

To [Gerard Roudier <groudier@free.fr>](mailto:groudier@free.fr)
Matthew Wilcox <matthew@wil.cx>

Hi,

I have a massive problem with the sym53c8xx V2 driver. I have tried a actual version of Debian Sarge and now I changed to Gentoo 2005. Both Distributions have an actual 2.6 Kernel and the same problem. I have also searched in the Internet and it seems there are even much more people with similar problems – with different controllers, different chipsets and different drives. So I thought it might be a good idea to inform you about the problem and ask for an solution. I have also informed Gentoo via a bug report. So far no solution was found. A little Patch was not helpfull at all. Similar Bugreports can be found at red-hat and in the kernel bugtracker.

When booting, the System goes into an kind of reset loop for the SCSI-Bus. After a while, in an kind of accident (I was beginning to cook while linux boots) I found my system continuing the boot-process, but I'm not sure if the scsi subsystem now works. My problem is, that /proc/modules is empty and so lsmod does not show any modules loaded. My fstab points to my three scsi cdrom drives and to the swapdisc. Gentoo is not able to access these mountpoints and so displaying errors when trying to interpret the fstab. So I think scsi does not work at all.

Well most hardware support I have compiled into the kernel but showing no modules at all is a bit scary to me. So my actual stand is, that I found out, that the System continues the boot-process after a few minutes but this only work, I think, because the system partition is located on an IDE harddrive and the SCSI Subsystem only provides the CD-ROM's, (fast) Datadrives and the Swap device. and I don't know in which state my system is when it has boot up (which hardware works and which not).

My Computer is now a bit older than 3 years and works with Win9x, Windows 2000 and several Linux Live Distributions, a 2.4 based Morphix (Debian based) and of course something like the SystemRescueCD with an 2.4 Kernel (Gentoo based) without any problems. So don't expect an general Hardware Problem other than perhaps a wrong parity setting (I have never find out which setting is totally correct and which of my drives need parity or which drive don't even provide it) – but no other driver seems to have a problem with my system. As far as I now, today you can disable parity at all. I think all my drives (mainly harddrives) which support parity should have it activated by the jumper setting anyway and also the Controller Bios should be set to support parity. I might check this if necessary, but this would force me to disassemble my computer to have a look on the jumpers...

Sym53c8xx V2 seems to have problems with my /dev/sdb, which is an old IBM 4GB drive with 7000rpm and an 8-Bit Ultra SCSI Drive with an max. transfer rate of 20MB/s which I use as a swap drive for Windows 2000 and also for Linux (If it would work).

I hope you can find the Problem... Perhaps one of the boot parameters might solve the Problem, but I have not find something helpfull in the driver readme. I really want to say, as there are several people are affected, that this problem is urgent. Unfortunately I am not used in kernel and kernel driver programming, so I just able to apply patches and report success or failing.

With best regards

Danny Schneider

DMESG with Original Gentoo Kernel

CI: Transparent bridge - 0000:00:1e.0
ACPI: PCI Interrupt Routing Table [_SB_.PCI0._PRT]
ACPI: PCI Interrupt Routing Table [_SB_.PCI0.PCI1._PRT]
ACPI: PCI Interrupt Routing Table [_SB_.PCI0.PCI2._PRT]
Linux Plug and Play Support v0.97 (c) Adam Belay
pnp: PnP ACPI init
pnp: PnP ACPI: found 14 devices
SCSI subsystem initialized
usbcore: registered new driver usbfs
usbcore: registered new driver hub
PCI: Using ACPI for IRQ routing
** PCI interrupts are no longer routed automatically. If this
** causes a device to stop working, it is probably because the
** driver failed to call pci_enable_device(). As a temporary
** workaround, the "pci=routeirq" argument restores the old
** behavior. If this argument makes the device work again,
** please email the output of "lspci" to bjorn.helgaas@hp.com
** so I can fix the driver.
pnp: 00:03: ioport range 0xe400-0xe47f could not be reserved
pnp: 00:03: ioport range 0xec00-0xec3f has been reserved
Simple Boot Flag at 0x3a set to 0x1
Machine check exception polling timer started.
audit: initializing netlink socket (disabled)
audit(1113592653.812:0): initialized
inotify device minor=63
Initializing Cryptographic API
lp: driver loaded but no devices found
Real Time Clock Driver v1.12
hw_random hardware driver 1.0.0 loaded
Linux agpgart interface v0.100 (c) Dave Jones
agpgart: Detected an Intel i815 Chipset.
agpgart: Maximum main memory to use for agp memory: 439M
agpgart: AGP aperture is 64M @ 0xf8000000
[drm] Initialized drm 1.0.0 20040925
ACPI: Power Button (FF) [PWRB]
serio: i8042 AUX port at 0x60,0x64 irq 12
serio: i8042 KBD port at 0x60,0x64 irq 1
Serial: 8250/16550 driver \$Revision: 1.90 \$ 8 ports, IRQ sharing disabled
ttyS0 at I/O 0x3f8 (irq = 4) is a 16550A
ttyS1 at I/O 0x2f8 (irq = 3) is a 16550A
ttyS0 at I/O 0x3f8 (irq = 4) is a 16550A
ttyS1 at I/O 0x2f8 (irq = 3) is a 16550A
mice: PS/2 mouse device common for all mice
input: AT Translated Set 2 keyboard on isa0060/serio0
input: ImExPS/2 Logitech Explorer Mouse on isa0060/serio1
input: PC Speaker
parport: PnPBIOS parport detected.
parport0: PC-style at 0x378 (0x778), irq 7 [PCSP,TRISTATE]
parport0: Printer, Brother HL-5130 series
lp0: using parport0 (interrupt-driven).

