD]
acpi_hpet0: <High Precision Event Timer> iomem 0xfed00000-0xfed003ff on acpi0
acpi_hpet0: vend: 0x8086 rev: 0x1 num: 1 hz: 14318180 opts: leg_route count_size
Timecounter "HPET" frequency 14318180 Hz quality 900
acpi0: Power Button (fixed)
acpi0: wakeup code va 0xd906f000 pa 0x1000
pci_open(1): mode 1 addr port (0x0cf8) is 0x8000fa20

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pci_open(1a): mode1res=0x80000000 (0x80000000)
pci_cfgcheck: device 0 [class=060000] [hdr=00] is there (id=27a08086)
pcibios: BIOS version 2.10
AcpiOsDerivePciId: \_SB_.PCI0.HBUS -> bus 0 dev 0 func 0
AcpiOsDerivePciId: \_SB_.PCI0.RP02.P2CS -> bus 0 dev 28 func 1
AcpiOsDerivePciId: \_SB_.PCI0.RP03.P3CS -> bus 0 dev 28 func 2
AcpiOsDerivePciId: \_SB_.PCI0.LPCB.LPC0 -> bus 0 dev 31 func 0
acpi0: reservation of fed00000, 400 (3) failed
ACPI timer: 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 -> 10
Timecounter "ACPI-fast" frequency 3579545 Hz quality 1000
acpi_timer0: <24-bit timer at 3.579545MHz> port 0x1008-0x100b on acpi0
acpi_ec0: <Embedded Controller: GPE 0x17> port 0x62,0x66 on acpi0
pci_link0: Index IRQ Rtd Ref IRQs
Initial Probe 0 11 N 0 11
Validation 0 11 N 0 11
After Disable 0 255 N 0 11
pci_link1: Index IRQ Rtd Ref IRQs
Initial Probe 0 3 N 0 3
Validation 0 3 N 0 3
After Disable 0 255 N 0 3
pci_link2: Index IRQ Rtd Ref IRQs
Initial Probe 0 3 N 0 3
Validation 0 3 N 0 3
After Disable 0 255 N 0 3
pci_link3: Index IRQ Rtd Ref IRQs
Initial Probe 0 4 N 0 4
Validation 0 4 N 0 4
After Disable 0 255 N 0 4
pci_link4: Index IRQ Rtd Ref IRQs
Initial Probe 0 10 N 0 10
Validation 0 10 N 0 10
After Disable 0 255 N 0 10
pci_link5: Index IRQ Rtd Ref IRQs
Initial Probe 0 255 N 0 11
Validation 0 255 N 0 11
After Disable 0 255 N 0 11
pci_link6: Index IRQ Rtd Ref IRQs
Initial Probe 0 5 N 0 5
Validation 0 5 N 0 5
After Disable 0 255 N 0 5
pci_link7: Index IRQ Rtd Ref IRQs
Initial Probe 0 7 N 0 7
Validation 0 7 N 0 7
After Disable 0 255 N 0 7
cpu0: <ACPI CPU> on acpi0
ACPI: SSDT @ 0x0x7f67c109/0x027A (v 1 HP 30BB 0x00003000 INTL 0x20050624)
ACPI: SSDT @ 0x0x7f67bbc2/0x04C2 (v 1 HP 30BB 0x00003001 INTL 0x20050624)
est0: <Enhanced SpeedStep Frequency Control> on cpu0
p4tcc0: <CPU Frequency Thermal Control> on cpu0
cpu1: <ACPI CPU> on acpi0
ACPI: SSDT @ 0x0x7f67c383/0x00C8 (v 1 HP 30BB 0x00003000 INTL 0x20050624)
```

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ACPI: SSDT @ 0x0x7f67c084/0x0085 (v 1 HP 30BB 0x00003000 INTL 0x20050624)
est1: <Enhanced SpeedStep Frequency Control> on cpu1
p4tcc1: <CPU Frequency Thermal Control> on cpu1
acpi_button0: <Power Button> on acpi0
acpi_button1: <Sleep Button> on acpi0
acpi_acad0: <AC Adapter> on acpi0
battery0: <ACPI Control Method Battery> on acpi0
acpi_lid0: <Control Method Lid Switch> on acpi0
pcib0: <ACPI Host-PCI bridge> port 0xcf8-0xcff on acpi0
pci0: <ACPI PCI bus> on pcib0
pci0: physical bus=0
found-> vendor=0x8086, dev=0x27a0, revid=0x03
bus=0, slot=0, func=0
class=06-00-00, hdrtype=0x00, mfdev=0
cmdreg=0x0106, statreg=0x2090, cachelsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
found-> vendor=0x8086, dev=0x27a2, revid=0x03
bus=0, slot=2, func=0
class=03-00-00, hdrtype=0x00, mfdev=1
