

[OOPS] amrestore dies in kmem_cache_free 2.6.16.18 – cannot restore backups!

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2006-05/msg06303.html>

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 - *Date:* Tue, 23 May 2006 18:24:14 -0700
-

So I was able to recreate this problem on a vanilla 2.6.16.18 with the following oops..

I'd say this is a serious regression since I cannot restore backups anymore (I could with 2.6.14.x, but that kernel series had other issues...)

amrestore does manage to read 1 32k block from tape before dying.

Any help would be greatly appreciated.

-- James Lamanna

```
Unable to handle kernel paging request at ffff82bc81000030 RIP:
<ffffffff801657d9>{kmem_cache_free+82}
PGD 0
Oops: 0000 [1] SMP
CPU 1
Modules linked in:
Pid: 5814, comm: amrestore Not tainted 2.6.16.18 #2
RIP: 0010:[<ffffffff801657d9>] <ffffffff801657d9>{kmem_cache_free+82}
RSP: 0018:ffff81007d4afcd8 EFLAGS: 00010086
RAX: ffff82bc81000000 RBX: ffff81004119d800 RCX: 000000000000001e
RDX: ffff81000000c000 RSI: 0000000000000000 RDI: 00000007f0000000
RBP: ffff81007ff0c800 R08: 0000000000000000 R09: 0000000000000040
R10: 0000000000000000 R11: ffffffff8014b3d6 R12: ffff810041311480
R13: 0000000000000040 R14: 0000000000000040 R15: ffff81007e676748
FS: 00002b7f39708020(0000) GS:ffff810041173bc0(0000) knlGS:0000000000000000
CS: 0010 DS: 0000 ES: 0000 CR0: 000000008005003b
CR2: ffff82bc81000030 CR3: 000000007de09000 CR4: 000000000000006e
Process amrestore (pid: 5814, threadinfo ffff81007d4ae000, task
ffff81007e2f8ae0)
Stack: 0000000000000000 0000000000000246 ffff8100413c9bc0 ffff81007ff0c800
ffff8100413c9bc0 ffffffff8016dfdc ffff8100413c9bc0 ffff81007fe25408
00000000fffffea ffffffff803187e7
Call Trace: <ffffffff8016dfdc>{bio_free+48}
<ffffffff803187e7>{scsi_execute_async+640}
<ffffffff8035d8d2>{st_do_scsi+422} <ffffffff8035d6e2>{st_sleep_done+0}
```

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```
<ffffff80362950>{st_read+855}
<ffffff8013e1ca>{autoremove_wake_function+0}
<ffffff80169d7c>{vfs_read+171} <ffffff8016a0af>{sys_read+69}
<ffffff8010a93e>{system_call+126}
```

```
Code: 48 8b 48 30 0f b7 51 28 65 8b 04 25 30 00 00 00 39 c2 0f 84
RIP <ffffff801657d9>{kmem_cache_free+82} RSP <ffff81007d4afcd8>
CR2: ffff82bc81000030
```

dmesg:

```
Bootdata ok (command line is root=/dev/sda3
netconsole=@xxxxxxxxx/eth1,10001@xxxxxxxxxx/)
Linux version 2.6.16.18 (root@fs0) (gcc version 3.4.3 20041125 (Gentoo
3.4.3-r1, ssp-3.4.3-0, pie-8.7.7)) #2 SMP Tue May 23 18:12:01 PDT 2006
BIOS-provided physical RAM map:
BIOS-e820: 0000000000000000 – 0000000000099000 (usable)
BIOS-e820: 0000000000099000 – 00000000000a0000 (reserved)
BIOS-e820: 00000000000c2000 – 0000000000100000 (reserved)
BIOS-e820: 0000000000100000 – 000000007ff20000 (usable)
BIOS-e820: 000000007ff20000 – 000000007ff2f000 (ACPI data)
BIOS-e820: 000000007ff2f000 – 000000007ff80000 (ACPI NVS)
BIOS-e820: 000000007ff80000 – 0000000080000000 (reserved)
BIOS-e820: 00000000e0000000 – 00000000f0000000 (reserved)
BIOS-e820: 00000000fec00000 – 00000000fec00400 (reserved)
BIOS-e820: 00000000fee00000 – 00000000fee01000 (reserved)
BIOS-e820: 00000000fff80000 – 0000000100000000 (reserved)
ACPI: RSDP (v000 PTLTD ) @ 0x000000000000f6f80
ACPI: RSDT (v001 PTLTD RSDT 0x06040000 LTP 0x00000000) @
0x000000007ff2af87
ACPI: FADT (v001 NVIDIA CK8S 0x06040000 PTL_ 0x000f4240) @
0x000000007ff2ec9e
ACPI: SSDT (v001 PTLTD POWERNOW 0x06040000 LTP 0x00000001) @
0x000000007ff2ed12
ACPI: SRAT (v001 AMD HAMMER 0x06040000 AMD 0x00000001) @
0x000000007ff2ee9a
ACPI: MADT (v001 PTLTD APIC 0x06040000 LTP 0x00000000) @
0x000000007ff2ef62
ACPI: BOOT (v001 PTLTD $SBFTBL$ 0x06040000 LTP 0x00000001) @
0x000000007ff2efd8
ACPI: DSDT (v001 NVIDIA CK8 0x06040000 MSFT 0x0100000e) @
0x0000000000000000
SRAT: PXM 0 -> APIC 0 -> Node 0
SRAT: PXM 1 -> APIC 1 -> Node 1
SRAT: Node 0 PXM 0 0-a0000
SRAT: Node 0 PXM 0 0-40000000
SRAT: Node 1 PXM 1 40000000-80000000
NUMA: Using 30 for the hash shift.
Bootmem setup node 0 0000000000000000-0000000040000000
Bootmem setup node 1 0000000040000000-000000007ff20000
On node 0 totalpages: 257138
DMA zone: 2618 pages, LIFO batch:0
```

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```
DMA32 zone: 254520 pages, LIFO batch:31
Normal zone: 0 pages, LIFO batch:0
HighMem zone: 0 pages, LIFO batch:0
On node 1 totalpages: 258340
DMA zone: 0 pages, LIFO batch:0
DMA32 zone: 258340 pages, LIFO batch:31
Normal zone: 0 pages, LIFO batch:0
HighMem zone: 0 pages, LIFO batch:0
Nvidia board detected. Ignoring ACPI timer override.
ACPI: PM-Timer IO Port: 0x8008
ACPI: Local APIC address 0xfee00000
ACPI: LAPIC (acpi_id[0x00] lapic_id[0x00] enabled)
Processor #0 15:5 APIC version 16
ACPI: LAPIC (acpi_id[0x01] lapic_id[0x01] enabled)
Processor #1 15:5 APIC version 16
ACPI: LAPIC_NMI (acpi_id[0x00] high edge lint[0x1])
ACPI: LAPIC_NMI (acpi_id[0x01] high edge lint[0x1])
ACPI: IOAPIC (id[0x02] address[0xfec00000] gsi_base[0])
IOAPIC[0]: apic_id 2, version 17, address 0xfec00000, GSI 0–23
ACPI: IOAPIC (id[0x03] address[0xdf200000] gsi_base[24])
IOAPIC[1]: apic_id 3, version 17, address 0xdf200000, GSI 24–27
ACPI: IOAPIC (id[0x04] address[0xdf201000] gsi_base[28])
IOAPIC[2]: apic_id 4, version 17, address 0xdf201000, GSI 28–31
ACPI: INT_SRC_OVR (bus 0 bus_irq 9 global_irq 9 low level)
ACPI: IRQ9 used by override.
Setting APIC routing to flat
Using ACPI (MADT) for SMP configuration information
Allocating PCI resources starting at 88000000 (gap: 80000000:60000000)
Checking aperture...
CPU 0: aperture @ 0 size 32 MB
No AGP bridge found
Built 2 zonelists
Kernel command line: root=/dev/sda3
netconsole=@xxxxxxxxx/eth1,10001@xxxxxxxxxx/
netconsole: local port 6665
netconsole: local IP 10.20.2.30
netconsole: interface eth1
netconsole: remote port 10001
netconsole: remote IP 10.20.2.15
netconsole: remote ethernet address ff:ff:ff:ff:ff:ff
Initializing CPU#0
PID hash table entries: 4096 (order: 12, 131072 bytes)
Disabling vsyscall due to use of PM timer
time.c: Using 3.579545 MHz WALL PM GTOD PM timer.
time.c: Detected 2009.275 MHz processor.
Console: colour VGA+ 80x25
Dentry cache hash table entries: 262144 (order: 9, 2097152 bytes)
Inode-cache hash table entries: 131072 (order: 8, 1048576 bytes)
Memory: 2058556k/2096256k available (3359k kernel code, 37288k
reserved, 1256k data, 228k init)
Calibrating delay using timer specific routine.. 4025.03 BogoMIPS (lpj=8050070)
```