io scheduler noop registered
io scheduler anticipatory registered
io scheduler deadline registered
io scheduler cfq registered
Floppy drive(s): fd0 is 1.44M
FDC 0 is a post-1991 82077
PCI: Enabling device 0000:02:0a.0 (0014 -> 0017)
ACPI: PCI Interrupt Link [LNKG] enabled at IRQ 11
PCI: setting IRQ 11 as level-triggered
ACPI: PCI interrupt 0000:02:0a.0[A] -> GSI 11 (level, low) -> IRQ 11
3c59x: Donald Becker and others. www.scyld.com/network/vortex.html
0000:02:0a.0: 3Com PCI 3c905C Tornado at 0xd800. Vers LK1.1.19
PPP generic driver version 2.4.2
Uniform Multi-Platform E-IDE driver Revision: 7.00alpha2
ide: Assuming 33MHz system bus speed for PIO modes; override with idebus=xx
ICH2: IDE controller at PCI slot 0000:00:1f.1
ICH2: chipset revision 1
ICH2: not 100% native mode: will probe irqs later
 ide0: BM-DMA at 0xa800-0xa807, BIOS settings: hda:DMA, hdb:pio
 ide1: BM-DMA at 0xa808-0xa80f, BIOS settings: hdc:DMA, hdd:pio
Probing IDE interface ide0...
hda: IBM-DTLA-305030, ATA DISK drive
ide0 at 0x1f0-0x1f7,0x3f6 on irq 14
Probing IDE interface ide1...
hdc: Maxtor 7Y250P0, ATA DISK drive
ide1 at 0x170-0x177,0x376 on irq 15
Probing IDE interface ide2...
Probing IDE interface ide3...
Probing IDE interface ide4...
Probing IDE interface ide5...
hda: max request size: 128KiB
hda: 60036480 sectors (30738 MB) w/380KiB Cache, CHS=59560/16/63, UDMA(100)
hda: cache flushes not supported
 hda: hda1 hda2 hda3 hda4
hdc: max request size: 1024KiB
hdc: 490234752 sectors (251000 MB) w/7936KiB Cache, CHS=30515/255/63, UDMA(100)
hdc: cache flushes supported
 hdc: hdc1 < hdc5 hdc6 hdc7 >
ACPI: PCI Interrupt Link [LNKE] enabled at IRQ 9
PCI: setting IRQ 9 as level-triggered
ACPI: PCI interrupt 0000:02:0c.0[A] -> GSI 9 (level, low) -> IRQ 9
sym0: <895> rev 0x1 at pci 0000:02:0c.0 irq 9
sym0: Symbios NVRAM, ID 7, Fast-40, LVD, parity checking
sym0: open drain IRQ line driver, using on-chip SRAM
sym0: using LOAD/STORE-based firmware.
sym0: SCAN AT BOOT disabled for targets 9 10 11 12 13 14 15.
sym0: SCSI BUS has been reset.
scsi0 : sym-2.1.18n
 Vendor: IBM Model: DNES-318350 Rev: SAH0
 Type: Direct-Access ANSI SCSI revision: 03
sym0:0:0: tagged command queuing enabled, command queue depth 16.
target0:0:0: Beginning Domain Validation
target0:0:0: Domain Validation skipping write tests

sym0:0: FAST-20 SCSI 20.0 MB/s ST (50.0 ns, offset 31)
 target0:0:0: Ending Domain Validation
 Vendor: IBM Model: DDRS-34560 Rev: S97B
 Type: Direct-Access ANSI SCSI revision: 02
 sym0:1:0: tagged command queuing enabled, command queue depth 16.
 target0:0:1: Beginning Domain Validation
 target0:0:1: Domain Validation skipping write tests
 sym0:1: FAST-20 SCSI 20.0 MB/s ST (50.0 ns, offset 15)
 target0:0:1: Ending Domain Validation
 Vendor: PLEXTOR Model: CD-R PX-R412C Rev: 1.07
 Type: CD-ROM ANSI SCSI revision: 02
 target0:0:2: Beginning Domain Validation
 target0:0:2: Domain Validation skipping write tests
 sym0:2: FAST-10 SCSI 10.0 MB/s ST (100.0 ns, offset 8)
 target0:0:2: Ending Domain Validation
 Vendor: TOSHIBA Model: DVD-ROM SD-M1401 Rev: 1008
 Type: CD-ROM ANSI SCSI revision: 02
 target0:0:3: Beginning Domain Validation
 target0:0:3: Domain Validation skipping write tests
 sym0:3: FAST-20 SCSI 20.0 MB/s ST (50.0 ns, offset 16)
 target0:0:3: Ending Domain Validation
 Vendor: PLEXTOR Model: CD-ROM PX-32TS Rev: 1.03
 Type: CD-ROM ANSI SCSI revision: 02
 target0:0:4: Beginning Domain Validation
 target0:0:4: Domain Validation skipping write tests
 sym0:4: FAST-20 SCSI 20.0 MB/s ST (50.0 ns, offset 15)
 target0:0:4: Ending Domain Validation
 Vendor: IOMEGA Model: ZIP 100 Rev: J.03
 Type: Direct-Access ANSI SCSI revision: 02
 target0:0:5: Beginning Domain Validation
 target0:0:5: Ending Domain Validation
 Vendor: IBM Model: DDYS-T36950N Rev: S96H
 Type: Direct-Access ANSI SCSI revision: 03
 sym0:8:0: tagged command queuing enabled, command queue depth 16.
 target0:0:8: Beginning Domain Validation
 sym0:8: wide asynchronous.
 sym0:8: FAST-40 WIDE SCSI 80.0 MB/s ST (25.0 ns, offset 31)
 target0:0:8: Ending Domain Validation
 SCSI device sda: 35843670 512-byte hdwr sectors (18352 MB)
 SCSI device sda: drive cache: write back
 SCSI device sda: 35843670 512-byte hdwr sectors (18352 MB)
 SCSI device sda: drive cache: write back
 sda: sda1 sda2
 Attached scsi disk sda at scsi0, channel 0, id 0, lun 0
 SCSI device sdb: 8925000 512-byte hdwr sectors (4570 MB)
 SCSI device sdb: drive cache: write back
 SCSI device sdb: 8925000 512-byte hdwr sectors (4570 MB)
 SCSI device sdb: drive cache: write back
 sdb:<4>sym0:1:0: ABORT operation started.
 sym0:1:0: ABORT operation timed-out.
 sym0:1:0: DEVICE RESET operation started.
 sym0:1:0: DEVICE RESET operation timed-out.
 sym0:1:0: BUS RESET operation started.