cmdreg=0x0007, statreg=0x0090, cachelsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=a, irq=11
powerspec 2 supports D0 D3 current D0
MSI supports 1 message
map[10]: type Memory, range 32, base 0xd8100000, size 19, enabled
map[14]: type I/O Port, range 32, base 0x1800, size 3, enabled
map[18]: type Prefetchable Memory, range 32, base 0xc0000000, size 28, enabled
map[1c]: type Memory, range 32, base 0xd8200000, size 18, enabled
pcib0: matched entry for 0.2.INTA
pcib0: slot 2 INTA hardwired to IRQ 16
found-> vendor=0x8086, dev=0x27a6, revid=0x03
bus=0, slot=2, func=1
class=03-80-00, hdrtype=0x00, mfdev=1
cmdreg=0x0007, statreg=0x0090, cachelsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
powerspec 2 supports D0 D3 current D0
map[10]: type Memory, range 32, base 0xd8180000, size 19, enabled
found-> vendor=0x8086, dev=0x27d8, revid=0x02
bus=0, slot=27, func=0
class=04-03-00, hdrtype=0x00, mfdev=0
cmdreg=0x0006, statreg=0x0010, cachelsz=16 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=a, irq=5
powerspec 2 supports D0 D3 current D0
MSI supports 1 message, 64 bit
map[10]: type Memory, range 64, base 0xd8240000, size 14, enabled
pcib0: matched entry for 0.27.INTA
pcib0: slot 27 INTA hardwired to IRQ 22
found-> vendor=0x8086, dev=0x27d0, revid=0x02
bus=0, slot=28, func=0
class=06-04-00, hdrtype=0x01, mfdev=1

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cmdreg=0x0007, statreg=0x0010, cachelsz=16 (dwords)
lattimer=0x00 (0 ns), mingnt=0x04 (1000 ns), maxlat=0x00 (0 ns)
intpin=a, irq=3
powerspec 2 supports D0 D3 current D0
MSI supports 1 message
pcib0: matched entry for 0.28.INTA
pcib0: slot 28 INTA hardwired to IRQ 17
found-> vendor=0x8086, dev=0x27d2, revid=0x02
bus=0, slot=28, func=1
class=06-04-00, hdrtype=0x01, mfdev=1
cmdreg=0x0007, statreg=0x0010, cachelsz=16 (dwords)
lattimer=0x00 (0 ns), mingnt=0x04 (1000 ns), maxlat=0x00 (0 ns)
intpin=b, irq=11
powerspec 2 supports D0 D3 current D0
MSI supports 1 message
pcib0: matched entry for 0.28.INTB
pcib0: slot 28 INTB hardwired to IRQ 16
found-> vendor=0x8086, dev=0x27c8, revid=0x02
bus=0, slot=29, func=0
class=0c-03-00, hdrtype=0x00, mfdev=1
cmdreg=0x0005, statreg=0x0280, cachelsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=a, irq=7
map[20]: type I/O Port, range 32, base 0x1820, size 5, enabled
pcib0: matched entry for 0.29.INTA
pcib0: slot 29 INTA hardwired to IRQ 23
found-> vendor=0x8086, dev=0x27c9, revid=0x02
bus=0, slot=29, func=1
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=b, irq=10
map[20]: type I/O Port, range 32, base 0x1840, size 5, enabled
pcib0: matched entry for 0.29.INTB
pcib0: slot 29 INTB hardwired to IRQ 19
found-> vendor=0x8086, dev=0x27ca, revid=0x02
bus=0, slot=29, 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=c, irq=3
map[20]: type I/O Port, range 32, base 0x1860, size 5, enabled
pcib0: matched entry for 0.29.INTC
pcib0: slot 29 INTC hardwired to IRQ 18
found-> vendor=0x8086, dev=0x27cb, revid=0x02
bus=0, slot=29, func=3
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=11
map[20]: type I/O Port, range 32, base 0x1880, size 5, enabled

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pcib0: matched entry for 0.29.INTD
pcib0: slot 29 INTD hardwired to IRQ 16