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```
Mount-cache hash table entries: 256
CPU: L1 I Cache: 64K (64 bytes/line), D cache 64K (64 bytes/line)
CPU: L2 Cache: 1024K (64 bytes/line)
CPU 0(1) -> Node 0 -> Core 0
Using local APIC timer interrupts.
result 12557984
Detected 12.557 MHz APIC timer.
Booting processor 1/2 APIC 0x1
Initializing CPU#1
Calibrating delay using timer specific routine.. 4018.81 BogoMIPS (lpj=8037638)
CPU: L1 I Cache: 64K (64 bytes/line), D cache 64K (64 bytes/line)
CPU: L2 Cache: 1024K (64 bytes/line)
CPU 1(1) -> Node 1 -> Core 0
AMD Opteron(tm) Processor 246 stepping 0a
CPU 1: Syncing TSC to CPU 0.
CPU 1: synchronized TSC with CPU 0 (last diff -9 cycles, maxerr 1085 cycles)
Brought up 2 CPUs
testing NMI watchdog ... OK.
migration_cost=566
DMI present.
NET: Registered protocol family 16
ACPI: bus type pci registered
PCI: Using configuration type 1
ACPI: Subsystem revision 20060127
ACPI: Interpreter enabled
ACPI: Using IOAPIC for interrupt routing
ACPI: PCI Root Bridge [PCI0] (0000:00)
PCI: Probing PCI hardware (bus 00)
ACPI: Assume root bridge [_SB_.PCI0] bus is 0
Boot video device is 0000:01:06.0
PCI: Transparent bridge - 0000:00:09.0
ACPI: PCI Interrupt Routing Table [_SB_.PCI0._PRT]
ACPI: PCI Interrupt Routing Table [_SB_.PCI0.P2P0._PRT]
ACPI: PCI Interrupt Routing Table [_SB_.PCI0.XVR0._PRT]
ACPI: PCI Interrupt Routing Table [_SB_.PCI0.XVR1._PRT]
ACPI: PCI Interrupt Link [LNK1] (IRQs 16 17 18 19) *0
ACPI: PCI Interrupt Link [LNK2] (IRQs 16 17 18 19) *0
ACPI: PCI Interrupt Link [LNK3] (IRQs 16 17 18 19) *0
ACPI: PCI Interrupt Link [LNK4] (IRQs 16 17 18 19) *0
ACPI: PCI Interrupt Link [LNK5] (IRQs 16 17 18 19) *0, disabled.
ACPI: PCI Interrupt Link [LSMB] (IRQs 20 21 22 23) *0, disabled.
ACPI: PCI Interrupt Link [LUS0] (IRQs 20 21 22 23) *0
ACPI: PCI Interrupt Link [LUS2] (IRQs 20 21 22 23) *0
ACPI: PCI Interrupt Link [LMAC] (IRQs 20 21 22 23) *0, disabled.
ACPI: PCI Interrupt Link [LACI] (IRQs 20 21 22 23) *0, disabled.
ACPI: PCI Interrupt Link [LMCI] (IRQs 20 21 22 23) *0, disabled.
ACPI: PCI Interrupt Link [LPID] (IRQs 20 21 22 23) *0, disabled.
ACPI: PCI Interrupt Link [LTID] (IRQs 20 21 22 23) *0
ACPI: PCI Interrupt Link [LSI1] (IRQs 20 21 22 23) *0, disabled.
ACPI: PCI Interrupt Link [APCP] (IRQs 20 21 22 23) *0, disabled.
ACPI: PCI Root Bridge [PCI2] (0000:08)
```

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PCI: Probing PCI hardware (bus 08)
ACPI: Assume root bridge [_SB_.PCI0] bus is 0
ACPI: PCI Interrupt Routing Table [_SB_.PCI2.G0PA._PRT]
ACPI: PCI Interrupt Routing Table [_SB_.PCI2.G0PB._PRT]
SCSI subsystem initialized
usbcore: registered new driver usbfs
usbcore: registered new driver hub
PCI: Using ACPI for IRQ routing
PCI: If a device doesn't work, try "pci=routeirq". If it helps, post a report
PCI-DMA: Disabling IOMMU.
PCI: Bridge: 0000:00:09.0
IO window: 2000-2fff
MEM window: dd100000-deffffff
PREFETCH window: 88000000-880fffff
PCI: Bridge: 0000:00:0d.0
IO window: disabled.
MEM window: disabled.
PREFETCH window: disabled.
PCI: Bridge: 0000:00:0e.0
IO window: disabled.
MEM window: disabled.
PREFETCH window: disabled.
PCI: Setting latency timer of device 0000:00:09.0 to 64
PCI: Setting latency timer of device 0000:00:0d.0 to 64
PCI: Setting latency timer of device 0000:00:0e.0 to 64
PCI: Failed to allocate mem resource #6:100000@e0000000 for 0000:09:02.0
PCI: Failed to allocate mem resource #6:100000@e0000000 for 0000:09:02.1
PCI: Bridge: 0000:08:0a.0
IO window: 3000-3fff
MEM window: df300000-df3fffff
PREFETCH window: df800000-dfffffff
PCI: Bridge: 0000:08:0b.0
IO window: 4000-4fff
MEM window: df400000-df4fffff
PREFETCH window: 88100000-881fffff
Simple Boot Flag at 0x36 set to 0x1
IA32 emulation \$Id: sys_ia32.c,v 1.32 2002/03/24 13:02:28 ak Exp \$
Total HugeTLB memory allocated, 0
Installing knfsd (copyright (C) 1996 okir@xxxxxxxxxxxxx).
SGI XFS with ACLs, security attributes, large block/inode numbers, no
debug enabled
SGI XFS Quota Management subsystem
io scheduler noop registered
io scheduler deadline registered (default)
io scheduler cfq registered
PCI: MSI quirk detected. pci_msi_quirk set.
PCI: MSI quirk detected. pci_msi_quirk set.
PCI: Setting latency timer of device 0000:00:0d.0 to 64
pcie_portdrv_probe->Dev[005d:10de] has invalid IRQ. Check vendor BIOS
assign_interrupt_mode Found MSI capability
PCI: MSI quirk detected. MSI disabled.

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```
Allocate Port Service[0000:00:0d.0:pcie00]
PCI: Setting latency timer of device 0000:00:0e.0 to 64
pcie_portdrv_probe->Dev[005d:10de] has invalid IRQ. Check vendor BIOS
assign_interrupt_mode Found MSI capability
Allocate Port Service[0000:00:0e.0:pcie00]
ACPI: Power Button (FF) [PWRFB]
ACPI: Power Button (CM) [PWRB]
Real Time Clock Driver v1.12ac
Linux agpgart interface v0.101 (c) Dave Jones
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 $ 4 ports, IRQ sharing disabled
serial8250: ttyS0 at I/O 0x3f8 (irq = 4) is a 16550A
serial8250: ttyS1 at I/O 0x2f8 (irq = 3) is a 16550A
isa bounce pool size: 16 pages
Floppy drive(s): fd0 is 1.44M
FDC 0 is a post-1991 82077
RAMDISK driver initialized: 16 RAM disks of 4096K size 1024 blocksize
loop: loaded (max 8 devices)
e100: Intel(R) PRO/100 Network Driver, 3.5.10-k2-NAPI
e100: Copyright(c) 1999-2005 Intel Corporation
ACPI: PCI Interrupt Link [LNK3] enabled at IRQ 19
GSI 16 sharing vector 0xB1 and IRQ 16
ACPI: PCI Interrupt 0000:01:08.0[A] -> Link [LNK3] -> GSI 19 (level,
high) -> IRQ 177
e100: eth0: e100_probe: addr 0xdd101000, irq 177, MAC addr 00:E0:81:30:33:CE
tg3.c:v3.49 (Feb 2, 2006)
GSI 17 sharing vector 0xB9 and IRQ 17
ACPI: PCI Interrupt 0000:0a:09.0[A] -> GSI 28 (level, low) -> IRQ 185
eth1: Tigon3 [partno(BCM95704A7) rev 2003 PHY(5704)]
(PCI:66MHz:64-bit) 10/100/1000BaseT Ethernet 00:e0:81:30:d7:f8
eth1: RXcsums[1] LinkChgREG[0] Mlirq[0] ASF[0] Split[0] WireSpeed[1] TSOcap[1]
eth1: dma_rwctrl[763f0000] dma_mask[64-bit]
GSI 18 sharing vector 0xC1 and IRQ 18
ACPI: PCI Interrupt 0000:0a:09.1[B] -> GSI 29 (level, low) -> IRQ 193
eth2: Tigon3 [partno(BCM95704A7) rev 2003 PHY(5704)]
(PCI:66MHz:64-bit) 10/100/1000BaseT Ethernet 00:e0:81:30:d7:f9
eth2: RXcsums[1] LinkChgREG[0] Mlirq[0] ASF[0] Split[0] WireSpeed[1] TSOcap[1]
eth2: dma_rwctrl[763f0000] dma_mask[64-bit]
tun: Universal TUN/TAP device driver, 1.6
tun: (C) 1999-2004 Max Krasnyansky <maxk@xxxxxxxxxxxx>
netconsole: device eth1 not up yet, forcing it
tg3: eth1: Link is up at 1000 Mbps, full duplex.
tg3: eth1: Flow control is off for TX and off for RX.
netconsole: network logging started
Uniform Multi-Platform E-IDE driver Revision: 7.00alpha2
ide: Assuming 33MHz system bus speed for PIO modes; override with idebus=xx
NFORCE-CK804: IDE controller at PCI slot 0000:00:06.0
NFORCE-CK804: chipset revision 162
NFORCE-CK804: not 100% native mode: will probe irqs later
NFORCE-CK804: 0000:00:06.0 (rev a2) UDMA133 controller
```

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ide0: BM-DMA at 0x1400-0x1407, BIOS settings: hda:DMA, hdb:pio
ide1: BM-DMA at 0x1408-0x140f, BIOS settings: hdc:pio, hdd:pio
Probing IDE interface ide0...
hda: SONY CD-ROM CDU5225, ATAPI CD/DVD-ROM drive
ide0 at 0x1f0-0x1f7,0x3f6 on irq 14
Probing IDE interface ide1...
Probing IDE interface ide1...
hda: ATAPI 52X CD-ROM drive, 96kB Cache, UDMA(33)
Uniform CD-ROM driver Revision: 3.20
GSI 19 sharing vector 0xC9 and IRQ 19
ACPI: PCI Interrupt 0000:0a:03.0[A] -> GSI 30 (level, low) -> IRQ 201
scsi0 : Adaptec AIC7XXX EISA/VLB/PCI SCSI HBA DRIVER, Rev 7.0
<Adaptec 3960D Ultra160 SCSI adapter>
aic7899: Ultra160 Wide Channel A, SCSI Id=7, 32/253 SCBs

Vendor: DELL Model: PV-132T Rev: 308D
Type: Medium Changer ANSI SCSI revision: 02
target0:0:0: Beginning Domain Validation
target0:0:0: Ending Domain Validation
Vendor: IBM Model: ULTRIUM-TD2 Rev: 53Y3
Type: Sequential-Access ANSI SCSI revision: 03
target0:0:1: Beginning Domain Validation
target0:0:1: wide asynchronous
target0:0:1: FAST-80 WIDE SCSI 160.0 MB/s DT (12.5 ns, offset 31)
target0:0:1: Ending Domain Validation
GSI 20 sharing vector 0xD1 and IRQ 20
ACPI: PCI Interrupt 0000:0a:03.1[B] -> GSI 31 (level, low) -> IRQ 209
scsi1 : Adaptec AIC7XXX EISA/VLB/PCI SCSI HBA DRIVER, Rev 7.0
<Adaptec 3960D Ultra160 SCSI adapter>
aic7899: Ultra160 Wide Channel B, SCSI Id=7, 32/253 SCBs

3ware Storage Controller device driver for Linux v1.26.02.001.
3ware 9000 Storage Controller device driver for Linux v2.26.02.007.
GSI 21 sharing vector 0xD9 and IRQ 21
ACPI: PCI Interrupt 0000:09:03.0[A] -> GSI 27 (level, low) -> IRQ 217
scsi2 : 3ware 9000 Storage Controller
3w-9xxx: scsi2: Found a 3ware 9000 Storage Controller at 0xdf340000, IRQ: 217.
3w-9xxx: scsi2: Firmware FE9X 2.06.00.009, BIOS BE9X 2.03.01.051, Ports: 8.
Vendor: AMCC Model: 9500S-8 DISK Rev: 2.06
Type: Direct-Access ANSI SCSI revision: 03
libata version 1.20 loaded.
st: Version 20050830, fixed bufsize 32768, s/g segs 256
st 0:0:1:0: Attached scsi tape st0<4>st0: try direct i/o: yes (alignment 512 B)
SCSI device sda: 1757749248 512-byte hdwr sectors (899968 MB)
sda: Write Protect is off
sda: Mode Sense: 23 00 00 00
SCSI device sda: drive cache: write back, no read (daft)
SCSI device sda: 1757749248 512-byte hdwr sectors (899968 MB)
sda: Write Protect is off
sda: Mode Sense: 23 00 00 00
SCSI device sda: drive cache: write back, no read (daft)