sym0: SCSI BUS reset detected.
sym0: SCSI BUS has been reset.
sym0:1:0: BUS RESET operation complete.
sym0:1:0: ABORT operation started.
sym0:1:0: ABORT operation timed-out.
sym0:1:0: DEVICE RESET operation started.
sym0:1:0: DEVICE RESET operation timed-out.
sym0:1:0: BUS RESET operation started.
sym0: SCSI BUS reset detected.
sym0: SCSI BUS has been reset.
sym0:1:0: BUS RESET operation complete.
sym0:1:0: ABORT operation started.
sym0:1:0: ABORT operation timed-out.
sym0:1:0: DEVICE RESET operation started.
sym0:1:0: DEVICE RESET operation timed-out.
sym0:1:0: BUS RESET operation started.
sym0: SCSI BUS reset detected.
sym0: SCSI BUS has been reset.
sym0:1:0: BUS RESET operation complete.
sym0:1:0: ABORT operation started.
sym0:1:0: ABORT operation timed-out.
sym0:1:0: DEVICE RESET operation started.
sym0:1:0: DEVICE RESET operation timed-out.
sym0:1:0: BUS RESET operation started.
sym0: SCSI BUS reset detected.
sym0: SCSI BUS has been reset.
sym0:1:0: BUS RESET operation complete.
sym0:1:0: ABORT operation started.
sym0:1:0: ABORT operation timed-out.
sym0:1:0: DEVICE RESET operation started.
sym0:1:0: DEVICE RESET operation timed-out.
sym0:1:0: BUS RESET operation started.
sym0: SCSI BUS reset detected.
sym0: SCSI BUS has been reset.
sym0:1:0: BUS RESET operation complete.
SCSI error : <0 0 1 0> return code = 0x6000000
end_request: I/O error, dev sdb, sector 0
Buffer I/O error on device sdb, logical block 0
unable to read partition table
Attached scsi disk sdb at scsi0, channel 0, id 1, lun 0
sym0:5:0:phase change 6-7 9@1fc5af90 resid=7.
sym0:5:0:phase change 6-7 9@1fc5af84 resid=7.
sym0:5:0:phase change 6-7 9@1fc5af90 resid=7.
sym0:5:0:phase change 6-7 9@1fc5af84 resid=7.
sym0:5:0:phase change 6-7 9@1fc5af90 resid=7.
sym0:5:0:phase change 6-7 9@1fc5af84 resid=7.
sym0:5:0:phase change 6-7 9@1fc5af90 resid=7.
Attached scsi removable disk sdc at scsi0, channel 0, id 5, lun 0
SCSI device sdd: 71687340 512-byte hdwr sectors (36704 MB)
SCSI device sdd: drive cache: write back
SCSI device sdd: 71687340 512-byte hdwr sectors (36704 MB)
SCSI device sdd: drive cache: write back
sdd: sdd1 < sdd5 >

Attached scsi disk sdd at scsi0, channel 0, id 8, lun 0
sr0: scsi3-mmc drive: 12x/12x writer cd/rw xa/form2 cdda caddy
Uniform CD-ROM driver Revision: 3.20
Attached scsi CD-ROM sr0 at scsi0, channel 0, id 2, lun 0
sr1: scsi3-mmc drive: 40x/40x cd/rw xa/form2 cdda tray
Attached scsi CD-ROM sr1 at scsi0, channel 0, id 3, lun 0
sr2: scsi-1 drive
Attached scsi CD-ROM sr2 at scsi0, channel 0, id 4, lun 0
Attached scsi generic sg0 at scsi0, channel 0, id 0, lun 0, type 0
Attached scsi generic sg1 at scsi0, channel 0, id 1, lun 0, type 0
Attached scsi generic sg2 at scsi0, channel 0, id 2, lun 0, type 5
Attached scsi generic sg3 at scsi0, channel 0, id 3, lun 0, type 5
Attached scsi generic sg4 at scsi0, channel 0, id 4, lun 0, type 5
Attached scsi generic sg5 at scsi0, channel 0, id 5, lun 0, type 0
Attached scsi generic sg6 at scsi0, channel 0, id 8, lun 0, type 0
PCI: Enabling device 0000:02:0b.2 (0014 -> 0016)
ACPI: PCI Interrupt Link [LNKF] enabled at IRQ 11
ACPI: PCI interrupt 0000:02:0b.2[C] -> GSI 11 (level, low) -> IRQ 11
ehci_hcd 0000:02:0b.2: NEC Corporation USB 2.0
ehci_hcd 0000:02:0b.2: irq 11, pci mem 0xec000000
ehci_hcd 0000:02:0b.2: new USB bus registered, assigned bus number 1
ehci_hcd 0000:02:0b.2: park 0
ehci_hcd 0000:02:0b.2: USB 2.0 initialized, EHCI 1.00, driver 10 Dec 2004
hub 1-0:1.0: USB hub found
hub 1-0:1.0: 5 ports detected
ohci_hcd: 2004 Nov 08 USB 1.1 'Open' Host Controller (OHCI) Driver (PCI)
PCI: Enabling device 0000:02:0b.0 (0014 -> 0016)
ACPI: PCI Interrupt Link [LNKH] enabled at IRQ 9
ACPI: PCI interrupt 0000:02:0b.0[A] -> GSI 9 (level, low) -> IRQ 9
ohci_hcd 0000:02:0b.0: NEC Corporation USB
ohci_hcd 0000:02:0b.0: irq 9, pci mem 0xed000000
ohci_hcd 0000:02:0b.0: new USB bus registered, assigned bus number 2
hub 2-0:1.0: USB hub found
hub 2-0:1.0: 3 ports detected
PCI: Enabling device 0000:02:0b.1 (0014 -> 0016)
ACPI: PCI interrupt 0000:02:0b.1[B] -> GSI 9 (level, low) -> IRQ 9
ohci_hcd 0000:02:0b.1: NEC Corporation USB (#2)
ohci_hcd 0000:02:0b.1: irq 9, pci mem 0xec800000
ohci_hcd 0000:02:0b.1: new USB bus registered, assigned bus number 3
hub 3-0:1.0: USB hub found
hub 3-0:1.0: 2 ports detected
usb 1-3: new high speed USB device using ehci_hcd and address 2
USB Universal Host Controller Interface driver v2.2
ACPI: PCI Interrupt Link [LNKD] enabled at IRQ 9
ACPI: PCI interrupt 0000:00:1f.2[D] -> GSI 9 (level, low) -> IRQ 9
uhci_hcd 0000:00:1f.2: Intel Corp. 82801BA/BAM USB (Hub #1)
PCI: Setting latency timer of device 0000:00:1f.2 to 64
uhci_hcd 0000:00:1f.2: irq 9, io base 0xa400
uhci_hcd 0000:00:1f.2: new USB bus registered, assigned bus number 4
hub 4-0:1.0: USB hub found
hub 4-0:1.0: 2 ports detected
ACPI: PCI interrupt 0000:00:1f.4[C] -> GSI 9 (level, low) -> IRQ 9
uhci_hcd 0000:00:1f.4: Intel Corp. 82801BA/BAM USB (Hub #2)