found-> vendor=0x8086, dev=0x27cc, revid=0x02
bus=0, slot=29, func=7
class=0c-03-20, hdrtype=0x00, mfdev=0
cmdreg=0x0006, statreg=0x0290, cachelsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=a, irq=7
powerspec 2 supports D0 D3 current D0
map[10]: type Memory, range 32, base 0xd8444000, size 10, enabled
pcib0: matched entry for 0.29.INTA
pcib0: slot 29 INTA hardwired to IRQ 23
found-> vendor=0x8086, dev=0x2448, revid=0xe2
bus=0, slot=30, func=0
class=06-04-01, hdrtype=0x01, mfdev=0
cmdreg=0x0004, statreg=0x0010, cachelsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
found-> vendor=0x8086, dev=0x27b9, revid=0x02
bus=0, slot=31, func=0
class=06-01-00, hdrtype=0x00, mfdev=1
cmdreg=0x0007, statreg=0x0210, cachelsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
found-> vendor=0x8086, dev=0x27df, revid=0x02
bus=0, slot=31, func=1
class=01-01-8a, hdrtype=0x00, mfdev=0
cmdreg=0x0005, statreg=0x0280, cachelsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=a, irq=255
map[20]: type I/O Port, range 32, base 0x1810, size 4, enabled
found-> vendor=0x8086, dev=0x27c5, revid=0x02
bus=0, slot=31, func=2
class=01-06-01, hdrtype=0x00, mfdev=0
cmdreg=0x0007, statreg=0x02b0, cachelsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=b, irq=4
powerspec 2 supports D0 D3 current D0
MSI supports 1 message
map[10]: type I/O Port, range 32, base 0x18d0, size 3, enabled
map[14]: type I/O Port, range 32, base 0x18c4, size 2, enabled
map[18]: type I/O Port, range 32, base 0x18c8, size 3, enabled
map[1c]: type I/O Port, range 32, base 0x18c0, size 2, enabled
map[20]: type I/O Port, range 32, base 0x18b0, size 4, enabled
map[24]: type Memory, range 32, base 0xd8444400, size 10, enabled
pcib0: matched entry for 0.31.INTB
pcib0: slot 31 INTB hardwired to IRQ 19
found-> vendor=0x8086, dev=0x27da, revid=0x02
bus=0, slot=31, func=3
class=0c-05-00, hdrtype=0x00, mfdev=0
cmdreg=0x0001, statreg=0x0280, cachelsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=b, irq=4

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map[20]: type I/O Port, range 32, base 0x18e0, size 5, enabled
pcib0: matched entry for 0.31.INTB
pcib0: slot 31 INTB hardwired to IRQ 19
vgapci0: <VGA-compatible display> port 0x1800-0x1807 mem
0xd8100000-0xd817ffff,0xc0000000-0xcfffffff,0xd8200000-0xd823ffff irq 16 at device 2.0 on pci0
agp0: <Intel 82945GM (945GM GMCH) SVGA controller> on vgapci0
vgapci0: Reserved 0x10000000 bytes for rid 0x18 type 3 at 0xc0000000
vgapci0: Reserved 0x80000 bytes for rid 0x10 type 3 at 0xd8100000
vgapci0: Reserved 0x40000 bytes for rid 0x1c type 3 at 0xd8200000
agp0: detected 7932k stolen memory
agp0: aperture size is 256M
vgapci1: <VGA-compatible display> mem 0xd8180000-0xd81ffff at device 2.1 on pci0
pci0: <multimedia> at device 27.0 (no driver attached)
pcib1: <ACPI PCI-PCI bridge> irq 17 at device 28.0 on pci0
pcib1: secondary bus 2
pcib1: subordinate bus 2
pcib1: I/O decode 0x2000-0x2fff
pcib1: memory decode 0xd6000000-0xd7ffffff
pcib1: prefetched decode 0xd2000000-0xd3ffffff
pci2: <ACPI PCI bus> on pcib1
pci2: physical bus=2
found-> vendor=0x8086, dev=0x4222, revid=0x02
bus=2, slot=0, func=0
class=02-80-00, hdrtype=0x00, mfdev=0