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```
sda: sda1 sda2 sda3 sda4 < sda5 >
sd 2:0:0:0: Attached scsi disk sda
0:0:0:0: Attached scsi generic sg0 type 8
st 0:0:1:0: Attached scsi generic sg1 type 1
sd 2:0:0:0: Attached scsi generic sg2 type 0
SCSI Media Changer driver v0.25
ch0: type #1 (mt): 0x1+1 [medium transport]
ch0: type #2 (st): 0x1000+23 [storage]
ch0: type #3 (ie): 0x10+1 [import/export]
ch0: type #4 (dt): 0x100+1 [data transfer]
ch0: dt 0x100: ID 1, LUN 0, name: IBM ULTRIUM-TD2 53Y3
ch0: INITIALIZE ELEMENT STATUS, may take some time ...
ch0: ... finished
ch 0:0:0:0: Attached scsi changer ch0
Fusion MPT base driver 3.03.07
Copyright (c) 1999–2005 LSI Logic Corporation
Fusion MPT FC Host driver 3.03.07
GSI 22 sharing vector 0xE1 and IRQ 22
ACPI: PCI Interrupt 0000:09:02.0[A] -> GSI 26 (level, low) -> IRQ 225
mptbase: Initiating ioc0 bringup
ioc0: FC929XL: Capabilities={Initiator,Target,LAN}
scsi3 : ioc0: LSIFC929XL, FwRev=01020b00h, Ports=1, MaxQ=1023, IRQ=225
ACPI: PCI Interrupt 0000:09:02.1[B] -> GSI 27 (level, low) -> IRQ 217
mptbase: Initiating ioc1 bringup
ioc1: FC929XL: Capabilities={Initiator,Target,LAN}
Vendor: APPLE Model: Xse<6>scsi4 : ioc1: LSIFC929XL,
FwRev=01020b00h, Ports=1, MaxQ=1023, IRQ=217
rve RAID Rev: 1.50
Type: Direct-Access ANSI SCSI revision:
05<5>usbmon: debugfs is not available

ACPI: PCI Interrupt Link [LUS2] enabled at IRQ 23
GSI 23 sharing vector 0xE9 and IRQ 23
ACPI: PCI Interrupt 0000:00:02.1[B] -> Link [LUS2] -> GSI 23 (level,
high) -> IRQ 233
PCI: Setting latency timer of device 0000:00:02.1 to 64
ehci_hcd 0000:00:02.1: EHCI Host Controller
ehci_hcd 0000:00:02.1: debug port 1
PCI: cache line size of 64 is not supported by device 0000:00:02.1
ehci_hcd 0000:00:02.1: new USB bus registered, assigned bus number 1
ehci_hcd 0000:00:02.1: irq 233, io mem 0xdd001000
ehci_hcd 0000:00:02.1: USB 2.0 started, EHCI 1.00, driver 10 Dec 2004
Vendor: AP<6>usb usb1: configuration #1 chosen from 1 choice
hub 1-0:1.0: USB hub found
hub 1-0:1.0: 10 ports detected
PLE Model: Xserve RAID Rev: 1.50
Type: Direct-Access ANSI SCSI revision: 05
sdb : very big device. try to use READ CAPACITY(16).
sdc : very big device. try to use READ CAPACITY(16).
SCSI device sdb: 5860573184 512-byte hdwr sectors (3000613 MB)
SCSI device sdc: 5860573184 512-byte hdwr sectors (3000613 MB)
```

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```
sdb: Write Protect is off
sdb: Mode Sense: ad 00 00 08
sdc: Write Protect is off
sdc: Mode Sense: ad 00 00 08
SCSI device sdb: drive cache: write back
SCSI device sdc: drive cache: write back
sdb : very big device. try to use READ CAPACITY(16).
sdc : very big device. try to use READ CAPACITY(16).
SCSI device sdb: 5860573184 512-byte hdwr sectors (3000613 MB)
SCSI device sdc: 5860573184 512-byte hdwr sectors (3000613 MB)
sdb: Write Protect is off
sdb: Mode Sense: ad 00 00 08
sdc: Write Protect is off
sdc: Mode Sense: ad 00 00 08
SCSI device sdb: drive cache: write back
sdb:<5>SCSI device sdc: drive cache: write back
sdc: unknown partition table
sd 3:0:0:0: Attached scsi disk sdb
unknown partition table
sd 4:0:0:0: Attached scsi disk sdc
sd 3:0:0:0: Attached scsi generic sg3 type 0
sd 4:0:0:0: Attached scsi generic sg4 type 0
ohci_hcd: 2005 April 22 USB 1.1 'Open' Host Controller (OHCI) Driver (PCI)
ACPI: PCI Interrupt Link [LUS0] enabled at IRQ 22
GSI 24 sharing vector 0x32 and IRQ 24
ACPI: PCI Interrupt 0000:00:02.0[A] -> Link [LUS0] -> GSI 22 (level,
high) -> IRQ 50
PCI: Setting latency timer of device 0000:00:02.0 to 64
ohci_hcd 0000:00:02.0: OHCI Host Controller
ohci_hcd 0000:00:02.0: new USB bus registered, assigned bus number 2
ohci_hcd 0000:00:02.0: irq 50, io mem 0xdd000000
usb usb2: configuration #1 chosen from 1 choice
hub 2-0:1.0: USB hub found
hub 2-0:1.0: 10 ports detected
USB Universal Host Controller Interface driver v2.3
usb 2-3: new low speed USB device using ohci_hcd and address 2
usb 2-3: configuration #1 chosen from 1 choice
usbcore: registered new driver usblp
drivers/usb/class/usblp.c: v0.13: USB Printer Device Class driver
Initializing USB Mass Storage driver...
usbcore: registered new driver usb-storage
USB Mass Storage support registered.
input: BTC USB Multimedia Keyboard as /class/input/input0
input: USB HID v1.10 Keyboard [BTC USB Multimedia Keyboard] on
usb-0000:00:02.0-3
input: BTC USB Multimedia Keyboard as /class/input/input1
input: USB HID v1.10 Device [BTC USB Multimedia Keyboard] on usb-0000:00:02.0-3
usbcore: registered new driver usbhid
drivers/usb/input/hid-core.c: v2.6:USB HID core driver
mouse: PS/2 mouse device common for all mice
md: linear personality registered for level -1
```

[OOPS] amrestore dies in kmem_cache_free 2.6.16.18 – cannot restore backups!

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```
md: raid0 personality registered for level 0
md: raid1 personality registered for level 1
md: raid5 personality registered for level 5
md: raid4 personality registered for level 4
raid5: automatically using best checksumming function: generic_sse
generic_sse: 6155.000 MB/sec
raid5: using function: generic_sse (6155.000 MB/sec)
md: md driver 0.90.3 MAX_MD_DEVS=256, MD_SB_DISKS=27
md: bitmap version 4.39
device-mapper: 4.5.0-ioctl (2005-10-04) initialised: dm-devel@xxxxxxxxxxx
NET: Registered protocol family 2
IP route cache hash table entries: 65536 (order: 7, 524288 bytes)
TCP established hash table entries: 262144 (order: 10, 4194304 bytes)
TCP bind hash table entries: 65536 (order: 8, 1048576 bytes)
TCP: Hash tables configured (established 262144 bind 65536)
TCP reno registered
TCP bic registered
NET: Registered protocol family 1
NET: Registered protocol family 10
IPv6 over IPv4 tunneling driver
NET: Registered protocol family 17
powernow-k8: Found 2 AMD Athlon 64 / Opteron processors (version 1.60.0)
powernow-k8: 0 : fid 0xc (2000 MHz), vid 0x2 (1500 mV)
powernow-k8: 1 : fid 0xa (1800 MHz), vid 0x6 (1400 mV)
powernow-k8: 2 : fid 0x2 (1000 MHz), vid 0xe (1200 mV)
cpu_init done, current fid 0xc, vid 0x2
powernow-k8: 0 : fid 0xc (2000 MHz), vid 0x2 (1500 mV)
powernow-k8: 1 : fid 0xa (1800 MHz), vid 0x6 (1400 mV)
powernow-k8: 2 : fid 0x2 (1000 MHz), vid 0xe (1200 mV)
cpu_init done, current fid 0xc, vid 0x2
md: Autodetecting RAID arrays.
md: autorun ...
md: ... autorun DONE.
ReiserFS: sda3: found reiserfs format "3.6" with standard journal
input: AT Translated Set 2 keyboard as /class/input/input2
ReiserFS: sda3: using ordered data mode
ReiserFS: sda3: journal params: device sda3, size 8192, journal first
block 18, max trans len 1024, max batch 900, max commit age 30, max
trans age 30
ReiserFS: sda3: checking transaction log (sda3)
ReiserFS: sda3: Using r5 hash to sort names
VFS: Mounted root (reiserfs filesystem) readonly.
Freeing unused kernel memory: 228k freed
Adding 3911816k swap on /dev/sda2. Priority:-1 extents:1 across:3911816k
md: md0 stopped.
md: md0 stopped.
md: bind<sdc>
md: bind<sdb>
md0: setting max_sectors to 128, segment boundary to 32767
raid0: looking at sdb
raid0: comparing sdb(2930286528) with sdb(2930286528)
```

[OOPS] amrestore dies in kmem_cache_free 2.6.16.18 – cannot restore backups!

```
raid0: END
raid0: ==> UNIQUE
raid0: 1 zones
raid0: looking at sdc
raid0: comparing sdc(2930286528) with sdb(2930286528)
raid0: EQUAL
raid0: FINAL 1 zones
raid0: done.
raid0 : md_size is 5860573056 blocks.
raid0 : conf->hash_spacing is 5860573056 blocks.
raid0 : nb_zone is 2.
raid0 : Allocating 16 bytes for hash.
XFS: osyncisdsync is now the default, option is deprecated.
XFS mounting filesystem dm-1
Ending clean XFS mount for filesystem: dm-1
XFS: osyncisdsync is now the default, option is deprecated.
XFS mounting filesystem dm-0
Ending clean XFS mount for filesystem: dm-0
XFS: osyncisdsync is now the default, option is deprecated.
XFS mounting filesystem md0
Ending clean XFS mount for filesystem: md0
eth1: no IPv6 routers present
st0: Block limits 1 – 16777215 bytes.
```

```
.config:
#
# Automatically generated make config: don't edit
# Linux kernel version: 2.6.16.18
# Tue May 23 18:09:27 2006
#
CONFIG_X86_64=y
CONFIG_64BIT=y
CONFIG_X86=y
CONFIG_SEMAPHORE_SLEEPERS=y
CONFIG_MMU=y
CONFIG_RWSEM_GENERIC_SPINLOCK=y
CONFIG_GENERIC_CALIBRATE_DELAY=y
CONFIG_X86_CMPXCHG=y
CONFIG_EARLY_PRINTK=y
CONFIG_GENERIC_ISA_DMA=y
CONFIG_GENERIC_IOMAP=y
CONFIG_ARCH_MAY_HAVE_PC_FDC=y
CONFIG_DMI=y

#
# Code maturity level options
#
CONFIG_EXPERIMENTAL=y
CONFIG_LOCK_KERNEL=y
CONFIG_INIT_ENV_ARG_LIMIT=32
```

[OOPS] amrestore dies in kmem_cache_free 2.6.16.18 – cannot restore backups!