PCI: Setting latency timer of device 0000:00:1f.4 to 64
uhci_hcd 0000:00:1f.4: irq 9, io base 0xa000
uhci_hcd 0000:00:1f.4: new USB bus registered, assigned bus number 5
hub 5-0:1.0: USB hub found
hub 5-0:1.0: 2 ports detected
usb 4-1: new full speed USB device using uhci_hcd and address 2
usbcore: registered new driver usb_lp
drivers/usb/class/usb_lp.c: v0.13: USB Printer Device Class driver
Initializing USB Mass Storage driver...
usb 5-2: new full speed USB device using uhci_hcd and address 2
hub 5-2:1.0: USB hub found
hub 5-2:1.0: 4 ports detected
usbcore: registered new driver usb-storage
USB Mass Storage support registered.
usbcore: registered new driver usbhid
drivers/usb/input/hid-core.c: v2.0:USB HID core driver
PCI: Enabling device 0000:02:0e.1 (0004 -> 0005)
gameport: pci0000:02:0e.1 speed 1147 kHz
Advanced Linux Sound Architecture Driver Version 1.0.8 (Thu Jan 13 09:39:32 2005 UTC).
PCI: Enabling device 0000:02:0e.0 (0004 -> 0005)
ACPI: PCI Interrupt Link [LNKC] enabled at IRQ 11
ACPI: PCI interrupt 0000:02:0e.0[A] -> GSI 11 (level, low) -> IRQ 11
ALSA device list:
#0: Sound Blaster Live! (rev.8, serial:0x80401102) at 0xd000, irq 11
NET: Registered protocol family 2
IP: routing cache hash table of 4096 buckets, 32Kbytes
TCP established hash table entries: 32768 (order: 6, 262144 bytes)
TCP bind hash table entries: 32768 (order: 5, 131072 bytes)
TCP: Hash tables configured (established 32768 bind 32768)
ip_conntrack version 2.1 (4095 buckets, 32760 max) - 212 bytes per conntrack
ip_tables: (C) 2000-2002 Netfilter core team
ipt_recent v0.3.1: Stephen Frost <sfrost@snowman.net>. http://snowman.net/projects/ipt_recent/
arp_tables: (C) 2002 David S. Miller
NET: Registered protocol family 1
NET: Registered protocol family 17
ACPI wakeup devices:
PCI0 PCI1 PCI2 UAR1 UAR2 USB0 USB1 AC97
ACPI: (supports S0 S1 S3 S4 S5)
ReiserFS: hda4: found reiserfs format "3.6" with standard journal
ReiserFS: hda4: using ordered data mode
ReiserFS: hda4: journal params: device hda4, size 8192, journal first block 18, max trans len 1024, max batch 900, max commit age 30, max trans age 30
ReiserFS: hda4: checking transaction log (hda4)
ReiserFS: hda4: Using r5 hash to sort names
VFS: Mounted root (reiserfs filesystem) readonly.
Freeing unused kernel memory: 164k freed
usb 1-4: new high speed USB device using ehci_hcd and address 3
scsi1 : SCSI emulation for USB Mass Storage devices
usb-storage: device found at 3
usb-storage: waiting for device to settle before scanning
Vendor: Model: USB DISK Pro Rev: PMAP
Type: Direct-Access ANSI SCSI revision: 00
SCSI device sde: 1004544 512-byte hdwr sectors (514 MB)

sde: assuming Write Enabled
sde: assuming drive cache: write through
SCSI device sde: 1004544 512-byte hdwr sectors (514 MB)
sde: assuming Write Enabled
sde: assuming drive cache: write through
sde: sde1
Attached scsi removable disk sde at scsi1, channel 0, id 0, lun 0
Attached scsi generic sg7 at scsi1, channel 0, id 0, lun 0, type 0
usb-storage: device scan complete
VFS: Can't find ext3 filesystem on dev sde.
FAT: invalid media value (0x00)
VFS: Can't find a valid FAT filesystem on dev sde.
FAT: invalid media value (0x00)
VFS: Can't find a valid FAT filesystem on dev sde.

Processor

processor : 0
vendor_id : GenuineIntel
cpu family : 6
model : 8
model name : Pentium III (Coppermine)
stepping : 10
cpu MHz : 1005.177
cache size : 256 KB
fdiv_bug : no
hlt_bug : no
f00f_bug : no
coma_bug : no
fpu : yes
fpu_exception : yes
cpuid level : 2
wp : yes
flags : fpu vme de pse tsc msr pae mce cx8 sep mtrr pge mca cmov pat pse36 mmx fxsr sse
bogomips : 1990.65

PCI-Bus

PCI devices found:

Bus 0, device 0, function 0:

Host bridge: Intel Corp. 82815 815 Chipset Host Bridge and Memory Controller Hub (rev 2).

Prefetchable 32 bit memory at 0xf8000000 [0xfbffffff].

Bus 0, device 1, function 0:

PCI bridge: Intel Corp. 82815 815 Chipset AGP Bridge (rev 2).

Master Capable. No bursts. Min Gnt=8.

Bus 0, device 30, function 0:

PCI bridge: Intel Corp. 82801 PCI Bridge (rev 1).

Master Capable. No bursts. Min Gnt=6.

Bus 0, device 31, function 0:

ISA bridge: Intel Corp. 82801BA ISA Bridge (LPC) (rev 1).

Bus 0, device 31, function 1:

IDE interface: Intel Corp. 82801BA IDE U100 (rev 1).

I/O at 0xa800 [0xa80f].

Bus 0, device 31, function 2:

USB Controller: Intel Corp. 82801BA/BAM USB (Hub #1) (rev 1).

IRQ 9.

I/O at 0xa400 [0xa41f].

Bus 0, device 31, function 3:

SMBus: Intel Corp. 82801BA/BAM SMBus (rev 1).

IRQ 10.

I/O at 0xe800 [0xe80f].

Bus 0, device 31, function 4:

USB Controller: Intel Corp. 82801BA/BAM USB (Hub #2) (rev 1).

IRQ 9.

I/O at 0xa000 [0xa01f].

Bus 1, device 0, function 0:

VGA compatible controller: nVidia Corporation NV15 [GeForce2 GTS/Pro] (rev 163).