cmdreg=0x0006, statreg=0x0010, cacheInsz=16 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=a, irq=11
powerspec 2 supports D0 D3 current D0
MSI supports 1 message, 64 bit
map[10]: type Memory, range 32, base 0xd6000000, size 12, enabled
pcib1: requested memory range 0xd6000000-0xd6000fff: good
pcib1: matched entry for 2.0.INTA
pcib1: slot 0 INTA hardwired to IRQ 16
pci2: <network> at device 0.0 (no driver attached)
pcib2: <ACPI PCI-PCI bridge> irq 16 at device 28.1 on pci0
pcib2: secondary bus 3
pcib2: subordinate bus 4
pcib2: I/O decode 0x3000-0x3fff
pcib2: memory decode 0xd4000000-0xd5ffffff
pcib2: prefetched decode 0xd0000000-0xd1ffffff
pci3: <ACPI PCI bus> on pcib2
pci3: physical bus=3
uhci0: <UHCI (generic) USB controller> port 0x1820-0x183f irq 23 at device 29.0 on pci0
uhci0: Reserved 0x20 bytes for rid 0x20 type 4 at 0x1820
ioapic0: routing intpin 23 (PCI IRQ 23) to vector 49
uhci0: [GIANT-LOCKED]
uhci0: [ITHREAD]
usb0: <UHCI (generic) USB controller> on uhci0
usb0: USB revision 1.0
uhub0: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> on usb0
uhub0: 2 ports with 2 removable, self powered

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uhci1: <UHCI (generic) USB controller> port 0x1840–0x185f irq 19 at device 29.1 on pci0
uhci1: Reserved 0x20 bytes for rid 0x20 type 4 at 0x1840
ioapic0: routing intpin 19 (PCI IRQ 19) to vector 50
uhci1: [GIANT–LOCKED]
uhci1: [ITHREAD]
usb1: <UHCI (generic) USB controller> on uhci1
usb1: USB revision 1.0
uhub1: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> on usb1
uhub1: 2 ports with 2 removable, self powered
uhci2: <UHCI (generic) USB controller> port 0x1860–0x187f irq 18 at device 29.2 on pci0
uhci2: Reserved 0x20 bytes for rid 0x20 type 4 at 0x1860
ioapic0: routing intpin 18 (PCI IRQ 18) to vector 51
uhci2: [GIANT–LOCKED]
uhci2: [ITHREAD]
usb2: <UHCI (generic) USB controller> on uhci2
usb2: USB revision 1.0
uhub2: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> on usb2
uhub2: 2 ports with 2 removable, self powered
uhci3: <UHCI (generic) USB controller> port 0x1880–0x189f irq 16 at device 29.3 on pci0
uhci3: Reserved 0x20 bytes for rid 0x20 type 4 at 0x1880
ioapic0: routing intpin 16 (PCI IRQ 16) to vector 52
uhci3: [GIANT–LOCKED]
uhci3: [ITHREAD]
usb3: <UHCI (generic) USB controller> on uhci3
usb3: USB revision 1.0
uhub3: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> on usb3
uhub3: 2 ports with 2 removable, self powered
ehci0: <Intel 82801GB/R (ICH7) USB 2.0 controller> mem 0xd8444000–0xd84443ff irq 23 at device 29.7 on pci0
ehci0: Reserved 0x400 bytes for rid 0x10 type 3 at 0xd8444000
ehci0: [GIANT–LOCKED]
ehci0: [ITHREAD]
usb4: EHCI version 1.0
usb4: companion controllers, 2 ports each: usb0 usb1 usb2 usb3
usb4: <Intel 82801GB/R (ICH7) USB 2.0 controller> on ehci0
usb4: USB revision 2.0
uhub4: <Intel EHCI root hub, class 9/0, rev 2.00/1.00, addr 1> on usb4
uhub4: 8 ports with 8 removable, self powered
ugen0: <Sonix Technology Co., Ltd. USB 2.0 Camera, class 239/2, rev 2.00/2.10, addr 2> on uhub4
pcib3: <ACPI PCI–PCI bridge> at device 30.0 on pci0
pcib3: secondary bus 5
pcib3: subordinate bus 5
pcib3: I/O decode 0x0–0x0
pcib3: no prefetched decode
pcib3: Subtractively decoded bridge.
