

## 2.6.15-mm3 hangs during boot (raid related?)

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/Kernel/2006-01/msg04660.html>

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  - *Date:* Thu, 12 Jan 2006 07:23:10 +0100
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2.6.15-mm3 hangs during boot for me, after the lines

```
=====
md4: bitmap initialized from disk: read 15/15 pages, set 51 bits, status: 0
created bitmap (224 pages) for device md4
=====
```

ctrl-alt-del to reboot works sometimes (2 out of 3). Below is complete dmesg (from 2.6.15-mm2, ver\_linux output, .config and raid details).

Kind regards,  
Jurriaan

```
Linux version 2.6.15-mm2 (jurriaan@adsl-gate) (gcc version 4.0.3 20060104 (prerelease) (Debian 4.0.2-6))
#2 SMP Sun Jan 8 08:57:36 CET 2006
BIOS-provided physical RAM map:
BIOS-e820: 0000000000000000 - 000000000009bc00 (usable)
BIOS-e820: 000000000009bc00 - 00000000000a0000 (reserved)
BIOS-e820: 00000000000f0000 - 0000000000100000 (reserved)
BIOS-e820: 0000000000100000 - 0000000003fff000 (usable)
BIOS-e820: 0000000003fff000 - 0000000003fff3000 (ACPI NVS)
BIOS-e820: 0000000003fff3000 - 0000000040000000 (ACPI data)
BIOS-e820: 00000000fec00000 - 0000000100000000 (reserved)
127MB HIGHMEM available.
896MB LOWMEM available.
found SMP MP-table at 000f5810
On node 0 totalpages: 262128
DMA zone: 4096 pages, LIFO batch:0
DMA32 zone: 0 pages, LIFO batch:0
Normal zone: 225280 pages, LIFO batch:31
HighMem zone: 32752 pages, LIFO batch:7
DMI 2.2 present.
ACPI: RSDP (v000 IntelR ) @ 0x000f7330
ACPI: RSDT (v001 IntelR AWRDACPI 0x42302e31 AWRD 0x00000000) @ 0x3fff3000
ACPI: FADT (v001 IntelR AWRDACPI 0x42302e31 AWRD 0x00000000) @ 0x3fff3040
ACPI: MADT (v001 IntelR AWRDACPI 0x42302e31 AWRD 0x00000000) @ 0x3fff7400
ACPI: DSDT (v001 INTEL R AWRDACPI 0x00001000 MSFT 0x0100000e) @ 0x00000000
ACPI: PM-Timer IO Port: 0x408
```

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```
ACPI: Local APIC address 0xfee00000
ACPI: LAPIC (acpi_id[0x00] lapic_id[0x00] enabled)
Processor #0 15:2 APIC version 20
ACPI: LAPIC (acpi_id[0x01] lapic_id[0x01] enabled)
Processor #1 15:2 APIC version 20
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 32, address 0xfec00000, GSI 0–23
ACPI: INT_SRC_OVR (bus 0 bus_irq 0 global_irq 2 dfl dfl)
ACPI: INT_SRC_OVR (bus 0 bus_irq 9 global_irq 9 high level)
ACPI: IRQ0 used by override.
ACPI: IRQ2 used by override.
ACPI: IRQ9 used by override.
Enabling APIC mode: Flat. Using 1 I/O APICs
Using ACPI (MADT) for SMP configuration information
Allocating PCI resources starting at 50000000 (gap: 40000000:bec00000)
Detected 2399.880 MHz processor.
Built 1 zonelists
mapped APIC to ffffd000 (fee00000)
mapped IOAPIC to ffffc000 (fec00000)
Enabling fast FPU save and restore... done.
Enabling unmasked SIMD FPU exception support... done.
Initializing CPU#0
Kernel command line: root=/dev/md4 video=radeonfb:1600x1200-32@85 acpi=force atkbd.softrepeat=1
PID hash table entries: 4096 (order: 12, 65536 bytes)
Console: colour VGA+ 80x25
Dentry cache hash table entries: 131072 (order: 7, 524288 bytes)
Inode-cache hash table entries: 65536 (order: 6, 262144 bytes)
Memory: 1033116k/1048512k available (3870k kernel code, 14724k reserved, 1174k data, 256k init, 131008k
highmem)
Checking if this processor honours the WP bit even in supervisor mode... Ok.
Calibrating delay using timer specific routine.. 4802.50 BogoMIPS (lpj=24012524)
Mount-cache hash table entries: 512
CPU: After generic identify, caps: bfebfbff 00000000 00000000 00000000 00004400 00000000 00000000
CPU: After vendor identify, caps: bfebfbff 00000000 00000000 00000000 00004400 00000000 00000000
CPU: Trace cache: 12K uops, L1 D cache: 8K
CPU: L2 cache: 512K
CPU: Physical Processor ID: 0
CPU: After all inits, caps: bfebfbff 00000000 00000000 00000080 00004400 00000000 00000000
Intel machine check architecture supported.
Intel machine check reporting enabled on CPU#0.
CPU0: Intel P4/Xeon Extended MCE MSRs (12) available
CPU0: Thermal monitoring enabled
mtrr: v2.0 (20020519)
Checking 'hlt' instruction... OK.
CPU0: Intel(R) Pentium(R) 4 CPU 2.40GHz stepping 09
Booting processor 1/1 eip 2000
Initializing CPU#1
Calibrating delay using timer specific routine.. 4799.61 BogoMIPS (lpj=23998072)
CPU: After generic identify, caps: bfebfbff 00000000 00000000 00000000 00004400 00000000 00000000
```

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```
CPU: After vendor identify, caps: bfebfbff 00000000 00000000 00000000 00004400 00000000 00000000
CPU: Trace cache: 12K uops, L1 D cache: 8K
CPU: L2 cache: 512K
CPU: Physical Processor ID: 0
CPU: After all inits, caps: bfebfbff 00000000 00000000 00000080 00004400 00000000 00000000
Intel machine check architecture supported.
Intel machine check reporting enabled on CPU#1.
CPU1: Intel P4/Xeon Extended MCE MSRs (12) available
CPU1: Thermal monitoring enabled
CPU1: Intel(R) Pentium(R) 4 CPU 2.40GHz stepping 09
Total of 2 processors activated (9602.11 BogomIPS).
ENABLING IO-APIC IRQs
..TIMER: vector=0x31 apic1=0 pin1=2 apic2=-1 pin2=-1
checking TSC synchronization across 2 CPUs: passed.
Brought up 2 CPUs
migration_cost=141
NET: Registered protocol family 16
ACPI: bus type pci registered
PCI: PCI BIOS revision 2.10 entry at 0xfbb40, last bus=2
PCI: Using configuration type 1
ACPI: Subsystem revision 20051216
ACPI: Interpreter enabled
ACPI: Using IOAPIC for interrupt routing
ACPI: PCI Root Bridge [PCI0] (0000:00)
PCI quirk: region 0400–047f claimed by ICH4 ACPI/GPIO/TCO
PCI quirk: region 0480–04bf claimed by ICH4 GPIO
PCI: Ignoring BAR0–3 of IDE controller 0000:00:1f.1
Boot video device is 0000:01:00.0
PCI: Transparent bridge – 0000:00:1e.0
ACPI: PCI Interrupt Routing Table [_SB_.PCI0._PRT]
ACPI: PCI Interrupt Routing Table [_SB_.PCI0.HUB0._PRT]
ACPI: PCI Interrupt Link [LNKA] (IRQs 3 4 5 7 9 *10 11 12 14 15)
ACPI: PCI Interrupt Link [LNKB] (IRQs 3 4 5 7 *9 10 11 12 14 15)
ACPI: PCI Interrupt Link [LNKC] (IRQs 3 4 5 *7 9 10 11 12 14 15)
ACPI: PCI Interrupt Link [LNKD] (IRQs 3 4 5 7 9 *10 11 12 14 15)
ACPI: PCI Interrupt Link [LNKE] (IRQs 3 4 5 7 9 10 11 12 14 15) *0, disabled.
ACPI: PCI Interrupt Link [LNKF] (IRQs 3 4 5 7 9 10 *11 12 14 15)
ACPI: PCI Interrupt Link [LNK0] (IRQs 3 4 5 7 9 10 *11 12 14 15)
ACPI: PCI Interrupt Link [LNK1] (IRQs 3 4 *5 7 9 10 11 12 14 15)
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: Bridge: 0000:00:01.0
IO window: b000–bfff
MEM window: f8000000–f9ffffff
PREFETCH window: d0000000–efffffff
PCI: Bridge: 0000:00:1e.0
IO window: 9000–afff
MEM window: fa000000–fbffffff
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```
PREFETCH window: 50000000–500ffff
PCI: Setting latency timer of device 0000:00:1e.0 to 64
highmem bounce pool size: 64 pages
Loading Reiser4. See www.namesys.com for a description of Reiser4.
Installing knfsd (copyright (C) 1996 okir@xxxxxxxxxxxx).
io scheduler noop registered
io scheduler anticipatory registered
io scheduler deadline registered
io scheduler cfq registered
0000:00:1d.0: uhci_check_and_reset_hc: legsup = 0x2f00
0000:00:1d.0: Performing full reset
0000:00:1d.1: uhci_check_and_reset_hc: legsup = 0x2000
0000:00:1d.1: Performing full reset
0000:00:1d.2: uhci_check_and_reset_hc: legsup = 0x2000
0000:00:1d.2: Performing full reset
0000:00:1d.3: uhci_check_and_reset_hc: legsup = 0x2000
0000:00:1d.3: Performing full reset
radeonfb_pci_register BEGIN
ACPI: PCI Interrupt 0000:01:00.0[A] -> GSI 16 (level, low) -> IRQ 16
radeonfb (0000:01:00.0): Found 131072k of DDR 64 bits wide videoram
radeonfb (0000:01:00.0): mapped 16384k videoram
radeonfb: Found Intel x86 BIOS ROM Image
radeonfb: Retrieved PLL infos from BIOS
radeonfb: Reference=27.00 MHz (RefDiv=12) Memory=324.00 Mhz, System=182.00 MHz
radeonfb: PLL min 20000 max 40000
1 chips in connector info
– chip 1 has 2 connectors
* connector 0 of type 2 (CRT) : 2300
* connector 1 of type 3 (DVI–I) : 3221
Starting monitor auto detection...
Time: tsc clocksource has been installed.
radeonfb: I2C (port 1) ... not found
radeonfb: I2C (port 2) ... not found
radeonfb: I2C (port 3) ... not found
radeonfb: I2C (port 4) ... not found
radeonfb: I2C (port 2) ... not found
radeonfb: I2C (port 4) ... not found
radeonfb: I2C (port 3) ... not found
radeonfb: I2C (port 4) ... not found
radeonfb: Monitor 1 type CRT found
radeonfb: Monitor 2 type no found
hStart = 1616, hEnd = 1808, hTotal = 2080
vStart = 1204, vEnd = 1207, vTotal = 1244
h_total_disp = 0xc70103 hsync_strt_wid = 0x18064d
v_total_disp = 0x4af04db vsync_strt_wid = 0x304b3
pixclock = 4545
freq = 22002
freq = 22002, PLL min = 20000, PLL max = 40000
ref_div = 12, ref_clk = 2700, output_freq = 22002
ref_div = 12, ref_clk = 2700, output_freq = 22002
post div = 0x0
```