IRQ 11.

Master Capable. Latency=64. Min Gnt=5. Max Lat=1.

Non-prefetchable 32 bit memory at 0xee000000 [0xeeffffff].

Prefetchable 32 bit memory at 0xf0000000 [0xf7ffffff].

Bus 2, device 10, function 0:

Ethernet controller: 3Com Corporation 3c905C-TX/TX-M [Tornado] (rev 116).

IRQ 11.

Master Capable. Latency=32. Min Gnt=10. Max Lat=10.

I/O at 0xd800 [0xd87f].

Non-prefetchable 32 bit memory at 0xed800000 [0xed80007f].

Bus 2, device 11, function 0:

USB Controller: NEC Corporation USB (rev 67).

IRQ 9.

Master Capable. Latency=32. Min Gnt=1. Max Lat=42.

Non-prefetchable 32 bit memory at 0xed000000 [0xed000fff].

Bus 2, device 11, function 1:

USB Controller: NEC Corporation USB (#2) (rev 67).

IRQ 9.

Master Capable. Latency=32. Min Gnt=1. Max Lat=42.

Non-prefetchable 32 bit memory at 0xec800000 [0xec800fff].

Bus 2, device 11, function 2:

USB Controller: NEC Corporation USB 2.0 (rev 4).

IRQ 11.

Master Capable. Latency=32. Min Gnt=16.Max Lat=34.

Non-prefetchable 32 bit memory at 0xec000000 [0xec0000ff].

Bus 2, device 12, function 0:

SCSI storage controller: LSI Logic / Symbios Logic 53c895 (rev 1).

IRQ 9.

Master Capable. Latency=72. Min Gnt=30.Max Lat=64.

I/O at 0xd400 [0xd4ff].

Non-prefetchable 32 bit memory at 0xeb800000 [0xeb8000ff].

Non-prefetchable 32 bit memory at 0xeb000000 [0xeb000fff].

Bus 2, device 14, function 0:

Multimedia audio controller: Creative Labs SB Live! EMU10k1 (rev 8).

IRQ 11.

Master Capable. Latency=32. Min Gnt=2.Max Lat=20.

I/O at 0xd000 [0xd01f].

Bus 2, device 14, function 1:

Input device controller: Creative Labs SB Live! MIDI/Game Port (rev 8).

Master Capable. Latency=32.

I/O at 0xb800 [0xb807].

SCSI-Bus

Attached devices:

Host: scsi0 Channel: 00 Id: 00 Lun: 00

Vendor: IBM Model: DNES-318350 Rev: SAH0

Type: Direct-Access ANSI SCSI revision: 03

Host: scsi0 Channel: 00 Id: 01 Lun: 00

Vendor: IBM Model: DDRS-34560 Rev: S97B

Type: Direct-Access ANSI SCSI revision: 02

Host: scsi0 Channel: 00 Id: 02 Lun: 00

Vendor: PLEXTOR Model: CD-R PX-R412C Rev: 1.07

Type: CD-ROM ANSI SCSI revision: 02

Host: scsi0 Channel: 00 Id: 03 Lun: 00

Vendor: TOSHIBA Model: DVD-ROM SD-M1401 Rev: 1008

Type: CD-ROM ANSI SCSI revision: 02

Host: scsi0 Channel: 00 Id: 04 Lun: 00

Vendor: PLEXTOR Model: CD-ROM PX-32TS Rev: 1.03

Type: CD-ROM ANSI SCSI revision: 02

Host: scsi0 Channel: 00 Id: 05 Lun: 00

Vendor: IOMEGA Model: ZIP 100 Rev: J.03

Type: Direct-Access ANSI SCSI revision: 02

Host: scsi0 Channel: 00 Id: 08 Lun: 00

Vendor: IBM Model: DDYS-T36950N Rev: S96H

Type: Direct-Access ANSI SCSI revision: 03

Host: scsi1 Channel: 00 Id: 00 Lun: 00

Vendor: Model: USB DISK Pro Rev: PMAP

Type: Direct-Access ANSI SCSI revision: 02

DMESG with Patched Kernel

Patch:

```
--- drivers/scsi/scsi_scan.c.old      2005-04-19 17:35:17.768100280 +0100
+++ drivers/scsi/scsi_scan.c 2005-04-19 17:39:27.196181448 +0100
@@@ -1082,7 +1082,7 @@@
                " REPORT LUNS to %s (try %d)\n", devname,
                retries));
        scsi_wait_req(sreq, scsi_cmd, lun_data, length,
-       SCSI_TIMEOUT + 4*HZ, 3);
+       SCSI_TIMEOUT + 14*HZ, 3);
        SCSI_LOG_SCAN_BUS(3, printk (KERN_INFO "scsi scan: REPORT LUNS"
        " %s (try %d) result 0x%x\n", sreq->sr_result
        ? "failed" : "successful", retries,
```

DMESG-Output:

```
CPI: PCI Interrupt Link [LNKE] (IRQs 3 4 5 6 7 *9 10 11 12 14 15)
ACPI: PCI Interrupt Link [LNKF] (IRQs 3 4 5 6 7 9 10 11 12 14 15) *0, disabled.
ACPI: PCI Interrupt Link [LNKG] (IRQs 3 4 5 6 7 9 10 11 12 14 15) *0, disabled.
ACPI: PCI Interrupt Link [LNKH] (IRQs 3 4 5 6 7 *9 10 11 12 14 15)
ACPI: PCI Root Bridge [PCI0] (00:00)
PCI: Probing PCI hardware (bus 00)
PCI: Transparent bridge - 0000:00:1e.0
ACPI: PCI Interrupt Routing Table [_SB_.PCI0._PRT]
ACPI: PCI Interrupt Routing Table [_SB_.PCI0.PCI1._PRT]
ACPI: PCI Interrupt Routing Table [_SB_.PCI0.PCI2._PRT]
Linux Plug and Play Support v0.97 (c) Adam Belay
pnp: PnP ACPI init
pnp: PnP ACPI: found 14 devices
SCSI subsystem initialized
usbcore: registered new driver usbfs
usbcore: registered new driver hub
PCI: Using ACPI for IRQ routing
** PCI interrupts are no longer routed automatically. If this
** causes a device to stop working, it is probably because the
** driver failed to call pci_enable_device(). As a temporary
** workaround, the "pci=routeirq" argument restores the old
** behavior. If this argument makes the device work again,
** please email the output of "lspci" to bjorn.helgaas@hp.com
** so I can fix the driver.
pnp: 00:03: ioport range 0xe400-0xe47f could not be reserved
pnp: 00:03: ioport range 0xec00-0xec3f has been reserved
Simple Boot Flag at 0x3a set to 0x1
Machine check exception polling timer started.
audit: initializing netlink socket (disabled)
audit(1115668796.151:0): initialized
inotify device minor=63
Initializing Cryptographic API
lp: driver loaded but no devices found
Real Time Clock Driver v1.12
hw_random hardware driver 1.0.0 loaded
```