pci5: <ACPI PCI bus> on pcib3
pci5: physical bus=5
found-> vendor=0x1180, dev=0x0832, revid=0x00
bus=5, slot=5, func=0
class=0c–00–10, hdrtype=0x00, mfdev=1
cmdreg=0x0006, statreg=0x0210, cachelsz=0 (dwords)

Accessing non-existent cuad0 Causes Lockup

lattimer=0x00 (0 ns), mingnt=0x02 (500 ns), maxlat=0x04 (1000 ns)
intpin=a, irq=11
powerspec 2 supports D0 D1 D2 D3 current D0
map[10]: type Memory, range 32, base 0xd8001000, size 11, enabled
pcib3: requested memory range 0xd8001000-0xd80017ff: good
pcib3: matched entry for 5.5.INTA
pcib3: slot 5 INTA hardwired to IRQ 16
found-> vendor=0x1180, dev=0x0822, revid=0x19
bus=5, slot=5, func=1
class=08-05-00, hdrtype=0x00, mfdev=1
cmdreg=0x0000, statreg=0x0210, cachelsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=b, irq=3
powerspec 2 supports D0 D1 D2 D3 current D0
map[10]: type Memory, range 32, base 0xd8001800, size 8, memory disabled
pcib3: requested memory range 0xd8001800-0xd80018ff: good
pcib3: matched entry for 5.5.INTB
pcib3: slot 5 INTB hardwired to IRQ 17
found-> vendor=0x1180, dev=0x0843, revid=0x01
bus=5, slot=5, func=2
class=08-80-00, hdrtype=0x00, mfdev=1
cmdreg=0x0000, statreg=0x0210, cachelsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=b, irq=3
powerspec 2 supports D0 D1 D2 D3 current D0
map[10]: type Memory, range 32, base 0xd8001c00, size 8, memory disabled
pcib3: requested memory range 0xd8001c00-0xd8001cff: good
pcib3: matched entry for 5.5.INTB
pcib3: slot 5 INTB hardwired to IRQ 17
found-> vendor=0x1180, dev=0x0592, revid=0x0a
bus=5, slot=5, func=3
class=08-80-00, hdrtype=0x00, mfdev=1
cmdreg=0x0000, statreg=0x0210, cachelsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=b, irq=3
powerspec 2 supports D0 D1 D2 D3 current D0
map[10]: type Memory, range 32, base 0xd8002000, size 8, memory disabled
pcib3: requested memory range 0xd8002000-0xd80020ff: good
pcib3: matched entry for 5.5.INTB
pcib3: slot 5 INTB hardwired to IRQ 17
found-> vendor=0x1180, dev=0x0852, revid=0x05
bus=5, slot=5, func=4
class=08-80-00, hdrtype=0x00, mfdev=1
cmdreg=0x0000, statreg=0x0210, cachelsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=b, irq=3
powerspec 2 supports D0 D1 D2 D3 current D0
map[10]: type Memory, range 32, base 0xd8002400, size 8, memory disabled
pcib3: requested memory range 0xd8002400-0xd80024ff: good
pcib3: matched entry for 5.5.INTB
pcib3: slot 5 INTB hardwired to IRQ 17

Accessing non-existent cuad0 Causes Lockup

found-> vendor=0x8086, dev=0x1092, revid=0x02
bus=5, slot=8, func=0
class=02-00-00, hdrtype=0x00, mfdev=0
cmdreg=0x0003, statreg=0x0290, cachelsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x08 (2000 ns), maxlat=0x38 (14000 ns)
intpin=a, irq=10
powerspec 2 supports D0 D1 D2 D3 current D0
map[10]: type Memory, range 32, base 0xd8000000, size 12, enabled
pcib3: requested memory range 0xd8000000-0xd8000fff: good
map[14]: type I/O Port, range 32, base 0x4000, size 6, enabled
pcib3: matched entry for 5.8.INTA
pcib3: slot 8 INTA hardwired to IRQ 20
fwohci0: vendor=1180, dev=832
fwohci0: vendor=1180, dev=832
fwohci0: <1394 Open Host Controller Interface> mem 0xd8001000-0xd80017ff irq 16 at device 5.0 on pci5
fwohci0: Reserved 0x800 bytes for rid 0x10 type 3 at 0xd8001000
fwohci0: [MPSAFE]
fwohci0: [FILTER]
fwohci0: OHCI version 1.10 (ROM=0)
fwohci0: No. of Isochronous channels is 4.