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```
fb_div = 0x62
ppll_div_3 = 0x62
Console: switching to colour frame buffer device 160x66
radeonfb (0000:01:00.0): ATI Radeon AQ
radeonfb_pci_register END
ACPI: Power Button (FF) [PWRF]
ACPI: Power Button (CM) [PWRB]
ACPI: Fan [FAN] (on)
ACPI: Thermal Zone [THRM] (22 C)
lp: driver loaded but no devices found
Real Time Clock Driver v1.12
Linux agpgart interface v0.101 (c) Dave Jones
agpgart: Detected an Intel i875 Chipset.
agpgart: AGP aperture is 128M @ 0xf0000000
[drm] Initialized drm 1.0.1 20051102
ACPI: PCI Interrupt 0000:01:00.0[A] -> GSI 16 (level, low) -> IRQ 16
[drm] Initialized radeon 1.21.0 20051229 on minor 0
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
Floppy drive(s): fd0 is 1.44M
FDC 0 is a post-1991 82077
loop: loaded (max 8 devices)
Intel(R) PRO/1000 Network Driver - version 6.1.16-k2-NAPI
Copyright (c) 1999-2005 Intel Corporation.
ACPI: PCI Interrupt 0000:02:07.0[A] -> GSI 23 (level, low) -> IRQ 17
e1000: eth0: e1000_probe: Intel(R) PRO/1000 Network Connection
Linux Tulip driver version 1.1.13 (December 15, 2004)
ACPI: PCI Interrupt 0000:02:02.0[A] -> GSI 18 (level, low) -> IRQ 18
tulip0: MII transceiver #1 config 3100 status 7829 advertising 01e1.
eth1: Lite-On 82c168 PNIC rev 32 at f880e000, 00:A0:CC:21:89:0C, IRQ 18.
Uniform Multi-Platform E-IDE driver Revision: 7.00alpha2
ide: Assuming 33MHz system bus speed for PIO modes; override with idebus=xx
ICH5: IDE controller at PCI slot 0000:00:1f.1
ACPI: PCI Interrupt 0000:00:1f.1[A] -> GSI 18 (level, low) -> IRQ 18
ICH5: chipset revision 2
ICH5: not 100% native mode: will probe irqs later
ide0: BM-DMA at 0xf000-0xf007, BIOS settings: hda:DMA, hdb:pio
ide1: BM-DMA at 0xf008-0xf00f, BIOS settings: hdc:DMA, hdd:DMA
Probing IDE interface ide0...
hda: IC35L120AVV207-1, ATA DISK drive
ide0 at 0x1f0-0x1f7,0x3f6 on irq 14
Probing IDE interface ide1...
hdc: IC35L120AVV207-1, ATA DISK drive
hdd: _NEC DVD_RW ND-1300A, ATAPI CD/DVD-ROM drive
ide1 at 0x170-0x177,0x376 on irq 15
HPT374: IDE controller at PCI slot 0000:02:00.0
ACPI: PCI Interrupt 0000:02:00.0[A] -> GSI 16 (level, low) -> IRQ 16
HPT374: chipset revision 7
```

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HPT374: 100% native mode on irq 16  
HPT37X: using 33MHz PCI clock  
ide2: BM–DMA at 0x9400–0x9407, BIOS settings: hde:DMA, hdf:pio  
HPT37X: using 33MHz PCI clock  
ide3: BM–DMA at 0x9408–0x940f, BIOS settings: hdg:DMA, hdh:pio  
ACPI: PCI Interrupt 0000:02:00.1[A] –> GSI 16 (level, low) –> IRQ 16  
HPT37X: using 33MHz PCI clock  
ide4: BM–DMA at 0x9900–0x9907, BIOS settings: hdi:DMA, hdj:pio  
HPT37X: using 33MHz PCI clock  
ide5: BM–DMA at 0x9908–0x990f, BIOS settings: hdk:DMA, hdl:pio  
Probing IDE interface ide2...  
hde: WDC WD2000JB–00FUA0, ATA DISK drive  
ide2 at 0x9000–0x9007,0x9102 on irq 16  
Probing IDE interface ide3...  
hdg: WDC WD2500JB–00FUA0, ATA DISK drive  
ide3 at 0x9200–0x9207,0x9302 on irq 16  
Probing IDE interface ide4...  
hdi: WDC WD2000BB–00DAA1, ATA DISK drive  
ide4 at 0x9500–0x9507,0x9602 on irq 16  
Probing IDE interface ide5...  
hdk: ST3300831A, ATA DISK drive  
ide5 at 0x9700–0x9707,0x9802 on irq 16  
HPT374: IDE controller at PCI slot 0000:02:06.0  
ACPI: PCI Interrupt 0000:02:06.0[A] –> GSI 22 (level, low) –> IRQ 19  
HPT374: chipset revision 7  
HPT374: 100% native mode on irq 19  
HPT37X: using 33MHz PCI clock  
ide6: BM–DMA at 0xa100–0xa107, BIOS settings: hdm:pio, hdn:DMA  
HPT37X: using 33MHz PCI clock  
ide7: BM–DMA at 0xa108–0xa10f, BIOS settings: hdo:pio, hdp:DMA  
ACPI: PCI Interrupt 0000:02:06.1[A] –> GSI 22 (level, low) –> IRQ 19  
HPT37X: using 33MHz PCI clock  
ide8: BM–DMA at 0xa600–0xa607, BIOS settings: hdq:DMA, hdr:pio  
HPT37X: using 33MHz PCI clock  
ide9: BM–DMA at 0xa608–0xa60f, BIOS settings: hds:pio, hdt:DMA  
Probing IDE interface ide6...  
hdn: Maxtor 4A300J0, ATA DISK drive  
ide6 at 0x9d00–0x9d07,0x9e02 on irq 19  
Probing IDE interface ide7...  
hdp: Maxtor 6Y200P0, ATA DISK drive  
ide7 at 0x9f00–0x9f07,0xa002 on irq 19  
Probing IDE interface ide8...  
hdq: WDC WD2500JB–00FUA0, ATA DISK drive  
ide8 at 0xa200–0xa207,0xa302 on irq 19  
Probing IDE interface ide9...  
hdt: Maxtor 4A300J0, ATA DISK drive  
ide9 at 0xa400–0xa407,0xa502 on irq 19  
hda: max request size: 512KiB  
hda: 241254720 sectors (123522 MB) w/7965KiB Cache, CHS=16383/255/63, UDMA(100)  
hda: cache flushes supported  
hda: hda1 hda2

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hdc: max request size: 512KiB  
hdc: 241254720 sectors (123522 MB) w/7965KiB Cache, CHS=16383/255/63, UDMA(100)  
hdc: cache flushes supported  
hdc: hdc1 hdc2  
hde: max request size: 512KiB  
hde: 390721968 sectors (200049 MB) w/8192KiB Cache, CHS=24321/255/63, UDMA(33)  
hde: cache flushes supported  
hde: hde1  
hdg: max request size: 512KiB  
hdg: 488397168 sectors (250059 MB) w/8192KiB Cache, CHS=30401/255/63, UDMA(100)  
hdg: cache flushes supported  
hdg: hdg1  
hdi: max request size: 512KiB  
hdi: 390721968 sectors (200049 MB) w/2048KiB Cache, CHS=24321/255/63, UDMA(100)  
hdi: cache flushes supported  
hdi: hdi1  
hdk: max request size: 512KiB  
hdk: 586072368 sectors (300069 MB) w/8192KiB Cache, CHS=36481/255/63, UDMA(100)  
hdk: cache flushes supported  
hdk: hdk1  
hdn: max request size: 512KiB  
hdn: 585940320 sectors (300001 MB) w/2048KiB Cache, CHS=36473/255/63, UDMA(100)  
hdn: cache flushes supported  
hdn: hdn1  
hdp: max request size: 512KiB  
hdp: 398297088 sectors (203928 MB) w/7936KiB Cache, CHS=24792/255/63, UDMA(100)  
hdp: cache flushes supported  
hdp: hdp1  
hdq: max request size: 512KiB  
hdq: 488397168 sectors (250059 MB) w/8192KiB Cache, CHS=30401/255/63, UDMA(100)  
hdq: cache flushes supported  
hdq: hdq1  
hdt: max request size: 512KiB  
hdt: 585940320 sectors (300001 MB) w/2048KiB Cache, CHS=36473/255/63, UDMA(100)  
hdt: cache flushes supported  
hdt: hdt1  
hdd: ATAPI 40X DVD-ROM DVD-R CD-R/RW drive, 2048kB Cache, UDMA(33)  
Uniform CD-ROM driver Revision: 3.20  
QLogic Fibre Channel HBA Driver  
usbmon: debugfs is not available  
ehci\_hcd: block sizes: qh 128 qtd 96 itd 192 sitd 96  
ACPI: PCI Interrupt 0000:00:1d.7[D] -> GSI 23 (level, low) -> IRQ 17  
PCI: Setting latency timer of device 0000:00:1d.7 to 64  
ehci\_hcd 0000:00:1d.7: EHCI Host Controller  
ehci\_hcd 0000:00:1d.7: reset hcs\_params 0x104208 dbg=1 cc=4 pcc=2 ordered !ppc ports=8  
ehci\_hcd 0000:00:1d.7: reset hcc\_params 6871 thresh 7 uframes 1024 64 bit addr  
ehci\_hcd 0000:00:1d.7: capability 0001 at 68  
PCI: cache line size of 128 is not supported by device 0000:00:1d.7  
drivers/usb/core/inode.c: creating file 'devices'  
drivers/usb/core/inode.c: creating file '001'  
ehci\_hcd 0000:00:1d.7: new USB bus registered, assigned bus number 1

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```
ehci_hcd 0000:00:1d.7: irq 17, io mem 0xfc000000
ehci_hcd 0000:00:1d.7: reset command 080002 (park)=0 ithresh=8 period=1024 Reset HALT
ehci_hcd 0000:00:1d.7: init command 010001 (park)=0 ithresh=1 period=1024 RUN
ehci_hcd 0000:00:1d.7: USB 2.0 started, EHCI 1.00, driver 10 Dec 2004
usb usb1: default language 0x0409
usb usb1: new device strings: Mfr=3, Product=2, SerialNumber=1
usb usb1: Product: EHCI Host Controller
usb usb1: Manufacturer: Linux 2.6.15–mm2 ehci_hcd
usb usb1: SerialNumber: 0000:00:1d.7
usb usb1: uevent
usb usb1: device is self-powered
usb usb1: configuration #1 chosen from 1 choice
usb usb1: adding 1–0:1.0 (config #1, interface 0)
usb 1–0:1.0: uevent
hub 1–0:1.0: usb_probe_interface
hub 1–0:1.0: usb_probe_interface – got id
hub 1–0:1.0: USB hub found
hub 1–0:1.0: 8 ports detected
hub 1–0:1.0: standalone hub
hub 1–0:1.0: no power switching (usb 1.0)
hub 1–0:1.0: individual port over-current protection
hub 1–0:1.0: Single TT
hub 1–0:1.0: TT requires at most 8 FS bit times (666 ns)
hub 1–0:1.0: power on to power good time: 20ms
hub 1–0:1.0: local power source is good
hub 1–0:1.0: state 5 ports 8 chg 0000 evt 0000
drivers/usb/core/inode.c: creating file '001'
USB Universal Host Controller Interface driver v3.0
ACPI: PCI Interrupt 0000:00:1d.0[A] –> GSI 16 (level, low) –> IRQ 16
PCI: Setting latency timer of device 0000:00:1d.0 to 64
uhci_hcd 0000:00:1d.0: UHCI Host Controller
uhci_hcd 0000:00:1d.0: detected 2 ports
uhci_hcd 0000:00:1d.0: uhci_check_and_reset_hc: cmd = 0x0000
uhci_hcd 0000:00:1d.0: Performing full reset
drivers/usb/core/inode.c: creating file '002'
uhci_hcd 0000:00:1d.0: new USB bus registered, assigned bus number 2
uhci_hcd 0000:00:1d.0: irq 16, io base 0x0000c300
usb usb2: default language 0x0409
usb usb2: new device strings: Mfr=3, Product=2, SerialNumber=1
usb usb2: Product: UHCI Host Controller
usb usb2: Manufacturer: Linux 2.6.15–mm2 uhci_hcd
usb usb2: SerialNumber: 0000:00:1d.0
usb usb2: uevent
usb usb2: device is self-powered
usb usb2: configuration #1 chosen from 1 choice
usb usb2: adding 2–0:1.0 (config #1, interface 0)
usb 2–0:1.0: uevent
hub 2–0:1.0: usb_probe_interface
hub 2–0:1.0: usb_probe_interface – got id
hub 2–0:1.0: USB hub found
hub 2–0:1.0: 2 ports detected
```