```
#
# General setup
#
CONFIG_LOCALVERSION=""
CONFIG_LOCALVERSION_AUTO=y
CONFIG_SWAP=y
CONFIG_SYSVIPC=y
# CONFIG_POSIX_MQUEUE is not set
# CONFIG_BSD_PROCESS_ACCT is not set
CONFIG_SYSCTL=y
# CONFIG_AUDIT is not set
CONFIG_IKCONFIG=y
CONFIG_IKCONFIG_PROC=y
# CONFIG_CPUSETS is not set
CONFIG_INITRAMFS_SOURCE=""
CONFIG_UID16=y
CONFIG_VM86=y
CONFIG_CC_OPTIMIZE_FOR_SIZE=y
# CONFIG_EMBEDDED is not set
CONFIG_KALLSYMS=y
# CONFIG_KALLSYMS_EXTRA_PASS is not set
CONFIG_HOTPLUG=y
CONFIG_PRINTK=y
CONFIG_BUG=y
CONFIG_ELF_CORE=y
CONFIG_BASE_FULL=y
CONFIG_FUTEX=y
CONFIG_EPOLL=y
CONFIG_SHMEM=y
CONFIG_CC_ALIGN_FUNCTIONS=0
CONFIG_CC_ALIGN_LABELS=0
CONFIG_CC_ALIGN_LOOPS=0
CONFIG_CC_ALIGN_JUMPS=0
CONFIG_SLAB=y
# CONFIG_TINY_SHMEM is not set
CONFIG_BASE_SMALL=0
# CONFIG_SLOB is not set

#
# Loadable module support
#
CONFIG_MODULES=y
CONFIG_MODULE_UNLOAD=y
# CONFIG_MODULE_FORCE_UNLOAD is not set
CONFIG_OBSOLETE_MODPARM=y
# CONFIG_MODVERSIONS is not set
# CONFIG_MODULE_SRCVERSION_ALL is not set
# CONFIG_KMOD is not set
CONFIG_STOP_MACHINE=y
```

[OOPS] amrestore dies in kmem_cache_free 2.6.16.18 – cannot restore backups!

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```
#
# Block layer
#
CONFIG_LBD=y

#
# IO Schedulers
#
CONFIG_IOSCHED_NOOP=y
# CONFIG_IOSCHED_AS is not set
CONFIG_IOSCHED_DEADLINE=y
CONFIG_IOSCHED_CFQ=y
# CONFIG_DEFAULT_AS is not set
CONFIG_DEFAULT_DEADLINE=y
# CONFIG_DEFAULT_CFQ is not set
# CONFIG_DEFAULT_NOOP is not set
CONFIG_DEFAULT_IOSCHED="deadline"

#
# Processor type and features
#
CONFIG_X86_PC=y
# CONFIG_X86_VSMP is not set
CONFIG_MK8=y
# CONFIG_MPSC is not set
# CONFIG_GENERIC_CPU is not set
CONFIG_X86_L1_CACHE_BYTES=64
CONFIG_X86_L1_CACHE_SHIFT=6
CONFIG_X86_TSC=y
CONFIG_X86_GOOD_APIC=y
# CONFIG_MICROCODE is not set
CONFIG_X86_MSR=y
CONFIG_X86_CPUID=y
CONFIG_X86_IO_APIC=y
CONFIG_X86_LOCAL_APIC=y
CONFIG_MTRR=y
CONFIG_SMP=y
CONFIG_SCHED_SMT=y
CONFIG_PREEMPT_NONE=y
# CONFIG_PREEMPT_VOLUNTARY is not set
# CONFIG_PREEMPT is not set
CONFIG_PREEMPT_BKL=y
CONFIG_NUMA=y
CONFIG_K8_NUMA=y
CONFIG_X86_64_ACPI_NUMA=y
# CONFIG_NUMA_EMU is not set
CONFIG_ARCH_DISCONTIGMEM_ENABLE=y
CONFIG_ARCH_DISCONTIGMEM_DEFAULT=y
CONFIG_ARCH_SPARSEMEM_ENABLE=y
CONFIG_SELECT_MEMORY_MODEL=y
# CONFIG_FLATMEM_MANUAL is not set
```

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```
CONFIG_DISCONTIGMEM_MANUAL=y
# CONFIG_SPARSEMEM_MANUAL is not set
CONFIG_DISCONTIGMEM=y
CONFIG_FLAT_NODE_MEM_MAP=y
CONFIG_NEED_MULTIPLE_NODES=y
# CONFIG_SPARSEMEM_STATIC is not set
CONFIG_SPLIT_PTLOCK_CPUS=4
```

```
CONFIG_MIGRATION=y
CONFIG_HAVE_ARCH_EARLY_PFN_TO_NID=y
CONFIG_NR_CPUS=32
# CONFIG_HOTPLUG_CPU is not set
CONFIG_HPET_TIMER=y
CONFIG_HPET_EMULATE_RTC=y
CONFIG_GART_IOMMU=y
CONFIG_SWIOTLB=y
CONFIG_X86_MCE=y
CONFIG_X86_MCE_INTEL=y
CONFIG_X86_MCE_AMD=y
# CONFIG_KEXEC is not set
# CONFIG_CRASH_DUMP is not set
CONFIG_PHYSICAL_START=0x100000
CONFIG_SECCOMP=y
# CONFIG_HZ_100 is not set
CONFIG_HZ_250=y
# CONFIG_HZ_1000 is not set
CONFIG_HZ=250
CONFIG_GENERIC_HARDIRQS=y
CONFIG_GENERIC_IRQ_PROBE=y
CONFIG_ISA_DMA_API=y
CONFIG_GENERIC_PENDING_IRQ=y
```

```
#
# Power management options
#
CONFIG_PM=y
CONFIG_PM_LEGACY=y
# CONFIG_PM_DEBUG is not set
```

```
#
# ACPI (Advanced Configuration and Power Interface) Support
#
CONFIG_ACPI=y
CONFIG_ACPI_AC=y
CONFIG_ACPI_BATTERY=y
CONFIG_ACPI_BUTTON=y
# CONFIG_ACPI_VIDEO is not set
# CONFIG_ACPI_HOTKEY is not set
CONFIG_ACPI_FAN=y
```

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```
CONFIG_ACPI_PROCESSOR=y
CONFIG_ACPI_THERMAL=y
CONFIG_ACPI_NUMA=y
# CONFIG_ACPI_ASUS is not set
# CONFIG_ACPI_IBM is not set
CONFIG_ACPI_TOSHIBA=y
CONFIG_ACPI_BLACKLIST_YEAR=0
# CONFIG_ACPI_DEBUG is not set
CONFIG_ACPI_EC=y
CONFIG_ACPI_POWER=y
CONFIG_ACPI_SYSTEM=y
CONFIG_X86_PM_TIMER=y
# CONFIG_ACPI_CONTAINER is not set

#
# CPU Frequency scaling
#
CONFIG_CPU_FREQ=y
CONFIG_CPU_FREQ_TABLE=y
# CONFIG_CPU_FREQ_DEBUG is not set
CONFIG_CPU_FREQ_STAT=y
# CONFIG_CPU_FREQ_STAT_DETAILS is not set
CONFIG_CPU_FREQ_DEFAULT_GOV_PERFORMANCE=y
# CONFIG_CPU_FREQ_DEFAULT_GOV_USERSPACE is not set
CONFIG_CPU_FREQ_GOV_PERFORMANCE=y
# CONFIG_CPU_FREQ_GOV_POWERSAVE is not set
CONFIG_CPU_FREQ_GOV_USERSPACE=y
CONFIG_CPU_FREQ_GOV_ONDEMAND=y
# CONFIG_CPU_FREQ_GOV_CONSERVATIVE is not set

#
# CPUFreq processor drivers
#
CONFIG_X86_POWERNOW_K8=y
CONFIG_X86_POWERNOW_K8_ACPI=y
# CONFIG_X86_SPEEDSTEP_CENTRINO is not set
CONFIG_X86_ACPI_CPUFREQ=y

#
# shared options
#
CONFIG_X86_ACPI_CPUFREQ_PROC_INTF=y
# CONFIG_X86_SPEEDSTEP_LIB is not set

#
# Bus options (PCI etc.)
#
CONFIG_PCI=y
CONFIG_PCI_DIRECT=y
CONFIG_PCI_MMCONFIG=y
# CONFIG_UNORDERED_IO is not set
```

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```
CONFIG_PCIEPORTBUS=y
CONFIG_PCI_MSI=y
# CONFIG_PCI_LEGACY_PROC is not set

#
# PCCARD (PCMCIA/CardBus) support
#
# CONFIG_PCCARD is not set

#
# PCI Hotplug Support
#
# CONFIG_HOTPLUG_PCI is not set

#
# Executable file formats / Emulations
#
CONFIG_BINFMT_ELF=y
# CONFIG_BINFMT_MISC is not set
CONFIG_IA32_EMULATION=y
CONFIG_IA32_AOUT=y
CONFIG_COMPAT=y
CONFIG_SYSVIPC_COMPAT=y

#
# Networking
#
CONFIG_NET=y

#
# Networking options
#
# CONFIG_NETDEBUG is not set
CONFIG_PACKET=y
# CONFIG_PACKET_MMAP is not set
CONFIG_UNIX=y
# CONFIG_NET_KEY is not set
CONFIG_INET=y
CONFIG_IP_MULTICAST=y
# CONFIG_IP_ADVANCED_ROUTER is not set
CONFIG_IP_FIB_HASH=y
CONFIG_IP_PNP=y
CONFIG_IP_PNP_DHCP=y
# CONFIG_IP_PNP_BOOTP is not set
# CONFIG_IP_PNP_RARP is not set
# CONFIG_NET_IPIP is not set
# CONFIG_NET_IPGRE is not set
# CONFIG_IP_MROUTE is not set
# CONFIG_ARPD is not set
# CONFIG_SYN_COOKIES is not set
# CONFIG_INET_AH is not set
```

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```
# CONFIG_INET_ESP is not set
# CONFIG_INET_IPCOMP is not set
# CONFIG_INET_TUNNEL is not set
CONFIG_INET_DIAG=y
CONFIG_INET_TCP_DIAG=y
# CONFIG_TCP_CONG_ADVANCED is not set
CONFIG_TCP_CONG_BIC=y
CONFIG_IPV6=y
# CONFIG_IPV6_PRIVACY is not set
# CONFIG_INET6_AH is not set
# CONFIG_INET6_ESP is not set
# CONFIG_INET6_IPCOMP is not set
# CONFIG_INET6_TUNNEL is not set
# CONFIG_IPV6_TUNNEL is not set
# CONFIG_NETFILTER is not set

#
# DCCP Configuration (EXPERIMENTAL)
#
# CONFIG_IP_DCCP is not set

#
# SCTP Configuration (EXPERIMENTAL)
#
# CONFIG_IP_SCTP is not set

#
# TIPC Configuration (EXPERIMENTAL)
#
# CONFIG_TIPC is not set
# CONFIG_ATM is not set
# CONFIG_BRIDGE is not set
# CONFIG_VLAN_8021Q is not set
# CONFIG_DECNET is not set
# CONFIG_LLC2 is not set
# CONFIG_IPX is not set
# CONFIG_ATALK is not set
# CONFIG_X25 is not set
# CONFIG_LAPB is not set
# CONFIG_NET_DIVERT is not set
# CONFIG_ECONET is not set
# CONFIG_WAN_ROUTER is not set

#
# QoS and/or fair queueing
#
# CONFIG_NET_SCHED is not set

#
# Network testing
#
```