fwohci0: EUI64 00:24:1b:00:bb:30:23:00
fwohci0: Phy 1394a available S400, 1 ports.
fwohci0: Link S400, max_rec 2048 bytes.
firewire0: <IEEE1394(FireWire) bus> on fwohci0
fwe0: <Ethernet over FireWire> on firewire0
if_fwe0: Fake Ethernet address: 02:24:1b:30:23:00
fwe0: bpf attached
fwe0: Ethernet address: 02:24:1b:30:23:00
fwip0: <IP over FireWire> on firewire0
fwip0: bpf attached
fwip0: Firewire address: 00:24:1b:00:bb:30:23:00 @ 0xffffe00000000, S400, maxrec 2048
sbp0: <SBP-2/SCSI over FireWire> on firewire0
dcons_crom0: <dcons configuration ROM> on firewire0
dcons_crom0: bus_addr 0x7d0c0000
fwohci0: Initiate bus reset
fwohci0: BUS reset
fwohci0: node_id=0xc800ffc0, gen=1, CYCLEMASTER mode
pci5: <base peripheral> at device 5.1 (no driver attached)
pci5: <base peripheral> at device 5.2 (no driver attached)
pci5: <base peripheral> at device 5.3 (no driver attached)
pci5: <base peripheral> at device 5.4 (no driver attached)
fxp0: <Intel Pro/100 VE Network Connection> port 0x4000-0x403f mem 0xd8000000-0xd8000fff irq 20 at device 8.0 on pci5
fxp0: Reserved 0x1000 bytes for rid 0x10 type 3 at 0xd8000000
fxp0: using memory space register mapping
fxp0: PCI IDs: 8086 1092 103c 30bb 0002
fxp0: Dynamic Standby mode is enabled
miibus0: <MII bus> on fxp0
inphy0: <i82562ET 10/100 media interface> PHY 1 on miibus0
inphy0: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, auto
fxp0: bpf attached

Accessing non-existent cuad0 Causes Lockup

fxp0: Ethernet address: 00:1b:24:49:da:97
ioapic0: routing intpin 20 (PCI IRQ 20) to vector 53
fxp0: [MPSAFE]
fxp0: [ITHREAD]
isab0: <PCI-ISA bridge> at device 31.0 on pci0
isa0: <ISA bus> on isab0
atapci0: <Intel ICH7 UDMA100 controller> port 0x1f0-0x1f7,0x3f6,0x170-0x177,0x376,0x1810-0x181f at device 31.1 on pci0
atapci0: Reserved 0x10 bytes for rid 0x20 type 4 at 0x1810
ata0: <ATA 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: stat0=0x00 err=0x01 lsb=0x14 msb=0xeb
ata0: stat1=0x00 err=0x00 lsb=0x00 msb=0x00
ata0: reset tp2 stat0=00 stat1=00 devices=0x4<ATAPI_MASTER>
ioapic0: routing intpin 14 (ISA IRQ 14) to vector 54
ata0: [MPSAFE]
ata0: [ITHREAD]
ata1: <ATA 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=00 ostat0=ff ostat1=ff
ioapic0: routing intpin 15 (ISA IRQ 15) to vector 55
ata1: [MPSAFE]
ata1: [ITHREAD]
atapci1: <Intel ICH7M SATA300 controller> port 0x18d0-0x18d7,0x18c4-0x18c7,0x18c8-0x18cf,0x18c0-0x18c3,0x18b0-0x18bf mem 0xd8444400-0xd84447ff irq 19 at device 31.2 on pci0
atapci1: Reserved 0x10 bytes for rid 0x20 type 4 at 0x18b0
atapci1: [MPSAFE]
atapci1: [ITHREAD]
atapci1: Reserved 0x400 bytes for rid 0x24 type 3 at 0xd8444400
atapci1: AHCI Version 01.10 controller with 4 ports detected
ata2: <ATA channel 0> on atapci1
ata2: SATA connect time=0ms
ata2: [MPSAFE]
ata2: [ITHREAD]
ata3: <ATA channel 1> on atapci1
ata3: port not implemented
ata3: [MPSAFE]
ata3: [ITHREAD]
ata4: <ATA channel 2> on atapci1
ata4: SATA connect status=00000000
ata4: [MPSAFE]
ata4: [ITHREAD]
ata5: <ATA channel 3> on atapci1
ata5: port not implemented