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```
hub 2-0:1.0: standalone hub
hub 2-0:1.0: no power switching (usb 1.0)
hub 2-0:1.0: individual port over-current protection
hub 2-0:1.0: power on to power good time: 2ms
hub 2-0:1.0: local power source is good
hub 2-0:1.0: state 5 ports 2 chg 0000 evt 0000
drivers/usb/core/inode.c: creating file '001'
ACPI: PCI Interrupt 0000:00:1d.1[B] -> GSI 19 (level, low) -> IRQ 20
PCI: Setting latency timer of device 0000:00:1d.1 to 64
uhci_hcd 0000:00:1d.1: UHCI Host Controller
uhci_hcd 0000:00:1d.1: detected 2 ports
uhci_hcd 0000:00:1d.1: uhci_check_and_reset_hc: cmd = 0x0000
uhci_hcd 0000:00:1d.1: Performing full reset
drivers/usb/core/inode.c: creating file '003'
uhci_hcd 0000:00:1d.1: new USB bus registered, assigned bus number 3
uhci_hcd 0000:00:1d.1: irq 20, io base 0x0000c000
usb usb3: default language 0x0409
usb usb3: new device strings: Mfr=3, Product=2, SerialNumber=1
usb usb3: Product: UHCI Host Controller
usb usb3: Manufacturer: Linux 2.6.15-mm2 uhci_hcd
usb usb3: SerialNumber: 0000:00:1d.1
usb usb3: uevent
usb usb3: device is self-powered
usb usb3: configuration #1 chosen from 1 choice
usb usb3: adding 3-0:1.0 (config #1, interface 0)
usb 3-0:1.0: uevent
hub 3-0:1.0: usb_probe_interface
hub 3-0:1.0: usb_probe_interface - got id
hub 3-0:1.0: USB hub found
hub 3-0:1.0: 2 ports detected
hub 3-0:1.0: standalone hub
hub 3-0:1.0: no power switching (usb 1.0)
hub 3-0:1.0: individual port over-current protection
hub 3-0:1.0: power on to power good time: 2ms
hub 3-0:1.0: local power source is good
hub 3-0:1.0: state 5 ports 2 chg 0000 evt 0000
drivers/usb/core/inode.c: creating file '001'
ACPI: PCI Interrupt 0000:00:1d.2[C] -> GSI 18 (level, low) -> IRQ 18
PCI: Setting latency timer of device 0000:00:1d.2 to 64
uhci_hcd 0000:00:1d.2: UHCI Host Controller
uhci_hcd 0000:00:1d.2: detected 2 ports
uhci_hcd 0000:00:1d.2: uhci_check_and_reset_hc: cmd = 0x0000
uhci_hcd 0000:00:1d.2: Performing full reset
drivers/usb/core/inode.c: creating file '004'
uhci_hcd 0000:00:1d.2: new USB bus registered, assigned bus number 4
uhci_hcd 0000:00:1d.2: irq 18, io base 0x0000c100
usb usb4: default language 0x0409
usb usb4: new device strings: Mfr=3, Product=2, SerialNumber=1
usb usb4: Product: UHCI Host Controller
usb usb4: Manufacturer: Linux 2.6.15-mm2 uhci_hcd
usb usb4: SerialNumber: 0000:00:1d.2
```

## 2.6.15-mm3 hangs during boot (raid related?)