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```
# CONFIG_NET_PKTGEN is not set
# CONFIG_HAMRADIO is not set
# CONFIG_IRDA is not set
# CONFIG_BT is not set
# CONFIG_IEEE80211 is not set

#
# Device Drivers
#

#
# Generic Driver Options
#
CONFIG_STANDALONE=y
CONFIG_PREVENT_FIRMWARE_BUILD=y
# CONFIG_FW_LOADER is not set

#
# Connector – unified userspace <-> kernelspace linker
#
# CONFIG_CONNECTOR is not set

#
# Memory Technology Devices (MTD)
#
# CONFIG_MTD is not set

#
# Parallel port support
#
# CONFIG_PARPORT is not set

#
# Plug and Play support
#
# CONFIG_PNP is not set

#
# Block devices
#
CONFIG_BLK_DEV_FD=y
# CONFIG_BLK_CPQ_DA is not set
# CONFIG_BLK_CPQ_CISS_DA is not set
# CONFIG_BLK_DEV_DAC960 is not set
# CONFIG_BLK_DEV_UMEM is not set
# CONFIG_BLK_DEV_COW_COMMON is not set
CONFIG_BLK_DEV_LOOP=y
# CONFIG_BLK_DEV_CRYPTOLOOP is not set
# CONFIG_BLK_DEV_NBD is not set
# CONFIG_BLK_DEV_SX8 is not set
# CONFIG_BLK_DEV_UB is not set
```

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```
CONFIG_BLK_DEV_RAM=y
CONFIG_BLK_DEV_RAM_COUNT=16
CONFIG_BLK_DEV_RAM_SIZE=4096
CONFIG_BLK_DEV_INITRD=y
# CONFIG_CDROM_PKTCDVD is not set
# CONFIG_ATA_OVER_ETH is not set

#
# ATA/ATAPI/MFM/RLL support
#
CONFIG_IDE=y
CONFIG_BLK_DEV_IDE=y

#
# Please see Documentation/ide.txt for help/info on IDE drives
#
# CONFIG_BLK_DEV_IDE_SATA is not set
# CONFIG_BLK_DEV_HD_IDE is not set
CONFIG_BLK_DEV_IDEDISK=y
CONFIG_IDEDISK_MULTI_MODE=y
CONFIG_BLK_DEV_IDECD=y
# CONFIG_BLK_DEV_IDETAPE is not set
# CONFIG_BLK_DEV_IDEFLOPPY is not set
# CONFIG_BLK_DEV_IDESCSI is not set
# CONFIG_IDE_TASK_IOCTL is not set

#
# IDE chipset support/bugfixes
#
CONFIG_IDE_GENERIC=y
# CONFIG_BLK_DEV_CMD640 is not set
CONFIG_BLK_DEV_IDEPCI=y
# CONFIG_IDEPCI_SHARE_IRQ is not set
# CONFIG_BLK_DEV_OFFBOARD is not set
# CONFIG_BLK_DEV_GENERIC is not set
# CONFIG_BLK_DEV_OPTI621 is not set
# CONFIG_BLK_DEV_RZ1000 is not set
CONFIG_BLK_DEV_IDEDMA_PCI=y
# CONFIG_BLK_DEV_IDEDMA_FORCED is not set
CONFIG_IDEDMA_PCI_AUTO=y
# CONFIG_IDEDMA_ONLYDISK is not set
# CONFIG_BLK_DEV_AEC62XX is not set
# CONFIG_BLK_DEV_ALI15X3 is not set
CONFIG_BLK_DEV_AMD74XX=y
# CONFIG_BLK_DEV_ATIIXP is not set
# CONFIG_BLK_DEV_CMD64X is not set
# CONFIG_BLK_DEV_TRIFLEX is not set
# CONFIG_BLK_DEV_CY82C693 is not set
# CONFIG_BLK_DEV_CS5520 is not set
# CONFIG_BLK_DEV_CS5530 is not set
# CONFIG_BLK_DEV_HPT34X is not set
```

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```
# CONFIG_BLK_DEV_HPT366 is not set
# CONFIG_BLK_DEV_SC1200 is not set
CONFIG_BLK_DEV_PIIX=y
# CONFIG_BLK_DEV_IT821X is not set
# CONFIG_BLK_DEV_NS87415 is not set
# CONFIG_BLK_DEV_PDC202XX_OLD is not set
CONFIG_BLK_DEV_PDC202XX_NEW=y
# CONFIG_BLK_DEV_SVWKS is not set
# CONFIG_BLK_DEV_SIIMAGE is not set
# CONFIG_BLK_DEV_SIS5513 is not set
# CONFIG_BLK_DEV_SLC90E66 is not set
# CONFIG_BLK_DEV_TRM290 is not set
# CONFIG_BLK_DEV_VIA82CXXX is not set
# CONFIG_IDE_ARM is not set
CONFIG_BLK_DEV_IDEDMA=y
# CONFIG_IDEDMA_IVB is not set
CONFIG_IDEDMA_AUTO=y
# CONFIG_BLK_DEV_HD is not set

#
# SCSI device support
#
CONFIG_RAID_ATTRS=y
CONFIG_SCSI=y
# CONFIG_SCSI_PROC_FS is not set

#
# SCSI support type (disk, tape, CD-ROM)
#
CONFIG_BLK_DEV_SD=y
CONFIG_CHR_DEV_ST=y
# CONFIG_CHR_DEV_OSST is not set
# CONFIG_BLK_DEV_SR is not set
CONFIG_CHR_DEV_SG=y
CONFIG_CHR_DEV_SCH=y

#
# Some SCSI devices (e.g. CD jukebox) support multiple LUNs
#
# CONFIG_SCSI_MULTI_LUN is not set
# CONFIG_SCSI_CONSTANTS is not set
# CONFIG_SCSI_LOGGING is not set

#
# SCSI Transport Attributes
#
CONFIG_SCSI_SPI_ATTRS=y
CONFIG_SCSI_FC_ATTRS=y
# CONFIG_SCSI_ISCSI_ATTRS is not set
# CONFIG_SCSI_SAS_ATTRS is not set
```

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```
#
# SCSI low-level drivers
#
# CONFIG_ISCSI_TCP is not set
CONFIG_BLK_DEV_3W_XXXX_RAID=y
CONFIG_SCSI_3W_9XXX=y
# CONFIG_SCSI_ACARD is not set
# CONFIG_SCSI_AACRAID is not set
CONFIG_SCSI_AIC7XXX=y
CONFIG_AIC7XXX_CMDS_PER_DEVICE=32
CONFIG_AIC7XXX_RESET_DELAY_MS=15000
CONFIG_AIC7XXX_DEBUG_ENABLE=y
CONFIG_AIC7XXX_DEBUG_MASK=0
CONFIG_AIC7XXX_REG_PRETTY_PRINT=y
# CONFIG_SCSI_AIC7XXX_OLD is not set
CONFIG_SCSI_AIC79XX=y
CONFIG_AIC79XX_CMDS_PER_DEVICE=32
CONFIG_AIC79XX_RESET_DELAY_MS=4000
# CONFIG_AIC79XX_ENABLE_RD_STRM is not set
# CONFIG_AIC79XX_DEBUG_ENABLE is not set
CONFIG_AIC79XX_DEBUG_MASK=0
# CONFIG_AIC79XX_REG_PRETTY_PRINT is not set
# CONFIG_MEGARAID_NEWGEN is not set
# CONFIG_MEGARAID_LEGACY is not set
# CONFIG_MEGARAID_SAS is not set
CONFIG_SCSI_SATA=y
# CONFIG_SCSI_SATA_AHCI is not set
# CONFIG_SCSI_SATA_SVW is not set
CONFIG_SCSI_ATA_PIIX=y
# CONFIG_SCSI_SATA_MV is not set
# CONFIG_SCSI_SATA_NV is not set
# CONFIG_SCSI_PDC_ADMA is not set
# CONFIG_SCSI_SATA_QSTOR is not set
# CONFIG_SCSI_SATA_PROMISE is not set
# CONFIG_SCSI_SATA_SX4 is not set
# CONFIG_SCSI_SATA_SIL is not set
# CONFIG_SCSI_SATA_SIL24 is not set
# CONFIG_SCSI_SATA_SIS is not set
# CONFIG_SCSI_SATA_ULI is not set
CONFIG_SCSI_SATA_VIA=y
# CONFIG_SCSI_SATA_VITESSE is not set
CONFIG_SCSI_SATA_INTEL_COMBINED=y
# CONFIG_SCSI_BUSLOGIC is not set
# CONFIG_SCSI_DM3191D is not set
# CONFIG_SCSI_EATA is not set
# CONFIG_SCSI_FUTURE_DOMAIN is not set
# CONFIG_SCSI_GDTH is not set
# CONFIG_SCSI_IPS is not set
# CONFIG_SCSI_INITIO is not set
# CONFIG_SCSI_INIA100 is not set
# CONFIG_SCSI_SYM53C8XX_2 is not set
```

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```
# CONFIG_SCSI_IPR is not set
# CONFIG_SCSI_QLOGIC_FC is not set
# CONFIG_SCSI_QLOGIC_1280 is not set
# CONFIG_SCSI_QLA_FC is not set
# CONFIG_SCSI_LPFC is not set
# CONFIG_SCSI_DC395x is not set
# CONFIG_SCSI_DC390T is not set
# CONFIG_SCSI_DEBUG is not set
```

```
#
# Multi-device support (RAID and LVM)
```

```
#
CONFIG_MD=y
CONFIG_BLK_DEV_MD=y
CONFIG_MD_LINEAR=y
CONFIG_MD_RAID0=y
CONFIG_MD_RAID1=y
# CONFIG_MD_RAID10 is not set
CONFIG_MD_RAID5=y
# CONFIG_MD_RAID6 is not set
# CONFIG_MD_MULTIPATH is not set
# CONFIG_MD_FAULTY is not set
CONFIG_BLK_DEV_DM=y
# CONFIG_DM_CRYPT is not set
# CONFIG_DM_SNAPSHOT is not set
# CONFIG_DM_MIRROR is not set
# CONFIG_DM_ZERO is not set
# CONFIG_DM_MULTIPATH is not set
```

```
#
# Fusion MPT device support
```

```
#
CONFIG_FUSION=y
# CONFIG_FUSION_SPI is not set
CONFIG_FUSION_FC=y
# CONFIG_FUSION_SAS is not set
CONFIG_FUSION_MAX_SGE=128
# CONFIG_FUSION_CTL is not set
# CONFIG_FUSION_LAN is not set
```

```
#
# IEEE 1394 (FireWire) support
```

```
#
# CONFIG_IEEE1394 is not set
```

```
#
# I2O device support
```

```
#
# CONFIG_I2O is not set
```

```
#
```

[OOPS] amrestore dies in kmem_cache_free 2.6.16.18 – cannot restore backups!

[OOPS] amrestore dies in kmem_cache_free 2.6.16.18 – cannot restore backups!