ata5: [MPSAFE]
ata5: [ITHREAD]
pci0: <serial bus, SMBus> at device 31.3 (no driver attached)

Accessing non-existent cuad0 Causes Lockup

```
acpi_tz0: <Thermal Zone> on acpi0
atkbd0: <Keyboard controller (i8042)> port 0x60,0x64 irq 1 on acpi0
atkbd0: <AT Keyboard> irq 1 on atkbd0
atkbd: the current kbd controller command byte 0047
atkbd: keyboard ID 0x41ab (2)
kbd0 at atkbd0
kbd0: atkbd0, AT 101/102 (2), config:0x0, flags:0x3d0000
ioapic0: routing intpin 1 (ISA IRQ 1) to vector 56
atkbd0: [GIANT-LOCKED]
atkbd0: [ITHREAD]
psm0: unable to allocate IRQ
psmcpnp0: <PS/2 mouse port> irq 12 on acpi0
psm0: current command byte:0047
psm0: <PS/2 Mouse> irq 12 on atkbd0
ioapic0: routing intpin 12 (ISA IRQ 12) to vector 57
psm0: [GIANT-LOCKED]
psm0: [ITHREAD]
psm0: model IntelliMouse, device ID 3-00, 3 buttons
psm0: config:00000000, flags:00000008, packet size:4
psm0: syncmask:08, syncbits:00
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
ex_isa_identify()
ata: ata0 already exists; skipping it
ata: ata1 already exists; skipping it
atkbd: atkbd0 already exists; skipping it
pnp_identify: Trying Read_Port at 203
pnp_identify: Trying Read_Port at 243
pnp_identify: Trying Read_Port at 283
pnp_identify: Trying Read_Port at 2c3
pnp_identify: Trying Read_Port at 303
pnp_identify: Trying Read_Port at 343
pnp_identify: Trying Read_Port at 383
pnp_identify: Trying Read_Port at 3c3
PNP Identify complete
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
pmtimer0 on isa0
orm0: <ISA Option ROMs> at iomem 0xce800-0xcffff,0xdf000-0xdf7ff,0xe0000-0xe17ff pnpid ORM0000
on isa0
adv0: not probed (disabled)
aha0: not probed (disabled)
aic0: not probed (disabled)
bt0: not probed (disabled)
cs0: not probed (disabled)
```

Accessing non-existent cuad0 Causes Lockup

ed0: not probed (disabled)
fdc0 failed to probe at port 0x3f0-0x3f5,0x3f7 irq 6 drq 2 on isa0
fe0: not probed (disabled)
ie0: not probed (disabled)
le0: not probed (disabled)
ppc0: parallel port not found.
ppc0: <Parallel port> failed to probe at irq 7 on isa0
sc0: <System console> at flags 0x100 on isa0
sc0: VGA <16 virtual consoles, flags=0x300>
sc0: fb0, kbd1, terminal emulator: sc (syscons terminal)
sio0: configured irq 4 not in bitmap of probed irqs 0
sio0: port may not be enabled
sio0: irq maps: 0xeb9 0xeb9 0xeb9 0xeb9
sio0: probe failed test(s): 0 1 2 4 6 7 9
sio0: configured irq 4 not in bitmap of probed irqs 0
sio0: port may not be enabled
sio0: irq maps: 0xeb9 0xeb9 0xeb9 0xeb9
sio0: probe failed test(s): 0 1 2 4 6 7 9
sio0 at port 0x3f8-0x3ff irq 4 flags 0x10 on isa0
sio0: type 8250 or not responding
ioapic0: routing intpin 4 (ISA IRQ 4) to vector 58
sio0: [FILTER]
sio1: configured irq 3 not in bitmap of probed irqs 0
sio1: port may not be enabled
sio1: irq maps: 0xeb9 0xeb9 0xeb9 0xeb9
sio1: probe failed test(s): 0 1 2 4 6 7 9
sio1 failed to probe at port 0x2f8-0x2ff irq 3 on isa0
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
vt0: not probed (disabled)
isa_probe_children: probing PnP devices
Device configuration finished.