```
usb usb4: uevent
usb usb4: device is self-powered
usb usb4: configuration #1 chosen from 1 choice
usb usb4: adding 4-0:1.0 (config #1, interface 0)
usb 4-0:1.0: uevent
hub 4-0:1.0: usb_probe_interface
hub 4-0:1.0: usb_probe_interface - got id
hub 4-0:1.0: USB hub found
hub 4-0:1.0: 2 ports detected
hub 4-0:1.0: standalone hub
hub 4-0:1.0: no power switching (usb 1.0)
hub 4-0:1.0: individual port over-current protection
hub 4-0:1.0: power on to power good time: 2ms
hub 4-0:1.0: local power source is good
hub 4-0:1.0: state 5 ports 2 chg 0000 evt 0000
drivers/usb/core/inode.c: creating file '001'
ACPI: PCI Interrupt 0000:00:1d.3[A] -> GSI 16 (level, low) -> IRQ 16
PCI: Setting latency timer of device 0000:00:1d.3 to 64
uhci_hcd 0000:00:1d.3: UHCI Host Controller
uhci_hcd 0000:00:1d.3: detected 2 ports
uhci_hcd 0000:00:1d.3: uhci_check_and_reset_hc: cmd = 0x0000
uhci_hcd 0000:00:1d.3: Performing full reset
drivers/usb/core/inode.c: creating file '005'
uhci_hcd 0000:00:1d.3: new USB bus registered, assigned bus number 5
uhci_hcd 0000:00:1d.3: irq 16, io base 0x0000c200
usb usb5: default language 0x0409
usb usb5: new device strings: Mfr=3, Product=2, SerialNumber=1
usb usb5: Product: UHCI Host Controller
usb usb5: Manufacturer: Linux 2.6.15-mm2 uhci_hcd
usb usb5: SerialNumber: 0000:00:1d.3
usb usb5: uevent
usb usb5: device is self-powered
usb usb5: configuration #1 chosen from 1 choice
usb usb5: adding 5-0:1.0 (config #1, interface 0)
usb 5-0:1.0: uevent
hub 5-0:1.0: usb_probe_interface
hub 5-0:1.0: usb_probe_interface - got id
hub 5-0:1.0: USB hub found
hub 5-0:1.0: 2 ports detected
hub 5-0:1.0: standalone hub
hub 5-0:1.0: no power switching (usb 1.0)
hub 5-0:1.0: individual port over-current protection
hub 5-0:1.0: power on to power good time: 2ms
hub 5-0:1.0: local power source is good
hub 5-0:1.0: state 5 ports 2 chg 0000 evt 0000
drivers/usb/core/inode.c: creating file '001'
Initializing USB Mass Storage driver...
usbcore: registered new driver usb-storage
USB Mass Storage support registered.
mice: PS/2 mouse device common for all mice
i2c /dev entries driver
```

## 2.6.15–mm3 hangs during boot (raid related?)

```
md: linear personality registered for level -1
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: pIII_sse
input: AT Translated Set 2 keyboard as /class/input/input0
pIII_sse : 3124.800 MB/sec
raid5: using function: pIII_sse (3124.800 MB/sec)
md: md driver 0.90.3 MAX_MD_DEVS=256, MD_SB_DISKS=27
md: bitmap version 4.39
Advanced Linux Sound Architecture Driver Version 1.0.11rc2 (Wed Jan 04 08:57:20 2006 UTC).
ACPI: PCI Interrupt 0000:02:05.0[A] -> GSI 21 (level, low) -> IRQ 21
Installing spdif_bug patch: Audigy 2 [SB0240]
ALSA device list:
#0: Audigy 2 [SB0240] (rev.4, serial:0x10071102) at 0x9b00, irq 21
NET: Registered protocol family 2
uhci_hcd 0000:00:1d.0: suspend_rh (auto-stop)
logips2pp: Detected unknown logitech mouse model 1
IP route cache hash table entries: 65536 (order: 6, 262144 bytes)
TCP established hash table entries: 262144 (order: 9, 2097152 bytes)
TCP bind hash table entries: 65536 (order: 7, 524288 bytes)
TCP: Hash tables configured (established 262144 bind 65536)
TCP reno registered
input: ImPS/2 Logitech Wheel Mouse as /class/input/input1
ip_contrack version 2.4 (8191 buckets, 65528 max) - 216 bytes per contrack
uhci_hcd 0000:00:1d.1: suspend_rh (auto-stop)
uhci_hcd 0000:00:1d.2: suspend_rh (auto-stop)
ip_tables: (C) 2000–2002 Netfilter core team
TCP bic registered
NET: Registered protocol family 1
NET: Registered protocol family 10
IPv6 over IPv4 tunneling driver
ip6_tables: (C) 2000–2002 Netfilter core team
uhci_hcd 0000:00:1d.3: suspend_rh (auto-stop)
registering ipv6 mark target
NET: Registered protocol family 17
Starting balanced_irq
Using IPI Shortcut mode
md: Autodetecting RAID arrays.
md: autorun ...
md: considering hdt1 ...
md: adding hdt1 ...
md: hdq1 has different UUID to hdt1
md: hdn1 has different UUID to hdt1
md: adding hdi1 ...
md: hdg1 has different UUID to hdt1
md: hde1 has different UUID to hdt1
md: hdc2 has different UUID to hdt1
md: hdc1 has different UUID to hdt1
md: hda2 has different UUID to hdt1
```

## 2.6.15–mm3 hangs during boot (raid related?)

```
md: hda1 has different UUID to hdt1
md: created md2
md: bind<hdi1>
md: bind<hdt1>
md: running: <hdt1><hdi1>
md: considering hdq1 ...
md: adding hdq1 ...
md: hdn1 has different UUID to hdq1
md: adding hdg1 ...
md: hde1 has different UUID to hdq1
md: hdc2 has different UUID to hdq1
md: hdc1 has different UUID to hdq1
md: hda2 has different UUID to hdq1
md: hda1 has different UUID to hdq1
md: created md3
md: bind<hdg1>
md: bind<hdq1>
md: running: <hdq1><hdg1>
md: considering hdn1 ...
md: adding hdn1 ...
md: adding hde1 ...
md: hdc2 has different UUID to hdn1
md: hdc1 has different UUID to hdn1
md: hda2 has different UUID to hdn1
md: hda1 has different UUID to hdn1
md: created md1
md: bind<hde1>
md: bind<hdn1>
md: running: <hdn1><hde1>
md: considering hdc2 ...
md: adding hdc2 ...
md: hdc1 has different UUID to hdc2
md: adding hda2 ...
md: hda1 has different UUID to hdc2
md: created md0
md: bind<hda2>
md: bind<hdc2>
md: running: <hdc2><hda2>
raid1: raid set md0 active with 2 out of 2 mirrors
md: considering hdc1 ...
md: adding hdc1 ...
md: adding hda1 ...
md: created md4
md: bind<hda1>
md: bind<hdc1>
md: running: <hdc1><hda1>
raid1: raid set md4 active with 2 out of 2 mirrors
md4: bitmap initialized from disk: read 15/15 pages, set 51 bits, status: 0
created bitmap (224 pages) for device md4
^^^^^^ 2.6.15–mm3 hangs right here
```

## 2.6.15-mm3 hangs during boot (raid related?)