```
# Network device support
#
CONFIG_NETDEVICES=y
# CONFIG_DUMMY is not set
# CONFIG_BONDING is not set
# CONFIG_EQUALIZER is not set
CONFIG_TUN=y

#
# ARCnet devices
#
# CONFIG_ARCNET is not set

#
# PHY device support
#
# CONFIG_PHYLIB is not set

#
# Ethernet (10 or 100Mbit)
#
CONFIG_NET_ETHERNET=y
CONFIG_MII=y
# CONFIG_HAPPYMEAL is not set
# CONFIG_SUNGEM is not set
# CONFIG_CASSINI is not set
# CONFIG_NET_VENDOR_3COM is not set

#
# Tulip family network device support
#
# CONFIG_NET_TULIP is not set
# CONFIG_HP100 is not set
CONFIG_NET_PCI=y
# CONFIG_PCNET32 is not set
# CONFIG_AMD8111_ETH is not set
# CONFIG_ADAPTEC_STARFIRE is not set
# CONFIG_B44 is not set
# CONFIG_FORCEDETH is not set
# CONFIG_DGRS is not set
# CONFIG_EEPRO100 is not set
CONFIG_E100=y
# CONFIG_FEALNX is not set
# CONFIG_NATSEMI is not set
# CONFIG_NE2K_PCI is not set
# CONFIG_8139CP is not set
# CONFIG_8139TOO is not set
# CONFIG_SIS900 is not set
# CONFIG_EPIC100 is not set
# CONFIG_SUNDANCE is not set
# CONFIG_VIA_RHINE is not set
```

[OOPS] amrestore dies in kmem_cache_free 2.6.16.18 – cannot restore backups!

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```
#
# Ethernet (1000 Mbit)
#
# CONFIG_ACENIC is not set
# CONFIG_DL2K is not set
# CONFIG_E1000 is not set
# CONFIG_NS83820 is not set
# CONFIG_HAMACHI is not set
# CONFIG_YELLOWFIN is not set
# CONFIG_R8169 is not set
# CONFIG_SIS190 is not set
# CONFIG_SKGE is not set
# CONFIG_SKY2 is not set
# CONFIG_SK98LIN is not set
# CONFIG_VIA_VELOCITY is not set
CONFIG_TIGON3=y
# CONFIG_BNX2 is not set

#
# Ethernet (10000 Mbit)
#
# CONFIG_CHELSIO_T1 is not set
# CONFIG_IXGB is not set
CONFIG_S2IO=m
# CONFIG_S2IO_NAPI is not set

#
# Token Ring devices
#
# CONFIG_TR is not set

#
# Wireless LAN (non-hamradio)
#
# CONFIG_NET_RADIO is not set

#
# Wan interfaces
#
# CONFIG_WAN is not set
# CONFIG_FDDI is not set
# CONFIG_HIPPI is not set
# CONFIG_PPP is not set
# CONFIG_SLIP is not set
CONFIG_NET_FC=y
# CONFIG_SHAPER is not set
CONFIG_NETCONSOLE=y
CONFIG_NETPOLL=y
# CONFIG_NETPOLL_RX is not set
# CONFIG_NETPOLL_TRAP is not set
```

[OOPS] amrestore dies in kmem_cache_free 2.6.16.18 – cannot restore backups!

[OOPS] amrestore dies in kmem_cache_free 2.6.16.18 – cannot restore backups!

```
CONFIG_NET_POLL_CONTROLLER=y

#
# ISDN subsystem
#
# CONFIG_ISDN is not set

#
# Telephony Support
#
# CONFIG_PHONE is not set

#
# Input device support
#
CONFIG_INPUT=y

#
# Userland interfaces
#
CONFIG_INPUT_MOUSEDEV=y
CONFIG_INPUT_MOUSEDEV_PSAUX=y
CONFIG_INPUT_MOUSEDEV_SCREEN_X=1024
CONFIG_INPUT_MOUSEDEV_SCREEN_Y=768
# CONFIG_INPUT_JOYDEV is not set
# CONFIG_INPUT_TSDEV is not set
CONFIG_INPUT_EVDEV=y
# CONFIG_INPUT_EVBUG is not set

#
# Input Device Drivers
#
CONFIG_INPUT_KEYBOARD=y
CONFIG_KEYBOARD_ATKBD=y
# CONFIG_KEYBOARD_SUNKBD is not set
# CONFIG_KEYBOARD_LKKBD is not set
# CONFIG_KEYBOARD_XTKBD is not set
# CONFIG_KEYBOARD_NEWTON is not set
CONFIG_INPUT_MOUSE=y
CONFIG_MOUSE_PS2=y
# CONFIG_MOUSE_SERIAL is not set
# CONFIG_MOUSE_VSXXXAA is not set
# CONFIG_INPUT_JOYSTICK is not set
# CONFIG_INPUT_TOUCHSCREEN is not set
# CONFIG_INPUT_MISC is not set

#
# Hardware I/O ports
#
CONFIG_SERIO=y
CONFIG_SERIO_I8042=y
```

[OOPS] amrestore dies in kmem_cache_free 2.6.16.18 – cannot restore backups!

[OOPS] amrestore dies in kmem_cache_free 2.6.16.18 – cannot restore backups!

```
# CONFIG_SERIO_SERPORT is not set
# CONFIG_SERIO_CT82C710 is not set
# CONFIG_SERIO_PCIPS2 is not set
CONFIG_SERIO_LIBPS2=y
# CONFIG_SERIO_RAW is not set
# CONFIG_GAMEPORT is not set

#
# Character devices
#
CONFIG_VT=y
CONFIG_VT_CONSOLE=y
CONFIG_HW_CONSOLE=y
# CONFIG_SERIAL_NONSTANDARD is not set

#
# Serial drivers
#
CONFIG_SERIAL_8250=y
CONFIG_SERIAL_8250_CONSOLE=y
# CONFIG_SERIAL_8250_ACPI is not set
CONFIG_SERIAL_8250_NR_UARTS=4
CONFIG_SERIAL_8250_RUNTIME_UARTS=4
# CONFIG_SERIAL_8250_EXTENDED is not set

#
# Non-8250 serial port support
#
CONFIG_SERIAL_CORE=y
CONFIG_SERIAL_CORE_CONSOLE=y
# CONFIG_SERIAL_JSM is not set
CONFIG_UNIX98_PTYS=y
CONFIG_LEGACY_PTYS=y
CONFIG_LEGACY_PTY_COUNT=256

#
# IPMI
#
# CONFIG_IPMI_HANDLER is not set

#
# Watchdog Cards
#
# CONFIG_WATCHDOG is not set
CONFIG_HW_RANDOM=y
# CONFIG_NVRAM is not set
CONFIG_RTC=y
# CONFIG_DTLK is not set
# CONFIG_R3964 is not set
# CONFIG_APPLICOM is not set
```

[OOPS] amrestore dies in kmem_cache_free 2.6.16.18 – cannot restore backups!

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```
#
# Ftape, the floppy tape device driver
#
CONFIG_AGP=y
CONFIG_AGP_AMD64=y
CONFIG_AGP_INTEL=y
# CONFIG_DRM is not set
# CONFIG_MWAVE is not set
CONFIG_RAW_DRIVER=y
CONFIG_MAX_RAW_DEVS=256
CONFIG_HPET=y
# CONFIG_HPET_RTC_IRQ is not set
CONFIG_HPET_MMAP=y
# CONFIG_HANGCHECK_TIMER is not set

#
# TPM devices
#
# CONFIG_TCG_TPM is not set
# CONFIG_TELCLOCK is not set

#
# I2C support
#
# CONFIG_I2C is not set

#
# SPI support
#
# CONFIG_SPI is not set
# CONFIG_SPI_MASTER is not set

#
# Dallas's 1-wire bus
#
# CONFIG_W1 is not set

#
# Hardware Monitoring support
#
CONFIG_HWMON=y
# CONFIG_HWMON_VID is not set
# CONFIG_SENSORS_F71805F is not set
# CONFIG_SENSORS_HDAPS is not set
# CONFIG_HWMON_DEBUG_CHIP is not set

#
# Misc devices
#
# CONFIG_IBM_ASM is not set
```

[OOPS] amrestore dies in kmem_cache_free 2.6.16.18 – cannot restore backups!

[OOPS] amrestore dies in kmem_cache_free 2.6.16.18 – cannot restore backups!

```
#
# Multimedia Capabilities Port drivers
#
#
# Multimedia devices
#
# CONFIG_VIDEO_DEV is not set
#
# Digital Video Broadcasting Devices
#
# CONFIG_DVB is not set
#
# Graphics support
#
# CONFIG_FB is not set
CONFIG_VIDEO_SELECT=y
#
# Console display driver support
#
CONFIG_VGA_CONSOLE=y
CONFIG_DUMMY_CONSOLE=y
#
# Sound
#
# CONFIG_SOUND is not set
#
# USB support
#
CONFIG_USB_ARCH_HAS_HCD=y
CONFIG_USB_ARCH_HAS_OHCI=y
CONFIG_USB=y
# CONFIG_USB_DEBUG is not set
#
# Miscellaneous USB options
#
CONFIG_USB_DEVICEFS=y
# CONFIG_USB_BANDWIDTH is not set
# CONFIG_USB_DYNAMIC_MINORS is not set
# CONFIG_USB_SUSPEND is not set
# CONFIG_USB_OTG is not set
#
# USB Host Controller Drivers
#
```

[OOPS] amrestore dies in kmem_cache_free 2.6.16.18 – cannot restore backups!

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```
CONFIG_USB_EHCI_HCD=y
# CONFIG_USB_EHCI_SPLIT_ISO is not set
# CONFIG_USB_EHCI_ROOT_HUB_TT is not set
# CONFIG_USB_ISP116X_HCD is not set
CONFIG_USB_OHCI_HCD=y
# CONFIG_USB_OHCI_BIG_ENDIAN is not set
CONFIG_USB_OHCI_LITTLE_ENDIAN=y
CONFIG_USB_UHCI_HCD=y
# CONFIG_USB_SL811_HCD is not set

#
# USB Device Class drivers
#
# CONFIG_USB_ACM is not set
CONFIG_USB_PRINTER=y

#
# NOTE: USB_STORAGE enables SCSI, and 'SCSI disk support'
#

#
# may also be needed; see USB_STORAGE Help for more information
#
CONFIG_USB_STORAGE=y
# CONFIG_USB_STORAGE_DEBUG is not set
# CONFIG_USB_STORAGE_DATAFAB is not set
# CONFIG_USB_STORAGE_FREECOM is not set
# CONFIG_USB_STORAGE_ISD200 is not set
# CONFIG_USB_STORAGE_DPCM is not set
# CONFIG_USB_STORAGE_USBAT is not set
# CONFIG_USB_STORAGE_SDDR09 is not set
# CONFIG_USB_STORAGE_SDDR55 is not set
# CONFIG_USB_STORAGE_JUMPSHOT is not set
# CONFIG_USB_STORAGE_ALAUDA is not set
# CONFIG_USB_LIBUSUAL is not set

#
# USB Input Devices
#
CONFIG_USB_HID=y
CONFIG_USB_HIDINPUT=y
# CONFIG_USB_HIDINPUT_POWERBOOK is not set
# CONFIG_HID_FF is not set
# CONFIG_USB_HIDDEV is not set
# CONFIG_USB_AIPTEK is not set
# CONFIG_USB_WACOM is not set
# CONFIG_USB_ACECAD is not set
# CONFIG_USB_KBTAB is not set
# CONFIG_USB_POWERMATE is not set
# CONFIG_USB_MTOUCH is not set
# CONFIG_USB_ITMTOUCH is not set
```

[OOPS] amrestore dies in kmem_cache_free 2.6.16.18 – cannot restore backups!

