

aic7xxx problem on sparc64 (2.6)

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2003-11/4446.html>

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Date: Fri, 28 Nov 2003 16:04:15 +0200 (EET)
To: gibbs@scsiguy.com, <linux-kernel@vger.kernel.org>

I inserted my known working 2940 (7880) into a Sun Ultra 5 (32-bit PCI).
modprobe aic7xxx gave some errors and asked to report the bug.
modprobe sd_mod gave a lot more errors and put the disk offline. The
same hardware (host, HBA and disk) works fine with latest 2.4 kernel
(2.4.23-rc5 currently). The problem is with 2.6.0-test11.

PROMLIB: Sun IEEE Boot Prom 3.25.3 2000/06/29 14:12

Linux version 2.6.0-test11 (mroos@mandariin) (gcc version 3.3.2 (Debian)) #38 Thu Nov 27 12:26:42 EET
2003

ARCH: SUN4U

Ethernet address: 08:00:20:f8:c7:72

On node 0 totalpages: 40491

DMA zone: 40491 pages, LIFO batch:8

Normal zone: 0 pages, LIFO batch:1

HighMem zone: 0 pages, LIFO batch:1

Building zonelist for node : 0

Kernel command line: root=/dev/hda1 ro

PID hash table entries: 2048 (order 11: 32768 bytes)

Console: colour dummy device 80x25

Memory: 317760k available (1872k kernel code, 552k data, 144k init) [ffff800000000000,000000001ff46000]

Calibrating delay loop... 719.25 BogoMIPS

Dentry cache hash table entries: 65536 (order: 6, 524288 bytes)

Inode-cache hash table entries: 32768 (order: 5, 262144 bytes)

Mount-cache hash table entries: 512 (order: 0, 8192 bytes)

POSIX conformance testing by UNIFIX

NET: Registered protocol family 16

PCI: Probing for controllers.

PCI: Found SABRE, main regs at 000001fe00000000, wsync at 000001fe00001c20

SABRE: Shared PCI config space at 000001fe01000000

SABRE: DVMA at c0000000 [20000000]

PCI-IRQ: Routing bus[2] slot[1] map[0] to INO[10]

PCI-IRQ: Routing bus[2] slot[2] map[0] to INO[14]

PCI-IRQ: Routing bus[2] slot[3] map[0] to INO[18]

PCI0(PBMA): Bus running at 33MHz

PCI-IRQ: Routing bus[1] slot[1] map[0] to INO[21]

PCI-IRQ: Routing bus[1] slot[2] map[0] to INO[0f]

PCI-IRQ: Routing bus[1] slot[3] map[0] to INO[20]

Linux-Kernel: aic7xxx problem on sparc64 (2.6)

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PCI0(PBMB): Bus running at 33MHz
ebus0: [auxio] [power] [SUNW,pll] [se] [su] [su] [ecpp] [fdthree] [eeprom] [flashprom] [SUNW,CS4231]
power: Control reg at 000001fff1724000 ... powerd running.
atyfb: 3D RAGE PRO (PQFP, PCI) [0x4750 rev 0x7c] 4M SGRAM, 14.31818 MHz XTAL, 230 MHz PLL,
100 Mhz MCLK
fb0: ATY Mach64 frame buffer device on PCI
Initializing Cryptographic API
Console: switching to mono PROM 80x34
Console: switching to colour frame buffer device 128x48
pty: 256 Unix98 ptys configured
rtc_init: no PC rtc found
su0 at 0x000001fff13062f8 (irq = 4,7ea) is a 16550A
su1 at 0x000001fff13083f8 (irq = 9,7e9) is a 16550A
Using anticipatory io scheduler
Floppy drive(s): fd0 is 1.44M
FDC 0 is a National Semiconductor PC87306
sunhme.c:v2.02 24/Aug/2003 David S. Miller (davem@redhat.com)
divert: allocating divert_blk for eth0
eth0: HAPPY MEAL (PCI/CheerIO) 10/100BaseT Ethernet 08:00:20:f8:c7:72
divert: not allocating divert_blk for non-ethernet device lo
Uniform Multi-Platform E-IDE driver Revision: 7.00alpha2
ide: Assuming 33MHz system bus speed for PIO modes; override with idebus=xx
CMD646: IDE controller at PCI slot 0000:01:03.0
CMD646: chipset revision 3
CMD646: chipset revision 0x03, MultiWord DMA Force Limited
CMD646: 100% native mode on irq 4,7e0
  ide0: BM-DMA at 0x1fe02c00020-0x1fe02c00027, BIOS settings: hda:pio, hdb:pio
  ide1: BM-DMA at 0x1fe02c00028-0x1fe02c0002f, BIOS settings: hdc:pio, hdd:pio
hda: ST38410A, ATA DISK drive
ide: Assuming 33MHz system bus speed for PIO modes; override with idebus=xx
ide0 at 0x1fe02c00000-0x1fe02c00007,0x1fe02c0000a on irq 4,7e0
hdc: CRD-8322B, ATAPI CD/DVD-ROM drive
ide1 at 0x1fe02c00010-0x1fe02c00017,0x1fe02c0001a on irq 4,7e0 (shared with ide0)
hda: max request size: 128KiB
hda: 16841664 sectors (8622 MB) w/512KiB Cache, CHS=16708/16/63, (U)DMA
  hda: hda1 hda2 hda3
Console: switching to colour frame buffer device 128x48
mice: PS/2 mouse device common for all mice
input: su/serio1/input on su/serio1
input: Sun Mouse on su/serio0
NET: Registered protocol family 2
IP: routing cache hash table of 4096 buckets, 32Kbytes
TCP: Hash tables configured (established 65536 bind 65536)
NET: Registered protocol family 1
NET: Registered protocol family 17
kjournald starting. Commit interval 5 seconds
EXT3-fs: mounted filesystem with ordered data mode.
VFS: Mounted root (ext3 filesystem) readonly.
Adding 944984k swap on /dev/hda2. Priority:-1 extents:1
EXT3 FS on hda1, internal journal
md: md driver 0.90.0 MAX_MD_DEVS=256, MD_SB_DISKS=27
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