```
md: ... autorun DONE.
kjournald starting. Commit interval 5 seconds
EXT3-fs: mounted filesystem with ordered data mode.
VFS: Mounted root (ext3 filesystem) readonly.
Freeing unused kernel memory: 256k freed
Adding 3437816k swap on /dev/md0. Priority:-1 extents:1 across:3437816k
EXT3 FS on md4, internal journal
psmouse.c: resync failed, issuing reconnect request
logips2pp: Detected unknown logitech mouse model 1
kjournald starting. Commit interval 5 seconds
EXT3 FS on hdk1, internal journal
EXT3-fs: mounted filesystem with ordered data mode.
kjournald starting. Commit interval 5 seconds
EXT3 FS on md1, internal journal
EXT3-fs: mounted filesystem with ordered data mode.
kjournald starting. Commit interval 5 seconds
EXT3 FS on md2, internal journal
EXT3-fs: mounted filesystem with ordered data mode.
kjournald starting. Commit interval 5 seconds
EXT3 FS on md3, internal journal
EXT3-fs: mounted filesystem with ordered data mode.
ADDRCONF(NETDEV_UP): switch: link is not ready
e1000: switch: e1000_watchdog_task: NIC Link is Up 1000 Mbps Full Duplex
ADDRCONF(NETDEV_CHANGE): switch: link becomes ready
adsl: Setting full-duplex based on MII#1 link partner capability of 05e1.
e1000: switch: e1000_watchdog_task: NIC Link is Up 1000 Mbps Full Duplex
adsl: no IPv6 routers present
switch: no IPv6 routers present
If some fields are empty or look unusual you may have an old version.
Compare to the current minimal requirements in Documentation/Changes.
```

```
Linux adsl-gate 2.6.15-mm2 #2 SMP Sun Jan 8 08:57:36 CET 2006 i686 GNU/Linux
```

```
Gnu C 4.0.3
Gnu make 3.81beta4
binutils 2.16.91
util-linux 2.12r
mount 2.12r
module-init-tools 3.2.2
e2fsprogs 1.39-WIP
reiserfsprogs 3.6.19
reiser4progs 1.0.5
nfs-utils 1.0.7
Linux C Library 2.3.5
Dynamic linker (ldd) 2.3.5
Procps 3.2.6
Net-tools 1.60
Console-tools 0.2.3
```

## 2.6.15-mm3 hangs during boot (raid related?)

Sh-utils 5.93

Modules Loaded ip\_nat\_ftp ip\_nat\_irc ip\_contrack\_irc ip\_contrack\_ftp ipt\_MASQUERADE iptable\_nat ip\_nat ipt\_REJECT ipt\_LOG ipt\_limit ipt\_state iptable\_filter i2c\_viapro w83781d hwmon\_vid via686a i2c\_isa  
mdadm - v2.2 - 5 December 2005

/dev/md4 on / type ext3 (rw)  
proc on /proc type proc (rw)  
sysfs on /sys type sysfs (rw)  
devpts on /dev/pts type devpts (rw,gid=5,mode=620)  
tmpfs on /dev/shm type tmpfs (rw)  
usbfs on /proc/bus/usb type usbfs (rw)  
/dev/hdp1 on /var/spool/news\_binary type reiser4 (rw,nodev,noatime,nodiratime)  
/dev/hdk1 on /backup type ext3 (rw,noatime)  
/dev/md1 on /backup\_1\_2 type ext3 (rw,noatime)  
/dev/md2 on /backup\_3\_4 type ext3 (rw,noatime)  
/dev/md3 on /backup\_5\_6 type ext3 (rw,noatime)  
sysfs on /devices type sysfs (rw)  
nfsd on /proc/fs/nfsd type nfsd (rw)

Personalities : [linear] [raid0] [raid1] [raid5] [raid4]  
md4 : active raid1 hdc1[0] hda1[1]  
117185984 blocks [2/2] [UU]  
bitmap: 9/224 pages [36KB], 256KB chunk

/dev/md4:  
Version : 00.90.03  
Creation Time : Sat Jul 9 14:11:41 2005  
Raid Level : raid1  
Array Size : 117185984 (111.76 GiB 120.00 GB)  
Device Size : 117185984 (111.76 GiB 120.00 GB)  
Raid Devices : 2  
Total Devices : 2  
Preferred Minor : 4  
Persistence : Superblock is persistent

Update Time : Thu Jan 12 07:13:42 2006  
State : active  
Active Devices : 2  
Working Devices : 2  
Failed Devices : 0  
Spare Devices : 0

UUID : 151b5af7:f3553e46:aeb53593:1d25c708  
Events : 0.4140149

Number	Major	Minor	RaidDevice	State
0	22	1	0	active sync /dev/hdc1
1	3	1	1	active sync /dev/hda1

## 2.6.15–mm3 hangs during boot (raid related?)

md1 : active linear hdn1[1] hde1[0]  
488327552 blocks 64k rounding

/dev/md1:  
Version : 00.90.03  
Creation Time : Sat Jul 9 08:03:04 2005  
Raid Level : linear  
Array Size : 488327552 (465.71 GiB 500.05 GB)  
Raid Devices : 2  
Total Devices : 2  
Preferred Minor : 1  
Persistence : Superblock is persistent

Update Time : Sat Jul 9 08:03:04 2005  
State : clean  
Active Devices : 2  
Working Devices : 2  
Failed Devices : 0  
Spare Devices : 0

Rounding : 64K

UUID : 47d42504:8d40a6db:79e7e65d:786c84b3  
Events : 0.1

Number	Major	Minor	RaidDevice	State
0	33	1	0	active sync /dev/hde1
1	88	65	1	active sync /dev/hdn1

md3 : active linear hdq1[1] hdg1[0]  
488391808 blocks 64k rounding

/dev/md3:  
Version : 00.90.03  
Creation Time : Sat Jul 9 08:07:09 2005  
Raid Level : linear  
Array Size : 488391808 (465.77 GiB 500.11 GB)  
Raid Devices : 2  
Total Devices : 2  
Preferred Minor : 3  
Persistence : Superblock is persistent

Update Time : Sat Jul 9 08:07:09 2005  
State : clean  
Active Devices : 2  
Working Devices : 2  
Failed Devices : 0  
Spare Devices : 0

Rounding : 64K

UUID : 3870153f:b3a0750e:269564d6:8fe6c8f6

2.6.15–mm3 hangs during boot (raid related?)

## 2.6.15-mm3 hangs during boot (raid related?)

Events : 0.1

Number Major Minor RaidDevice State

0 34 1 0 active sync /dev/hdg1

1 90 1 1 active sync /dev/hdq1

md2 : active linear hdt1[1] hdi1[0]

488327552 blocks 64k rounding

/dev/md2:

Version : 00.90.03

Creation Time : Sat Jul 9 08:03:25 2005

Raid Level : linear

Array Size : 488327552 (465.71 GiB 500.05 GB)

Raid Devices : 2

Total Devices : 2

Preferred Minor : 2

Persistence : Superblock is persistent

Update Time : Sat Jul 9 08:03:25 2005

State : clean

Active Devices : 2

Working Devices : 2

Failed Devices : 0

Spare Devices : 0

Rounding : 64K

UUID : 8ed29028:cdbc5b07:41ccd69c:f2080c84

Events : 0.1

Number Major Minor RaidDevice State

0 56 1 0 active sync /dev/hdi1

1 91 65 1 active sync /dev/hdt1

md0 : active raid1 hdc2[1] hda2[0]

3437824 blocks [2/2] [UU]

/dev/md0:

Version : 00.90.03

Creation Time : Sat Jul 9 16:36:06 2005

Raid Level : raid1

Array Size : 3437824 (3.28 GiB 3.52 GB)

Device Size : 3437824 (3.28 GiB 3.52 GB)

Raid Devices : 2

Total Devices : 2

Preferred Minor : 0

Persistence : Superblock is persistent

Update Time : Wed Jan 11 19:00:40 2006

State : clean

Active Devices : 2

Working Devices : 2

2.6.15-mm3 hangs during boot (raid related?)

## 2.6.15-mm3 hangs during boot (raid related?)

Failed Devices : 0  
Spare Devices : 0

UUID : 5462adb9:943e1d09:a8574565:e75566f6  
Events : 0.59514

Number Major Minor RaidDevice State  
0 3 2 0 active sync /dev/hda2  
1 22 2 1 active sync /dev/hdc2

```
#
# Automatically generated make config: don't edit
# Linux kernel version:
# Wed Jan 11 18:55:51 2006
#
CONFIG_X86_32=y
CONFIG_GENERIC_TIME=y
CONFIG_SEMAPHORE_SLEEPERS=y
CONFIG_X86=y
CONFIG_MMU=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_CLEAN_COMPILE is not set
CONFIG_BROKEN=y
CONFIG_BROKEN_ON_SMP=y
CONFIG_LOCK_KERNEL=y
CONFIG_INIT_ENV_ARG_LIMIT=32

#
# 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=""
```

2.6.15-mm3 hangs during boot (raid related?)

## 2.6.15–mm3 hangs during boot (raid related?)

```
CONFIG_UID16=y
CONFIG_VM86=y
# CONFIG_CC_OPTIMIZE_FOR_SIZE is not set
# CONFIG_EMBEDDED is not set
CONFIG_KALLSYMS=y
# CONFIG_KALLSYMS_ALL is not set
# CONFIG_KALLSYMS_EXTRA_PASS is not set
CONFIG_HOTPLUG=y
CONFIG_PRINTK=y
CONFIG_BUG=y
CONFIG_DOUBLEFAULT=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_SERIAL_PCI=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 is not set
CONFIG_OBSOLETE_MODPARM=y
# CONFIG_MODVERSIONS is not set
# CONFIG_MODULE_SRCVERSION_ALL is not set
CONFIG_KMOD=y

#
# Block layer
#
CONFIG_LBD=y
# CONFIG_BLK_DEV_IO_TRACE is not set

#
# IO Schedulers
#
CONFIG_IOSCHED_NOOP=y
CONFIG_IOSCHED_AS=y
CONFIG_IOSCHED_DEADLINE=y
CONFIG_IOSCHED_CFQ=y
# CONFIG_DEFAULT_AS is not set
CONFIG_DEFAULT_DEADLINE=y
```

## 2.6.15–mm3 hangs during boot (raid related?)