Linux agpgart interface v0.100 (c) Dave Jones
agpgart: Detected an Intel i815 Chipset.
agpgart: Maximum main memory to use for agp memory: 439M
agpgart: AGP aperture is 64M @ 0xf8000000
[drm] Initialized drm 1.0.0 20040925
ACPI: Power Button (FF) [PWRF]
serio: i8042 AUX port at 0x60,0x64 irq 12
serio: i8042 KBD port at 0x60,0x64 irq 1
Serial: 8250/16550 driver \$Revision: 1.90 \$ 8 ports, IRQ sharing disabled
ttyS0 at I/O 0x3f8 (irq = 4) is a 16550A
ttyS1 at I/O 0x2f8 (irq = 3) is a 16550A
ttyS0 at I/O 0x3f8 (irq = 4) is a 16550A
ttyS1 at I/O 0x2f8 (irq = 3) is a 16550A
mice: PS/2 mouse device common for all mice
input: AT Translated Set 2 keyboard on isa0060/serio0
input: ImExPS/2 Logitech Explorer Mouse on isa0060/serio1
input: PC Speaker
parport: PnPBIOS parport detected.
parport0: PC-style at 0x378 (0x778), irq 7 [PCSPP,TRISTATE]
parport0: Printer, Brother HL-5130 series
lp0: using parport0 (interrupt-driven).
io scheduler noop registered
io scheduler anticipatory registered
io scheduler deadline registered
io scheduler cfq registered
Floppy drive(s): fd0 is 1.44M
FDC 0 is a post-1991 82077
PCI: Enabling device 0000:02:0a.0 (0014 -> 0017)
ACPI: PCI Interrupt Link [LNKG] enabled at IRQ 11
PCI: setting IRQ 11 as level-triggered
ACPI: PCI interrupt 0000:02:0a.0[A] -> GSI 11 (level, low) -> IRQ 11
3c59x: Donald Becker and others. www.scyld.com/network/vortex.html
0000:02:0a.0: 3Com PCI 3c905C Tornado at 0xd800. Vers LK1.1.19
PPP generic driver version 2.4.2
Uniform Multi-Platform E-IDE driver Revision: 7.00alpha2
ide: Assuming 33MHz system bus speed for PIO modes; override with idebus=xx
ICH2: IDE controller at PCI slot 0000:00:1f.1
ICH2: chipset revision 1
ICH2: not 100% native mode: will probe irqs later
 ide0: BM-DMA at 0xa800-0xa807, BIOS settings: hda:DMA, hdb:pio
 ide1: BM-DMA at 0xa808-0xa80f, BIOS settings: hdc:DMA, hdd:pio
Probing IDE interface ide0...
hda: IBM-DTLA-305030, ATA DISK drive
ide0 at 0x1f0-0x1f7,0x3f6 on irq 14
Probing IDE interface ide1...
hdc: Maxtor 7Y250P0, ATA DISK drive
ide1 at 0x170-0x177,0x376 on irq 15
Probing IDE interface ide2...
Probing IDE interface ide3...
Probing IDE interface ide4...
Probing IDE interface ide5...
hda: max request size: 128KiB
hda: 60036480 sectors (30738 MB) w/380KiB Cache, CHS=59560/16/63, UDMA(100)

hda: cache flushes not supported
hda: hda1 hda2 hda3 hda4
hdc: max request size: 1024KiB
hdc: 490234752 sectors (251000 MB) w/7936KiB Cache, CHS=30515/255/63, UDMA(100)
hdc: cache flushes supported
hdc: hdc1 < hdc5 hdc6 hdc7 >
ACPI: PCI Interrupt Link [LNKE] enabled at IRQ 9
PCI: setting IRQ 9 as level-triggered
ACPI: PCI interrupt 0000:02:0c.0[A] -> GSI 9 (level, low) -> IRQ 9
sym0: <895> rev 0x1 at pci 0000:02:0c.0 irq 9
sym0: Symbios NVRAM, ID 7, Fast-40, LVD, parity checking
sym0: open drain IRQ line driver, using on-chip SRAM
sym0: using LOAD/STORE-based firmware.
sym0: SCAN AT BOOT disabled for targets 9 10 11 12 13 14 15.
sym0: SCSI BUS has been reset.
scsi0 : sym-2.1.18n
Vendor: IBM Model: DNES-318350 Rev: SAH0
Type: Direct-Access ANSI SCSI revision: 03
sym0:0:0: tagged command queuing enabled, command queue depth 16.
target0:0:0: Beginning Domain Validation
target0:0:0: Domain Validation skipping write tests
sym0:0: FAST-20 SCSI 20.0 MB/s ST (50.0 ns, offset 31)
target0:0:0: Ending Domain Validation
Vendor: IBM Model: DDRS-34560 Rev: S97B
Type: Direct-Access ANSI SCSI revision: 02
sym0:1:0: tagged command queuing enabled, command queue depth 16.
target0:0:1: Beginning Domain Validation
target0:0:1: Domain Validation skipping write tests
sym0:1: FAST-20 SCSI 20.0 MB/s ST (50.0 ns, offset 15)
target0:0:1: Ending Domain Validation
Vendor: PLEXTOR Model: CD-R PX-R412C Rev: 1.07
Type: CD-ROM ANSI SCSI revision: 02
target0:0:2: Beginning Domain Validation
target0:0:2: Domain Validation skipping write tests
sym0:2: FAST-10 SCSI 10.0 MB/s ST (100.0 ns, offset 8)
target0:0:2: Ending Domain Validation
Vendor: TOSHIBA Model: DVD-ROM SD-M1401 Rev: 1008
Type: CD-ROM ANSI SCSI revision: 02
target0:0:3: Beginning Domain Validation
target0:0:3: Domain Validation skipping write tests
sym0:3: FAST-20 SCSI 20.0 MB/s ST (50.0 ns, offset 16)
target0:0:3: Ending Domain Validation
Vendor: PLEXTOR Model: CD-ROM PX-32TS Rev: 1.03
Type: CD-ROM ANSI SCSI revision: 02
target0:0:4: Beginning Domain Validation
target0:0:4: Domain Validation skipping write tests
sym0:4: FAST-20 SCSI 20.0 MB/s ST (50.0 ns, offset 15)
target0:0:4: Ending Domain Validation
Vendor: IOMEGA Model: ZIP 100 Rev: J.03
Type: Direct-Access ANSI SCSI revision: 02
target0:0:5: Beginning Domain Validation
target0:0:5: Ending Domain Validation
Vendor: IBM Model: DDYS-T36950N Rev: S96H