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```
# CONFIG_USB_EGALAX is not set
# CONFIG_USB_YEALINK is not set
# CONFIG_USB_XPAD is not set
# CONFIG_USB_ATI_REMOTE is not set
# CONFIG_USB_ATI_REMOTE2 is not set
# CONFIG_USB_KEYSPAN_REMOTE is not set
# CONFIG_USB_APPLETOUCH is not set

#
# USB Imaging devices
#
# CONFIG_USB_MDC800 is not set
# CONFIG_USB_MICROTEK is not set

#
# USB Multimedia devices
#
# CONFIG_USB_DABUSB is not set

#
# Video4Linux support is needed for USB Multimedia device support
#

#
# USB Network Adapters
#
# CONFIG_USB_CATC is not set
# CONFIG_USB_KAWETH is not set
# CONFIG_USB_PEGASUS is not set
# CONFIG_USB_RTL8150 is not set
# CONFIG_USB_USBNET is not set
CONFIG_USB_MON=y

#
# USB port drivers
#

#
# USB Serial Converter support
#
# CONFIG_USB_SERIAL is not set

#
# USB Miscellaneous drivers
#
# CONFIG_USB_EMI62 is not set
# CONFIG_USB_EMI26 is not set
# CONFIG_USB_AUERSWALD is not set
# CONFIG_USB_RIO500 is not set
# CONFIG_USB_LEGOTOWER is not set
# CONFIG_USB_LCD is not set
```

[OOPS] amrestore dies in kmem_cache_free 2.6.16.18 – cannot restore backups!

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```
# CONFIG_USB_LED is not set
# CONFIG_USB_CYTHERM is not set
# CONFIG_USB_PHIDGETKIT is not set
# CONFIG_USB_PHIDGETSERVO is not set
# CONFIG_USB_IDMOUSE is not set
# CONFIG_USB_SISUSBVGA is not set
# CONFIG_USB_LD is not set
# CONFIG_USB_TEST is not set

#
# USB DSL modem support
#

#
# USB Gadget Support
#
# CONFIG_USB_GADGET is not set

#
# MMC/SD Card support
#
# CONFIG_MMC is not set

#
# InfiniBand support
#
# CONFIG_INFINIBAND is not set

#
# EDAC – error detection and reporting (RAS) (EXPERIMENTAL)
#
# CONFIG_EDAC is not set

#
# Firmware Drivers
#
# CONFIG_EDD is not set
# CONFIG_DELL_RBU is not set
# CONFIG_DCDBAS is not set

#
# File systems
#
CONFIG_EXT2_FS=y
CONFIG_EXT2_FS_XATTR=y
CONFIG_EXT2_FS_POSIX_ACL=y
# CONFIG_EXT2_FS_SECURITY is not set
# CONFIG_EXT2_FS_XIP is not set
CONFIG_EXT3_FS=y
CONFIG_EXT3_FS_XATTR=y
CONFIG_EXT3_FS_POSIX_ACL=y
```

[OOPS] amrestore dies in kmem_cache_free 2.6.16.18 – cannot restore backups!

[OOPS] amrestore dies in kmem_cache_free 2.6.16.18 – cannot restore backups!

```
# CONFIG_EXT3_FS_SECURITY is not set
CONFIG_JBD=y
# CONFIG_JBD_DEBUG is not set
CONFIG_FS_MBCACHE=y
CONFIG_REISERFS_FS=y
# CONFIG_REISERFS_CHECK is not set
# CONFIG_REISERFS_PROC_INFO is not set
CONFIG_REISERFS_FS_XATTR=y
CONFIG_REISERFS_FS_POSIX_ACL=y
# CONFIG_REISERFS_FS_SECURITY is not set
# CONFIG_JFS_FS is not set
CONFIG_FS_POSIX_ACL=y
CONFIG_XFS_FS=y
CONFIG_XFS_EXPORT=y
CONFIG_XFS_QUOTA=y
CONFIG_XFS_SECURITY=y
CONFIG_XFS_POSIX_ACL=y
# CONFIG_XFS_RT is not set
# CONFIG_OCFS2_FS is not set
# CONFIG_MINIX_FS is not set
# CONFIG_ROMFS_FS is not set
CONFIG_INOTIFY=y
# CONFIG_QUOTA is not set
CONFIG_QUOTACTL=y
CONFIG_DNOTIFY=y
CONFIG_AUTOFS_FS=y
# CONFIG_AUTOFS4_FS is not set
# CONFIG_FUSE_FS is not set

#
# CD-ROM/DVD Filesystems
#
CONFIG_ISO9660_FS=y
CONFIG_JOLIET=y
# CONFIG_ZISOFS is not set
# CONFIG_UDF_FS is not set

#
# DOS/FAT/NT Filesystems
#
CONFIG_FAT_FS=y
CONFIG_MSDOS_FS=y
CONFIG_VFAT_FS=y
CONFIG_FAT_DEFAULT_CODEPAGE=437
CONFIG_FAT_DEFAULT_IOCHARSET="iso8859-1"
CONFIG_NTFS_FS=m
# CONFIG_NTFS_DEBUG is not set
# CONFIG_NTFS_RW is not set

#
# Pseudo filesystems
```

[OOPS] amrestore dies in kmem_cache_free 2.6.16.18 – cannot restore backups!

[OOPS] amrestore dies in kmem_cache_free 2.6.16.18 – cannot restore backups!

```
#
CONFIG_PROC_FS=y
CONFIG_PROC_KCORE=y
CONFIG_SYSFS=y
CONFIG_TMPFS=y
CONFIG_HUGETLBFS=y
CONFIG_HUGETLB_PAGE=y
CONFIG_RAMFS=y
# CONFIG_RELAYFS_FS is not set
# CONFIG_CONFIGFS_FS is not set

#
# Miscellaneous filesystems
#
# CONFIG_ADFS_FS is not set
# CONFIG_AFFS_FS is not set
# CONFIG_HFS_FS is not set
# CONFIG_HFSPLUS_FS is not set
# CONFIG_BEFS_FS is not set
# CONFIG_BFS_FS is not set
# CONFIG_EFS_FS is not set
# CONFIG_CRAMFS is not set
# CONFIG_VXFS_FS is not set
# CONFIG_HPFS_FS is not set
# CONFIG_QNX4FS_FS is not set
# CONFIG_SYSV_FS is not set
# CONFIG_UFS_FS is not set

#
# Network File Systems
#
CONFIG_NFS_FS=y
CONFIG_NFS_V3=y
# CONFIG_NFS_V3_ACL is not set
# CONFIG_NFS_V4 is not set
# CONFIG_NFS_DIRECTIO is not set
CONFIG_NFSD=y
CONFIG_NFSD_V3=y
# CONFIG_NFSD_V3_ACL is not set
# CONFIG_NFSD_V4 is not set
CONFIG_NFSD_TCP=y
CONFIG_ROOT_NFS=y
CONFIG_LOCKD=y
CONFIG_LOCKD_V4=y
CONFIG_EXPORTFS=y
CONFIG_NFS_COMMON=y
CONFIG_SUNRPC=y
# CONFIG_RPCSEC_GSS_KRB5 is not set
# CONFIG_RPCSEC_GSS_SPKM3 is not set
CONFIG_SMB_FS=y
# CONFIG_SMB_NLS_DEFAULT is not set
```

[OOPS] amrestore dies in kmem_cache_free 2.6.16.18 – cannot restore backups!

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```
# CONFIG_CIFS is not set
# CONFIG_NCP_FS is not set
# CONFIG_CODA_FS is not set
# CONFIG_AFS_FS is not set
# CONFIG_9P_FS is not set

#
# Partition Types
#
# CONFIG_PARTITION_ADVANCED is not set
CONFIG_MSDOS_PARTITION=y

#
# Native Language Support
#
CONFIG_NLS=y
CONFIG_NLS_DEFAULT="iso8859-1"
CONFIG_NLS_CODEPAGE_437=y
# CONFIG_NLS_CODEPAGE_737 is not set
# CONFIG_NLS_CODEPAGE_775 is not set
# CONFIG_NLS_CODEPAGE_850 is not set
# CONFIG_NLS_CODEPAGE_852 is not set
# CONFIG_NLS_CODEPAGE_855 is not set
# CONFIG_NLS_CODEPAGE_857 is not set
# CONFIG_NLS_CODEPAGE_860 is not set
# CONFIG_NLS_CODEPAGE_861 is not set
# CONFIG_NLS_CODEPAGE_862 is not set
# CONFIG_NLS_CODEPAGE_863 is not set
# CONFIG_NLS_CODEPAGE_864 is not set
# CONFIG_NLS_CODEPAGE_865 is not set
# CONFIG_NLS_CODEPAGE_866 is not set
# CONFIG_NLS_CODEPAGE_869 is not set
# CONFIG_NLS_CODEPAGE_936 is not set
# CONFIG_NLS_CODEPAGE_950 is not set
# CONFIG_NLS_CODEPAGE_932 is not set
# CONFIG_NLS_CODEPAGE_949 is not set
# CONFIG_NLS_CODEPAGE_874 is not set
# CONFIG_NLS_ISO8859_8 is not set
# CONFIG_NLS_CODEPAGE_1250 is not set
# CONFIG_NLS_CODEPAGE_1251 is not set
CONFIG_NLS_ASCII=y
CONFIG_NLS_ISO8859_1=y
# CONFIG_NLS_ISO8859_2 is not set
# CONFIG_NLS_ISO8859_3 is not set
# CONFIG_NLS_ISO8859_4 is not set
# CONFIG_NLS_ISO8859_5 is not set
# CONFIG_NLS_ISO8859_6 is not set
# CONFIG_NLS_ISO8859_7 is not set
# CONFIG_NLS_ISO8859_9 is not set
# CONFIG_NLS_ISO8859_13 is not set
# CONFIG_NLS_ISO8859_14 is not set
```

[OOPS] amrestore dies in kmem_cache_free 2.6.16.18 – cannot restore backups!

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```
CONFIG_NLS_ISO8859_15=y
# CONFIG_NLS_KOI8_R is not set
# CONFIG_NLS_KOI8_U is not set
CONFIG_NLS_UTF8=y

#
# Instrumentation Support
#
# CONFIG_PROFILING is not set
# CONFIG_KPROBES is not set

#
# Kernel hacking
#
# CONFIG_PRINTK_TIME is not set
CONFIG_MAGIC_SYSRQ=y
# CONFIG_DEBUG_KERNEL is not set
CONFIG_LOG_BUF_SHIFT=15

#
# Security options
#
# CONFIG_KEYS is not set
# CONFIG_SECURITY is not set

#
# Cryptographic options
#
# CONFIG_CRYPTOD is not set

#
# Hardware crypto devices
#

#
# Library routines
#
# CONFIG_CRC_CCITT is not set
# CONFIG_CRC16 is not set
CONFIG_CRC32=y
# CONFIG_LIBCRC32C is not set
```

```
lspci -vvv:
00:00.0 Memory controller: nVidia Corporation CK804 Memory Controller (rev a3)
Subsystem: Tyan Computer Unknown device 2892
Control: I/O- Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop-
ParErr- Stepping- SERR- FastB2B-
Status: Cap+ 66MHz+ UDF- FastB2B+ ParErr- DEVSEL=fast >TAbort-
<TAbort- <MAbort- >SERR- <PERR-
Latency: 0
Capabilities: [44] HyperTransport: Slave or Primary Interface
```