```
# 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_ELAN is not set
# CONFIG_X86_VOYAGER is not set
# CONFIG_X86_NUMAQ is not set
# CONFIG_X86_SUMMIT is not set
# CONFIG_X86_BIGSMP is not set
# CONFIG_X86_VISWS is not set
# CONFIG_X86_GENERICARCH is not set
# CONFIG_X86_ES7000 is not set
# CONFIG_M386 is not set
# CONFIG_M486 is not set
# CONFIG_M586 is not set
# CONFIG_M586TSC is not set
# CONFIG_M586MMX is not set
# CONFIG_M686 is not set
# CONFIG_MPENTIUMII is not set
# CONFIG_MPENTIUMIII is not set
# CONFIG_MPENTIUMM is not set
CONFIG_MPENTIUM4=y
# CONFIG_MK6 is not set
# CONFIG_MK7 is not set
# CONFIG_MK8 is not set
# CONFIG_MCRUSOE is not set
# CONFIG_MEFFICEON is not set
# CONFIG_MWINCHIP6 is not set
# CONFIG_MWINCHIP2 is not set
# CONFIG_MWINCHIP3D is not set
# CONFIG_MGEODEGX1 is not set
# CONFIG_MGEODE_LX is not set
# CONFIG_MCYRIXIII is not set
# CONFIG_MVIAC3_2 is not set
# CONFIG_X86_GENERIC is not set
CONFIG_X86_CMPXCHG=y
CONFIG_X86_XADD=y
CONFIG_X86_L1_CACHE_SHIFT=7
CONFIG_RWSEM_XCHGADD_ALGORITHM=y
CONFIG_GENERIC_CALIBRATE_DELAY=y
CONFIG_X86_WP_WORKS_OK=y
CONFIG_X86_INVLPG=y
CONFIG_X86_BSWAP=y
CONFIG_X86_POPAD_OK=y
CONFIG_X86_CMPXCHG64=y
CONFIG_X86_GOOD_APIC=y
CONFIG_X86_INTEL_USERCOPY=y
```

## 2.6.15–mm3 hangs during boot (raid related?)

```
CONFIG_X86_USE_PPRO_CHECKSUM=y
CONFIG_X86_TSC=y
CONFIG_HPET_TIMER=y
CONFIG_HPET_EMULATE_RTC=y
CONFIG_SMP=y
CONFIG_NR_CPUS=2
CONFIG_SCHED_SMT=y
CONFIG_PREEMPT_NONE=y
# CONFIG_PREEMPT_VOLUNTARY is not set
# CONFIG_PREEMPT is not set
CONFIG_PREEMPT_BKL=y
CONFIG_X86_LOCAL_APIC=y
CONFIG_X86_IO_APIC=y
CONFIG_X86_MCE=y
# CONFIG_X86_MCE_NONFATAL is not set
CONFIG_X86_MCE_P4THERMAL=y
# CONFIG_TOSHIBA is not set
# CONFIG_I8K is not set
# CONFIG_X86_REBOOTFIXUPS is not set
# CONFIG_MICROCODE is not set
# CONFIG_X86_MSR is not set
# CONFIG_X86_CPUID is not set

#
# Firmware Drivers
#
# CONFIG_EDD is not set
CONFIG_DELL_RBU=m
# CONFIG_DCDBAS is not set
# CONFIG_NOHIGHMEM is not set
CONFIG_HIGHMEM4G=y
# CONFIG_HIGHMEM64G is not set
# CONFIG_VMSPLIT_3G is not set
CONFIG_VMSPLIT_3G_OPT=y
# CONFIG_VMSPLIT_2G is not set
# CONFIG_VMSPLIT_1G is not set
CONFIG_PAGE_OFFSET=0xB0000000
CONFIG_HIGHMEM=y
CONFIG_ARCH_FLATMEM_ENABLE=y
CONFIG_ARCH_SPARSEMEM_ENABLE=y
CONFIG_ARCH_SELECT_MEMORY_MODEL=y
CONFIG_SELECT_MEMORY_MODEL=y
CONFIG_FLATMEM_MANUAL=y
# CONFIG_DISCONTIGMEM_MANUAL is not set
# CONFIG_SPARSEMEM_MANUAL is not set
CONFIG_FLATMEM=y
CONFIG_FLAT_NODE_MEM_MAP=y
CONFIG_SPARSEMEM_STATIC=y
CONFIG_SPLIT_PTLOCK_CPUS=4
CONFIG_HIGHPTE=y
# CONFIG_MATH_EMULATION is not set
```

2.6.15–mm3 hangs during boot (raid related?)

## 2.6.15–mm3 hangs during boot (raid related?)

```
CONFIG_MTRR=y
# CONFIG_EFI is not set
CONFIG_IRQBALANCE=y
CONFIG_REGPARM=y
CONFIG_SECCOMP=y
CONFIG_HZ_100=y
# CONFIG_HZ_250 is not set
# CONFIG_HZ_1000 is not set
CONFIG_HZ=100
# CONFIG_KEXEC is not set
# CONFIG_CRASH_DUMP is not set
CONFIG_PHYSICAL_START=0x100000
# CONFIG_HOTPLUG_CPU is not set

#
# Power management options (ACPI, APM)
#
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 is not set
# CONFIG_ACPI_BATTERY is not set
CONFIG_ACPI_BUTTON=y
# CONFIG_ACPI_VIDEO is not set
CONFIG_ACPI_HOTKEY=m
CONFIG_ACPI_FAN=y
CONFIG_ACPI_PROCESSOR=y
CONFIG_ACPI_THERMAL=y
# CONFIG_ACPI_ASUS is not set
# CONFIG_ACPI_IBM is not set
# CONFIG_ACPI_TOSHIBA is not set
CONFIG_ACPI_SONY=m
# CONFIG_ACPI_CUSTOM_DSDT is not set
CONFIG_ACPI_BLACKLIST_YEAR=0
# CONFIG_ACPI_DEBUG is not set
CONFIG_ACPI_EC=y
CONFIG_ACPI_POWER=y
CONFIG_ACPI_SYSTEM=y
# CONFIG_ACPI_CONTAINER is not set

#
# APM (Advanced Power Management) BIOS Support
#
# CONFIG_APM is not set

#
```

## 2.6.15–mm3 hangs during boot (raid related?)

```
# CPU Frequency scaling
#
# CONFIG_CPU_FREQ is not set

#
# Bus options (PCI, PCMCIA, EISA, MCA, ISA)
#
CONFIG_PCI=y
# CONFIG_PCI_GOBIO is not set
# CONFIG_PCI_GOMMCONFIG is not set
# CONFIG_PCI_GODIRECT is not set
CONFIG_PCI_GOANY=y
CONFIG_PCI_BIOS=y
CONFIG_PCI_DIRECT=y
CONFIG_PCI_MMCONFIG=y
# CONFIG_PCIEPORTBUS is not set
# CONFIG_PCI_MSI is not set
CONFIG_PCI_LEGACY_PROC=y
# CONFIG_PCI_DEBUG is not set
CONFIG_ISA_DMA_API=y
CONFIG_ISA=y
# CONFIG_EISA is not set
# CONFIG_MCA is not set
# CONFIG_SCx200 is not set

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

#
# PCI Hotplug Support
#
# CONFIG_HOTPLUG_PCI is not set

#
# Executable file formats
#
CONFIG_BINFMT_ELF=y
CONFIG_BINFMT_AOUT=y
CONFIG_BINFMT_MISC=y

#
# Networking
#
CONFIG_NET=y

#
# Networking options
#
CONFIG_PACKET=y
```

## 2.6.15–mm3 hangs during boot (raid related?)

```
CONFIG_PACKET_MMAP=y
CONFIG_UNIX=y
# CONFIG_NET_KEY is not set
CONFIG_INET=y
CONFIG_IP_MULTICAST=y
CONFIG_IP_ADVANCED_ROUTER=y
CONFIG_ASK_IP_FIB_HASH=y
# CONFIG_IP_FIB_TRIE is not set
CONFIG_IP_FIB_HASH=y
# CONFIG_IP_MULTIPLE_TABLES is not set
# CONFIG_IP_ROUTE_MULTIPATH is not set
CONFIG_IP_ROUTE_VERBOSE=y
# CONFIG_IP_PNP 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=y
# CONFIG_INET_AH is not set
# 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

#
# IP: Virtual Server Configuration
#
# CONFIG_IP_VS is not set
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=y
# CONFIG_NETFILTER_DEBUG is not set

#
# Core Netfilter Configuration
#
# CONFIG_NETFILTER_NETLINK is not set

#
# IP: Netfilter Configuration
#
CONFIG_IP_NF_CONNTRACK=y
# CONFIG_IP_NF_CT_ACCT is not set
```

## 2.6.15–mm3 hangs during boot (raid related?)