Type: Direct-Access ANSI SCSI revision: 03
sym0:8:0: tagged command queuing enabled, command queue depth 16.
target0:0:8: Beginning Domain Validation
sym0:8: wide asynchronous.
sym0:8: FAST-40 WIDE SCSI 80.0 MB/s ST (25.0 ns, offset 31)
target0:0:8: Ending Domain Validation
SCSI device sda: 35843670 512-byte hdwr sectors (18352 MB)
SCSI device sda: drive cache: write back
SCSI device sda: 35843670 512-byte hdwr sectors (18352 MB)
SCSI device sda: drive cache: write back
sda: sda1 sda2
Attached scsi disk sda at scsi0, channel 0, id 0, lun 0
SCSI device sdb: 8925000 512-byte hdwr sectors (4570 MB)
SCSI device sdb: drive cache: write back
SCSI device sdb: 8925000 512-byte hdwr sectors (4570 MB)
SCSI device sdb: drive cache: write back
sdb:<4>sym0:1:0: ABORT operation started.
sym0:1:0: ABORT operation timed-out.
sym0:1:0: DEVICE RESET operation started.
sym0:1:0: DEVICE RESET operation timed-out.
sym0:1:0: BUS RESET operation started.
sym0: SCSI BUS reset detected.
sym0: SCSI BUS has been reset.
sym0:1:0: BUS RESET operation complete.
sym0:1:0: ABORT operation started.
sym0:1:0: ABORT operation timed-out.
sym0:1:0: DEVICE RESET operation started.
sym0:1:0: DEVICE RESET operation timed-out.
sym0:1:0: BUS RESET operation started.
sym0: SCSI BUS reset detected.
sym0: SCSI BUS has been reset.
sym0:1:0: BUS RESET operation complete.
sym0:1:0: ABORT operation started.
sym0:1:0: ABORT operation timed-out.
sym0:1:0: DEVICE RESET operation started.
sym0:1:0: DEVICE RESET operation timed-out.
sym0:1:0: BUS RESET operation started.
sym0: SCSI BUS reset detected.
sym0: SCSI BUS has been reset.
sym0:1:0: BUS RESET operation complete.
sym0:1:0: ABORT operation started.
sym0:1:0: ABORT operation timed-out.
sym0:1:0: DEVICE RESET operation started.
sym0:1:0: DEVICE RESET operation timed-out.
sym0:1:0: BUS RESET operation started.
sym0: SCSI BUS reset detected.
sym0: SCSI BUS has been reset.
sym0:1:0: BUS RESET operation complete.
sym0:1:0: ABORT operation started.
sym0:1:0: ABORT operation timed-out.
sym0:1:0: DEVICE RESET operation started.
sym0:1:0: DEVICE RESET operation timed-out.
sym0:1:0: BUS RESET operation started.

sym0: SCSI BUS reset detected.
sym0: SCSI BUS has been reset.
sym0:1:0: BUS RESET operation complete.
SCSI error : <0 0 1 0> return code = 0x6000000
end_request: I/O error, dev sdb, sector 0
Buffer I/O error on device sdb, logical block 0
sym0:1:0: ABORT operation started.
sym0:1:0: ABORT operation timed-out.
sym0:1:0: DEVICE RESET operation started.
sym0:1:0: DEVICE RESET operation timed-out.
sym0:1:0: BUS RESET operation started.
sym0: SCSI BUS reset detected.
sym0: SCSI BUS has been reset.
sym0:1:0: BUS RESET operation complete.
sym0:1:0: ABORT operation started.
sym0:1:0: ABORT operation timed-out.
sym0:1:0: DEVICE RESET operation started.
sym0:1:0: DEVICE RESET operation timed-out.
sym0:1:0: BUS RESET operation started.
sym0: SCSI BUS reset detected.
sym0: SCSI BUS has been reset.
sym0:1:0: BUS RESET operation complete.
unable to read partition table
Attached scsi disk sdb at scsi0, channel 0, id 1, lun 0
sym0:5:0:phase change 6-7 9@1fc5af90 resid=7.
sym0:5:0:phase change 6-7 9@1fc5af84 resid=7.
sym0:5:0:phase change 6-7 9@1fc5af90 resid=7.
sym0:5:0:phase change 6-7 9@1fc5af84 resid=7.
sym0:5:0:phase change 6-7 9@1fc5af90 resid=7.
sym0:5:0:phase change 6-7 9@1fc5af84 resid=7.
sym0:5:0:phase change 6-7 9@1fc5af90 resid=7.
Attached scsi removable disk sdc at scsi0, channel 0, id 5, lun 0
SCSI device sdd: 71687340 512-byte hdwr sectors (36704 MB)
SCSI device sdd: drive cache: write back
SCSI device sdd: 71687340 512-byte hdwr sectors (36704 MB)
SCSI device sdd: drive cache: write back
sdd: sdd1 < sdd5 >
Attached scsi disk sdd at scsi0, channel 0, id 8, lun 0
sr0: scsi3-mmc drive: 12x/12x writer cd/rw xa/form2 cdda caddy
Uniform CD-ROM driver Revision: 3.20
Attached scsi CD-ROM sr0 at scsi0, channel 0, id 2, lun 0
sr1: scsi3-mmc drive: 40x/40x cd/rw xa/form2 cdda tray
Attached scsi CD-ROM sr1 at scsi0, channel 0, id 3, lun 0
sr2: scsi-l drive
Attached scsi CD-ROM sr2 at scsi0, channel 0, id 4, lun 0
Attached scsi generic sg0 at scsi0, channel 0, id 0, lun 0, type 0
Attached scsi generic sg1 at scsi0, channel 0, id 1, lun 0, type 0
Attached scsi generic sg2 at scsi0, channel 0, id 2, lun 0, type 5
Attached scsi generic sg3 at scsi0, channel 0, id 3, lun 0, type 5
Attached scsi generic sg4 at scsi0, channel 0, id 4, lun 0, type 5
Attached scsi generic sg5 at scsi0, channel 0, id 5, lun 0, type 0
Attached scsi generic sg6 at scsi0, channel 0, id 8, lun 0, type 0
PCI: Enabling device 0000:02:0b.2 (0014 -> 0016)