Reducing kern.maxvnodes 133508 -> 100000
procfs registered
lapic: Divisor 2, Frequency 66520468 hz
Timecounter "TSC" frequency 1995613575 Hz quality -100
Timecounters tick every 1.000 msec
lo0: bpf attached
rr232x: no controller detected.
firewire0: 1 nodes, maxhop <= 0, cable IRM = 0 (me)
firewire0: bus manager 0 (me)
ata0-master: pio=PIO4 wdma=WDMA2 udma=UNSUPPORTED cable=40 wire
acd0: setting PIO4 on ICH7 chip
acpi_acad0: acline initialization start
acpi_acad0: On Line
acpi_acad0: acline initialization done, tried 1 times
battery0: battery initialization start
acd0: <MATSHITADVD-RAM UJ-851S/1.50> DVDR drive at ata0 as master
acd0: read 4134KB/s (4134KB/s) write 4134KB/s (4134KB/s), 2048KB buffer, PIO4

Accessing non-existent cuad0 Causes Lockup

```
acd0: Reads: CDR, CDRW, CDDA stream, DVDROM, DVDR, DVDRAM, packet
acd0: Writes: CDR, CDRW, DVDR, DVDRAM, test write, burnproof
acd0: Audio: play, 256 volume levels
acd0: Mechanism: ejectable tray, unlocked
acd0: Medium: no/blank disc
ata2-master: pio=PIO4 wdma=WDMA2 udma=UDMA100 cable=40 wire
ad4: 152627MB <TOSHIBA MK1637GSX DL032C> at ata2-master SATA150
ad4: 312581808 sectors [310101C/16H/63S] 16 sectors/interrupt 1 depth queue
GEOM: new disk ad4
battery0: battery initialization done, tried 1 times
ad4: Intel check1 failed
ad4: Adaptec check1 failed
ad4: LSI (v3) check1 failed
ad4: LSI (v2) check1 failed
ad4: FreeBSD check1 failed
(probe0:sbp0:0:0:0): error 22
(probe0:sbp0:0:0:0): Unretryable Error
(probe1:sbp0:0:1:0): error 22
(probe1:sbp0:0:1:0): Unretryable Error
(probe2:sbp0:0:2:0): error 22
(probe2:sbp0:0:2:0): Unretryable Error
(probe3:sbp0:0:3:0): error 22
(probe3:sbp0:0:3:0): Unretryable Error
(probe4:sbp0:0:4:0): error 22
(probe4:sbp0:0:4:0): Unretryable Error
(probe5:sbp0:0:5:0): error 22
(probe5:sbp0:0:5:0): Unretryable Error
(probe6:sbp0:0:6:0): error 22
(probe6:sbp0:0:6:0): Unretryable Error
ATA PseudoRAID loaded
SMP: AP CPU #1 Launched!
cpu1 AP:
ID: 0x01000000 VER: 0x00050014 LDR: 0x00000000 DFR: 0xffffffff
lint0: 0x00010700 lint1: 0x00000400 TPR: 0x00000000 SVR: 0x000001ff
timer: 0x000200ef therm: 0x00010200 err: 0x00010000 pcm: 0x00010000
ioapic0: Assigning ISA IRQ 1 to local APIC 0
ioapic0: Assigning ISA IRQ 4 to local APIC 1
ioapic0: Assigning ISA IRQ 9 to local APIC 0
ioapic0: Assigning ISA IRQ 12 to local APIC 1
ioapic0: Assigning ISA IRQ 14 to local APIC 0
ioapic0: Assigning ISA IRQ 15 to local APIC 1
ioapic0: Assigning PCI IRQ 16 to local APIC 0
ioapic0: Assigning PCI IRQ 18 to local APIC 1
ioapic0: Assigning PCI IRQ 19 to local APIC 0
ioapic0: Assigning PCI IRQ 20 to local APIC 1
ioapic0: Assigning PCI IRQ 23 to local APIC 0
WARNING: WITNESS option enabled, expect reduced performance.
Trying to mount root from ufs:/dev/ad4s1a
start_init: trying /sbin/init
Linux ELF exec handler installed
```

Accessing non-existent cuad0 Causes Lockup

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