```
CONFIG_IP_NF_CONNTRACK_MARK=y
# CONFIG_IP_NF_CONNTRACK_EVENTS is not set
CONFIG_IP_NF_CT_PROTO_SCTP=m
CONFIG_IP_NF_FTP=m
CONFIG_IP_NF_IRC=m
CONFIG_IP_NF_NETBIOS_NS=m
CONFIG_IP_NF_TFTP=m
CONFIG_IP_NF_AMANDA=m
# CONFIG_IP_NF_PPTP is not set
CONFIG_IP_NF_QUEUE=y
CONFIG_IP_NF_IPTABLES=y
CONFIG_IP_NF_MATCH_LIMIT=m
CONFIG_IP_NF_MATCH_IPRANGE=m
CONFIG_IP_NF_MATCH_MAC=m
CONFIG_IP_NF_MATCH_PKTTYPE=m
CONFIG_IP_NF_MATCH_MARK=m
CONFIG_IP_NF_MATCH_MULTIPORT=m
CONFIG_IP_NF_MATCH_TOS=m
CONFIG_IP_NF_MATCH_RECENT=m
CONFIG_IP_NF_MATCH_ECN=m
CONFIG_IP_NF_MATCH_DSCP=m
CONFIG_IP_NF_MATCH_AH_ESP=m
CONFIG_IP_NF_MATCH_LENGTH=m
CONFIG_IP_NF_MATCH_TTL=m
CONFIG_IP_NF_MATCH_TCPMSS=m
CONFIG_IP_NF_MATCH_HELPER=m
CONFIG_IP_NF_MATCH_STATE=m
CONFIG_IP_NF_MATCH_CONNTRACK=m
CONFIG_IP_NF_MATCH_OWNER=m
CONFIG_IP_NF_MATCH_ADDRTYPE=m
CONFIG_IP_NF_MATCH_REALM=m
CONFIG_IP_NF_MATCH_SCTP=m
CONFIG_IP_NF_MATCH_DCCP=m
CONFIG_IP_NF_MATCH_COMMENT=m
CONFIG_IP_NF_MATCH_CONNMARK=m
CONFIG_IP_NF_MATCH_HASHLIMIT=m
CONFIG_IP_NF_MATCH_STRING=m
CONFIG_IP_NF_FILTER=m
CONFIG_IP_NF_TARGET_REJECT=m
CONFIG_IP_NF_TARGET_LOG=m
CONFIG_IP_NF_TARGET_ULOG=m
CONFIG_IP_NF_TARGET_TCPMSS=m
CONFIG_IP_NF_TARGET_NFQUEUE=m
CONFIG_IP_NF_NAT=m
CONFIG_IP_NF_NAT_NEEDED=y
CONFIG_IP_NF_TARGET_MASQUERADE=m
CONFIG_IP_NF_TARGET_REDIRECT=m
CONFIG_IP_NF_TARGET_NETMAP=m
CONFIG_IP_NF_TARGET_SAME=m
CONFIG_IP_NF_NAT_SNMP_BASIC=m
CONFIG_IP_NF_NAT_IRC=m
```

2.6.15–mm3 hangs during boot (raid related?)

## 2.6.15–mm3 hangs during boot (raid related?)

```
CONFIG_IP_NF_NAT_FTP=m
CONFIG_IP_NF_NAT_TFTP=m
CONFIG_IP_NF_NAT_AMANDA=m
CONFIG_IP_NF_MANGLE=m
CONFIG_IP_NF_TARGET_TOS=m
CONFIG_IP_NF_TARGET_ECN=m
CONFIG_IP_NF_TARGET_DSCP=m
CONFIG_IP_NF_TARGET_MARK=m
CONFIG_IP_NF_TARGET_CLASSIFY=m
CONFIG_IP_NF_TARGET_TTL=m
CONFIG_IP_NF_TARGET_CONNMARK=m
CONFIG_IP_NF_TARGET_CLUSTERIP=m
CONFIG_IP_NF_RAW=m
CONFIG_IP_NF_TARGET_NOTRACK=m
CONFIG_IP_NF_ARPTABLES=m
CONFIG_IP_NF_ARPFILTER=m
CONFIG_IP_NF_ARP_MANGLE=m

#
# IPv6: Netfilter Configuration (EXPERIMENTAL)
#
# CONFIG_IP6_NF_QUEUE is not set
CONFIG_IP6_NF_IPTABLES=y
CONFIG_IP6_NF_MATCH_LIMIT=y
CONFIG_IP6_NF_MATCH_MAC=y
CONFIG_IP6_NF_MATCH_RT=y
CONFIG_IP6_NF_MATCH_OPTS=y
CONFIG_IP6_NF_MATCH_FRAG=y
CONFIG_IP6_NF_MATCH_HL=y
CONFIG_IP6_NF_MATCH_MULTIPORT=y
CONFIG_IP6_NF_MATCH_OWNER=y
CONFIG_IP6_NF_MATCH_MARK=y
CONFIG_IP6_NF_MATCH_IPV6HEADER=y
CONFIG_IP6_NF_MATCH_AHESP=y
CONFIG_IP6_NF_MATCH_LENGTH=y
CONFIG_IP6_NF_MATCH_EUI64=y
CONFIG_IP6_NF_FILTER=y
CONFIG_IP6_NF_TARGET_LOG=y
CONFIG_IP6_NF_TARGET_REJECT=y
CONFIG_IP6_NF_TARGET_NFQUEUE=m
CONFIG_IP6_NF_MANGLE=y
CONFIG_IP6_NF_TARGET_MARK=y
CONFIG_IP6_NF_TARGET_HL=y
CONFIG_IP6_NF_RAW=y

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

#
```

## 2.6.15–mm3 hangs during boot (raid related?)

```
# SCTP Configuration (EXPERIMENTAL)
#
# CONFIG_IP_SCTP 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=y
CONFIG_NET_SCH_CLK_JIFFIES=y
# CONFIG_NET_SCH_CLK_GETTIMEOFDAY is not set
# CONFIG_NET_SCH_CLK_CPU is not set

#
# Queueing/Scheduling
#
CONFIG_NET_SCH_CBQ=m
CONFIG_NET_SCH_HTB=m
# CONFIG_NET_SCH_HFSC is not set
CONFIG_NET_SCH_PRIO=m
CONFIG_NET_SCH_RED=m
CONFIG_NET_SCH_SFQ=m
CONFIG_NET_SCH_TEQL=m
CONFIG_NET_SCH_TBF=m
CONFIG_NET_SCH_GRED=m
CONFIG_NET_SCH_DSMARK=m
# CONFIG_NET_SCH_NETEM is not set
CONFIG_NET_SCH_INGRESS=m

#
# Classification
#
CONFIG_NET_CLS=y
CONFIG_NET_CLS_BASIC=y
CONFIG_NET_CLS_TCINDEX=m
CONFIG_NET_CLS_ROUTE4=m
CONFIG_NET_CLS_ROUTE=y
CONFIG_NET_CLS_FW=m
CONFIG_NET_CLS_U32=m
# CONFIG_CLS_U32_PERF is not set
```

## 2.6.15–mm3 hangs during boot (raid related?)

```
# CONFIG_CLS_U32_MARK is not set
CONFIG_NET_CLS_RSVP=m
CONFIG_NET_CLS_RSVP6=m
CONFIG_NET_EMATCH=y
CONFIG_NET_EMATCH_STACK=32
CONFIG_NET_EMATCH_CMP=y
CONFIG_NET_EMATCH_NBYTE=y
CONFIG_NET_EMATCH_U32=y
CONFIG_NET_EMATCH_META=y
# CONFIG_NET_EMATCH_TEXT is not set
# CONFIG_NET_CLS_ACT is not set
CONFIG_NET_CLS_POLICE=y
# CONFIG_NET_CLS_IND is not set
CONFIG_NET_ESTIMATOR=y

#
# Network testing
#
# 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 is not set
CONFIG_PREVENT_FIRMWARE_BUILD=y
CONFIG_FW_LOADER=y
# CONFIG_DEBUG_DRIVER 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=y
CONFIG_PARPORT_PC=y
```

## 2.6.15-mm3 hangs during boot (raid related?)

```
# CONFIG_PARPORT_SERIAL is not set
# CONFIG_PARPORT_PC_FIFO is not set
# CONFIG_PARPORT_PC_SUPERIO is not set
# CONFIG_PARPORT_GSC is not set
CONFIG_PARPORT_1284=y

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

#
# Block devices
#
CONFIG_BLK_DEV_FD=y
# CONFIG_BLK_DEV_XD is not set
# CONFIG_PARIDE is not set
# 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
# CONFIG_BLK_DEV_RAM is not set
CONFIG_BLK_DEV_RAM_COUNT=16
# 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
```

## 2.6.15–mm3 hangs during boot (raid related?)