ACPI: PCI Interrupt Link [LNKF] enabled at IRQ 11
ACPI: PCI interrupt 0000:02:0b.2[C] -> GSI 11 (level, low) -> IRQ 11
ehci_hcd 0000:02:0b.2: NEC Corporation USB 2.0
ehci_hcd 0000:02:0b.2: irq 11, pci mem 0xec000000
ehci_hcd 0000:02:0b.2: new USB bus registered, assigned bus number 1
ehci_hcd 0000:02:0b.2: park 0
ehci_hcd 0000:02:0b.2: USB 2.0 initialized, EHCI 1.00, driver 10 Dec 2004
hub 1-0:1.0: USB hub found
hub 1-0:1.0: 5 ports detected
ohci_hcd: 2004 Nov 08 USB 1.1 'Open' Host Controller (OHCI) Driver (PCI)
PCI: Enabling device 0000:02:0b.0 (0014 -> 0016)
ACPI: PCI Interrupt Link [LNKH] enabled at IRQ 9
ACPI: PCI interrupt 0000:02:0b.0[A] -> GSI 9 (level, low) -> IRQ 9
ohci_hcd 0000:02:0b.0: NEC Corporation USB
ohci_hcd 0000:02:0b.0: irq 9, pci mem 0xed000000
ohci_hcd 0000:02:0b.0: new USB bus registered, assigned bus number 2
hub 2-0:1.0: USB hub found
hub 2-0:1.0: 3 ports detected
PCI: Enabling device 0000:02:0b.1 (0014 -> 0016)
ACPI: PCI interrupt 0000:02:0b.1[B] -> GSI 9 (level, low) -> IRQ 9
ohci_hcd 0000:02:0b.1: NEC Corporation USB (#2)
ohci_hcd 0000:02:0b.1: irq 9, pci mem 0xec800000
ohci_hcd 0000:02:0b.1: new USB bus registered, assigned bus number 3
hub 3-0:1.0: USB hub found
hub 3-0:1.0: 2 ports detected
usb 1-3: new high speed USB device using ehci_hcd and address 2
USB Universal Host Controller Interface driver v2.2
ACPI: PCI Interrupt Link [LNKD] enabled at IRQ 9
ACPI: PCI interrupt 0000:00:1f.2[D] -> GSI 9 (level, low) -> IRQ 9
uhci_hcd 0000:00:1f.2: Intel Corp. 82801BA/BAM USB (Hub #1)
PCI: Setting latency timer of device 0000:00:1f.2 to 64
uhci_hcd 0000:00:1f.2: irq 9, io base 0xa400
uhci_hcd 0000:00:1f.2: new USB bus registered, assigned bus number 4
hub 4-0:1.0: USB hub found
hub 4-0:1.0: 2 ports detected
ACPI: PCI interrupt 0000:00:1f.4[C] -> GSI 9 (level, low) -> IRQ 9
uhci_hcd 0000:00:1f.4: Intel Corp. 82801BA/BAM USB (Hub #2)
PCI: Setting latency timer of device 0000:00:1f.4 to 64
uhci_hcd 0000:00:1f.4: irq 9, io base 0xa000
uhci_hcd 0000:00:1f.4: new USB bus registered, assigned bus number 5
hub 5-0:1.0: USB hub found
hub 5-0:1.0: 2 ports detected
usb 4-1: new full speed USB device using uhci_hcd and address 2
usbcore: registered new driver usbblp
drivers/usb/class/usbblp.c: v0.13: USB Printer Device Class driver
Initializing USB Mass Storage driver...
usb 5-2: new full speed USB device using uhci_hcd and address 2
hub 5-2:1.0: USB hub found
hub 5-2:1.0: 4 ports detected
usbcore: registered new driver usb-storage
USB Mass Storage support registered.
usbcore: registered new driver usbhid
drivers/usb/input/hid-core.c: v2.0:USB HID core driver

PCI: Enabling device 0000:02:0e.1 (0004 -> 0005)
gameport: pci0000:02:0e.1 speed 1125 kHz
Advanced Linux Sound Architecture Driver Version 1.0.8 (Thu Jan 13 09:39:32 2005 UTC).
PCI: Enabling device 0000:02:0e.0 (0004 -> 0005)
ACPI: PCI Interrupt Link [LNKC] enabled at IRQ 11
ACPI: PCI interrupt 0000:02:0e.0[A] -> GSI 11 (level, low) -> IRQ 11
ALSA device list:
#0: Sound Blaster Live! (rev.8, serial:0x80401102) at 0xd000, irq 11
NET: Registered protocol family 2
IP: routing cache hash table of 4096 buckets, 32Kbytes
TCP established hash table entries: 32768 (order: 6, 262144 bytes)
TCP bind hash table entries: 32768 (order: 5, 131072 bytes)
TCP: Hash tables configured (established 32768 bind 32768)
ip_conntrack version 2.1 (4095 buckets, 32760 max) - 212 bytes per conntrack
ip_tables: (C) 2000-2002 Netfilter core team
ipt_recent v0.3.1: Stephen Frost <sfrost@snowman.net>. http://snowman.net/projects/ipt_recent/
arp_tables: (C) 2002 David S. Miller
NET: Registered protocol family 1
NET: Registered protocol family 17
ACPI wakeup devices:
PCI0 PCI1 PCI2 UAR1 UAR2 USB0 USB1 AC97
ACPI: (supports S0 S1 S3 S4 S5)
ReiserFS: hda4: found reiserfs format "3.6" with standard journal
ReiserFS: hda4: using ordered data mode
ReiserFS: hda4: journal params: device hda4, size 8192, journal first block 18, max trans len 1024, max batch 900, max commit age 30, max trans age 30
ReiserFS: hda4: checking transaction log (hda4)
ReiserFS: hda4: Using r5 hash to sort names
VFS: Mounted root (reiserfs filesystem) readonly.
Freeing unused kernel memory: 164k freed