[OOPS] amrestore dies in kmem_cache_free 2.6.16.18 – cannot restore backups!

[OOPS] amrestore dies in kmem_cache_free 2.6.16.18 – cannot restore backups!

Command: BaseUnitID=0 UnitCnt=15 MastHost– DefDir– DUL–
Link Control 0: CFIE+ CST– CFE– <LkFail– Init+ EOC–
TXO– <CRCErr=0 IsocEn– LSEn– ExtCTL– 64b–
Link Config 0: MLWI=16bit DwFcIn– MLWO=16bit DwFcOut–
LWI=16bit DwFcInEn– LWO=16bit DwFcOutEn–
Link Control 1: CFIE– CST– CFE– <LkFail+ Init– EOC+
TXO+ <CRCErr=0 IsocEn– LSEn– ExtCTL– 64b–
Link Config 1: MLWI=8bit DwFcIn– MLWO=8bit DwFcOut–
LWI=8bit DwFcInEn– LWO=8bit DwFcOutEn–
Revision ID: 1.03
Link Frequency 0: 800MHz
Link Error 0: <Prot– <Ovfl– <EOC– CTLTm–
Link Frequency Capability 0: 200MHz+ 300MHz+ 400MHz+
500MHz+ 600MHz+ 800MHz+ 1.0GHz+ 1.2GHz– 1.4GHz– 1.6GHz– Vend–
Feature Capability: IsocFC+ LDTSTOP+ CRCTM– ECTLT– 64bA– UIDRD–
Link Frequency 1: 200MHz
Link Error 1: <Prot– <Ovfl– <EOC– CTLTm–
Link Frequency Capability 1: 200MHz– 300MHz– 400MHz–
500MHz– 600MHz– 800MHz– 1.0GHz– 1.2GHz– 1.4GHz– 1.6GHz– Vend–
Error Handling: PFIE+ OFIE+ PFE– OFE– EOCFE– RFE–
CRCFE– SERRFE– CF– RE– PNFE– ONFE– EOCNFE– RNFE– CRCNFE– SERRNFE–
Prefetchable memory behind bridge Upper: 00–00
Bus Number: 00
Capabilities: [e0] HyperTransport: MSI Mapping

00:01.0 ISA bridge: nVidia Corporation CK804 ISA Bridge (rev a3)
Subsystem: Tyan Computer Unknown device 2892
Control: I/O+ Mem+ BusMaster+ SpecCycle+ MemWINV– VGASnoop–
ParErr– Stepping– SERR– FastB2B–
Status: Cap– 66MHz+ UDF– FastB2B+ ParErr– DEVSEL=fast >TAbort–
<TAbort– <MAbort– >SERR– <PERR–
Latency: 0
Region 0: I/O ports at 8c00 [size=128]

00:01.1 SMBus: nVidia Corporation CK804 SMBus (rev a2)
Subsystem: Tyan Computer Unknown device 2892
Control: I/O+ Mem– BusMaster– SpecCycle– MemWINV– VGASnoop–
ParErr– Stepping– SERR– FastB2B–
Status: Cap+ 66MHz+ UDF– FastB2B+ ParErr– DEVSEL=fast >TAbort–
<TAbort– <MAbort– >SERR– <PERR–
Interrupt: pin A routed to IRQ 0
Region 0: I/O ports at 1000 [size=32]
Region 4: I/O ports at 5000 [size=64]
Region 5: I/O ports at 5040 [size=64]
Capabilities: [44] Power Management version 2
Flags: PMEClk– DSI– D1– D2– AuxCurrent=0mA
PME(D0–,D1–,D2–,D3hot+,D3cold+)
Status: D0 PME–Enable– DSel=0 DScale=0 PME–

00:02.0 USB Controller: nVidia Corporation CK804 USB Controller (rev
a2) (prog–if 10 [OHCI])

[OOPS] amrestore dies in kmem_cache_free 2.6.16.18 – cannot restore backups!

Subsystem: Tyan Computer Unknown device 2892
Control: I/O+ Mem+ BusMaster+ SpecCycle– MemWINV– VGASnoop–
ParErr– Stepping– SERR– FastB2B–
Status: Cap+ 66MHz+ UDF– FastB2B+ ParErr– DEVSEL=fast >TAbort–
<TAbort– <MAbort– >SERR– <PERR–
Latency: 0 (750ns min, 250ns max)
Interrupt: pin A routed to IRQ 50
Region 0: Memory at dd000000 (32–bit, non–prefetchable) [size=4K]
Capabilities: [44] Power Management version 2
Flags: PMEClk– DSI– D1+ D2+ AuxCurrent=0mA
PME(D0+,D1+,D2+,D3hot+,D3cold+)
Status: D0 PME–Enable– DSel=0 DScale=0 PME–

00:02.1 USB Controller: nVidia Corporation CK804 USB Controller (rev
a3) (prog–if 20 [EHCI])
Subsystem: Tyan Computer Unknown device 2892
Control: I/O– Mem+ BusMaster+ SpecCycle– MemWINV– VGASnoop–
ParErr– Stepping– SERR– FastB2B–
Status: Cap+ 66MHz+ UDF– FastB2B+ ParErr– DEVSEL=fast >TAbort–
<TAbort– <MAbort– >SERR– <PERR–
Latency: 0 (750ns min, 250ns max)
Interrupt: pin B routed to IRQ 233
Region 0: Memory at dd001000 (32–bit, non–prefetchable) [size=256]
Capabilities: [44] Debug port
Capabilities: [80] Power Management version 2
Flags: PMEClk– DSI– D1+ D2+ AuxCurrent=0mA
PME(D0+,D1+,D2+,D3hot+,D3cold+)
Status: D0 PME–Enable– DSel=0 DScale=0 PME–

00:06.0 IDE interface: nVidia Corporation CK804 IDE (rev a2) (prog–if
8a [Master SecP PriP])
Subsystem: Tyan Computer Unknown device 2892
Control: I/O+ Mem– BusMaster+ SpecCycle– MemWINV– VGASnoop–
ParErr– Stepping– SERR– FastB2B–
Status: Cap+ 66MHz+ UDF– FastB2B+ ParErr– DEVSEL=fast >TAbort–
<TAbort– <MAbort– >SERR– <PERR–
Latency: 0 (750ns min, 250ns max)
Region 4: I/O ports at 1400 [size=16]
Capabilities: [44] Power Management version 2
Flags: PMEClk– DSI– D1– D2– AuxCurrent=0mA
PME(D0–,D1–,D2–,D3hot–,D3cold–)
Status: D0 PME–Enable– DSel=0 DScale=0 PME–

00:07.0 IDE interface: nVidia Corporation CK804 Serial ATA Controller
(rev a3) (prog–if 85 [Master SecO PriO])
Subsystem: Tyan Computer Unknown device 2892
Control: I/O+ Mem+ BusMaster+ SpecCycle– MemWINV– VGASnoop–
ParErr– Stepping– SERR– FastB2B–
Status: Cap+ 66MHz+ UDF– FastB2B+ ParErr– DEVSEL=fast >TAbort–
<TAbort– <MAbort– >SERR– <PERR–
Latency: 0 (750ns min, 250ns max)

Interrupt: pin A routed to IRQ 10
Region 0: I/O ports at 1440 [size=8]
Region 1: I/O ports at 1434 [size=4]
Region 2: I/O ports at 1438 [size=8]
Region 3: I/O ports at 1430 [size=4]
Region 4: I/O ports at 1410 [size=16]
Region 5: Memory at dd002000 (32-bit, non-prefetchable) [size=4K]
Capabilities: [44] Power Management version 2
Flags: PMEClk- DSI- D1- D2- AuxCurrent=0mA
PME(D0-,D1-,D2-,D3hot-,D3cold-)
Status: D0 PME-Enable- DSel=0 DScale=0 PME-

00:08.0 IDE interface: nVidia Corporation CK804 Serial ATA Controller
(rev a3) (prog-if 85 [Master SecO PriO])
Subsystem: Tyan Computer Unknown device 2892
Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop-
ParErr- Stepping- SERR- FastB2B-
Status: Cap+ 66MHz+ UDF- FastB2B+ ParErr- DEVSEL=fast >TAbort-
<TAbort- <MAbort- >SERR- <PERR-
Latency: 0 (750ns min, 250ns max)
Interrupt: pin A routed to IRQ 11
Region 0: I/O ports at 1458 [size=8]
Region 1: I/O ports at 144c [size=4]
Region 2: I/O ports at 1450 [size=8]
Region 3: I/O ports at 1448 [size=4]
Region 4: I/O ports at 1420 [size=16]
Region 5: Memory at dd003000 (32-bit, non-prefetchable) [size=4K]
Capabilities: [44] Power Management version 2
Flags: PMEClk- DSI- D1- D2- AuxCurrent=0mA
PME(D0-,D1-,D2-,D3hot-,D3cold-)
Status: D0 PME-Enable- DSel=0 DScale=0 PME-

00:09.0 PCI bridge: nVidia Corporation CK804 PCI Bridge (rev a2)
(prog-if 01 [Subtractive decode])
Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop-
ParErr- Stepping- SERR+ FastB2B-
Status: Cap- 66MHz+ UDF- FastB2B+ ParErr- DEVSEL=fast >TAbort-
<TAbort- <MAbort- >SERR- <PERR-
Latency: 0
Bus: primary=00, secon