```
#
# IDE chipset support/bugfixes
#
CONFIG_IDE_GENERIC=y
# CONFIG_BLK_DEV_CMD640 is not set
CONFIG_BLK_DEV_IDEPCI=y
CONFIG_IDEPCI_SHARE_IRQ=y
# CONFIG_BLK_DEV_OFFBOARD is not set
CONFIG_BLK_DEV_GENERIC=y
# 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 is not set
# 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_CS5535 is not set
# CONFIG_BLK_DEV_HPT34X is not set
CONFIG_BLK_DEV_HPT366=y
# 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_PDC202XX_FORCE is not set
# 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=y
# CONFIG_IDE_ARM is not set
# CONFIG_IDE_CHIPSETS 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 is not set
```

## 2.6.15–mm3 hangs during boot (raid related?)

```
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 is not set
# CONFIG_CHR_DEV_OSST is not set
CONFIG_BLK_DEV_SR=y
# CONFIG_BLK_DEV_SR_VENDOR is not set
CONFIG_CHR_DEV_SG=y
# CONFIG_CHR_DEV_SCH is not set

#
# 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 Transports
#
CONFIG_SCSI_SPI_ATTRS=y
CONFIG_SCSI_FC_ATTRS=y
# CONFIG_SCSI_ISCSI_ATTRS is not set
# CONFIG_SCSI_SAS_ATTRS is not set
# CONFIG_SCSI_SAS_CLASS is not set

#
# SCSI low-level drivers
#
# CONFIG_ISCSI_TCP is not set
# CONFIG_BLK_DEV_3W_XXXX_RAID is not set
# CONFIG_SCSI_3W_9XXX is not set
# CONFIG_SCSI_7000FASST is not set
# CONFIG_SCSI_ACARD is not set
# CONFIG_SCSI_AHA152X is not set
# CONFIG_SCSI_AHA1542 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 is not set
# CONFIG_SCSI_DPT_I2O is not set
# CONFIG_SCSI_ADVANSYS is not set
```

2.6.15–mm3 hangs during boot (raid related?)

## 2.6.15–mm3 hangs during boot (raid related?)

```
# CONFIG_SCSI_IN2000 is not set
# CONFIG_SCSI_ARCMSR is not set
# CONFIG_MEGARAID_NEWGEN is not set
# CONFIG_MEGARAID_LEGACY is not set
# CONFIG_MEGARAID_SAS is not set
# CONFIG_SCSI_SATA is not set
# CONFIG_SCSI_BUSLOGIC is not set
# CONFIG_SCSI_DM3191D is not set
# CONFIG_SCSI_DTC3280 is not set
# CONFIG_SCSI_EATA is not set
# CONFIG_SCSI_EATA_PIO is not set
# CONFIG_SCSI_FUTURE_DOMAIN is not set
# CONFIG_SCSI_GDTH is not set
# CONFIG_SCSI_GENERIC_NCR5380 is not set
# CONFIG_SCSI_GENERIC_NCR5380_MMIO is not set
# CONFIG_SCSI_IPS is not set
# CONFIG_SCSI_INITIO is not set
# CONFIG_SCSI_INIA100 is not set
# CONFIG_SCSI_PPA is not set
# CONFIG_SCSI_IMM is not set
# CONFIG_SCSI_NCR53C406A is not set
# CONFIG_SCSI_SYM53C8XX_2 is not set
# CONFIG_SCSI_IPR is not set
# CONFIG_SCSI_PAS16 is not set
# CONFIG_SCSI_PSI240I is not set
# CONFIG_SCSI_QLOGIC_FAS is not set
# CONFIG_SCSI_QLOGIC_FC is not set
# CONFIG_SCSI_QLOGIC_1280 is not set
CONFIG_SCSI_QLA2XXX=y
# CONFIG_SCSI_QLA2XXX_EMBEDDED_FIRMWARE is not set
# CONFIG_SCSI_LPFC is not set
# CONFIG_SCSI_SEAGATE is not set
# CONFIG_SCSI_SYM53C416 is not set
# CONFIG_SCSI_DC395x is not set
# CONFIG_SCSI_DC390T is not set
# CONFIG_SCSI_T128 is not set
# CONFIG_SCSI_U14_34F is not set
# CONFIG_SCSI_ULTRASTOR is not set
# CONFIG_SCSI_NSP32 is not set
# CONFIG_SCSI_DEBUG is not set

#
# Old CD-ROM drivers (not SCSI, not IDE)
#
# CONFIG_CD_NO_IDESCSI is not set

#
# Multi-device support (RAID and LVM)
#
CONFIG_MD=y
CONFIG_BLK_DEV_MD=y
```

## 2.6.15–mm3 hangs during boot (raid related?)

```
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 is not set

#
# Fusion MPT device support
#
# CONFIG_FUSION is not set
# CONFIG_FUSION_SPI is not set
# CONFIG_FUSION_FC is not set
# CONFIG_FUSION_SAS is not set

#
# IEEE 1394 (FireWire) support
#
# CONFIG_IEEE1394 is not set

#
# I2O device support
#
# CONFIG_I2O is not set

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

#
# ARCnet devices
#
# CONFIG_ARCNET is not set

#
# PHY device support
#
# CONFIG_PHYLIB is not set

#
# Ethernet (10 or 100Mbit)
#
CONFIG_NET_ETHERNET=y
```

## 2.6.15–mm3 hangs during boot (raid related?)

```
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
# CONFIG_LANCE is not set
# CONFIG_NET_VENDOR_SMC is not set
# CONFIG_NET_VENDOR_RACAL is not set

#
# Tulip family network device support
#
CONFIG_NET_TULIP=y
# CONFIG_DE2104X is not set
CONFIG_TULIP=y
CONFIG_TULIP_MWI=y
CONFIG_TULIP_MMIO=y
# CONFIG_TULIP_NAPI is not set
# CONFIG_DE4X5 is not set
# CONFIG_WINBOND_840 is not set
# CONFIG_DM9102 is not set
# CONFIG_ULI526X is not set
# CONFIG_AT1700 is not set
# CONFIG_DEPCA is not set
# CONFIG_HP100 is not set
# CONFIG_NET_ISA 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_AC3200 is not set
# CONFIG_APRICOT is not set
# CONFIG_B44 is not set
# CONFIG_FORCEDETH is not set
# CONFIG_CS89x0 is not set
# CONFIG_DGRS is not set
# CONFIG_EEPRO100 is not set
# CONFIG_E100 is not set
# 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_TLAN is not set
# CONFIG_VIA_RHINE is not set
# CONFIG_NET_POCKET is not set

#
```

## 2.6.15–mm3 hangs during boot (raid related?)

```
# Ethernet (1000 Mbit)
#
# CONFIG_ACENIC is not set
# CONFIG_DL2K is not set
CONFIG_E1000=y
CONFIG_E1000_NAPI=y
# 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 is not set
# CONFIG_BNX2 is not set

#
# Ethernet (10000 Mbit)
#
# CONFIG_CHELSIO_T1 is not set
# CONFIG_IXGB is not set
# CONFIG_S2IO 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_PLIP is not set
# CONFIG_PPP is not set
# CONFIG_SLIP is not set
# CONFIG_NET_FC is not set
# CONFIG_SHAPER is not set
# CONFIG_NETCONSOLE is not set
# CONFIG_KGDBOE is not set
# CONFIG_NETPOLL is not set
# CONFIG_NETPOLL_RX is not set
# CONFIG_NETPOLL_TRAP is not set
```

2.6.15–mm3 hangs during boot (raid related?)

## 2.6.15–mm3 hangs during boot (raid related?)

```
# CONFIG_NET_POLL_CONTROLLER is not set

#
# 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=1600
CONFIG_INPUT_MOUSEDEV_SCREEN_Y=1200
# CONFIG_INPUT_JOYDEV is not set
# CONFIG_INPUT_TSDEV is not set
# CONFIG_INPUT_EVDEV is not set
# 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_INPORT is not set
# CONFIG_MOUSE_LOGIBM is not set
# CONFIG_MOUSE_PC110PAD 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
```

## 2.6.15–mm3 hangs during boot (raid related?)

```
#
CONFIG_SERIO=y
CONFIG_SERIO_I8042=y
# CONFIG_SERIO_SERPORT is not set
# CONFIG_SERIO_CT82C710 is not set
# CONFIG_SERIO_PARKBD 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 is not set
# 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_JSM is not set
CONFIG_UNIX98_PTYS=y
CONFIG_LEGACY_PTYS=y
CONFIG_LEGACY_PTY_COUNT=256
CONFIG_PRINTER=y
# CONFIG_LP_CONSOLE is not set
# CONFIG_PPDEV is not set
# CONFIG_TIPAR is not set

#
# IPMI
#
# CONFIG_IPMI_HANDLER is not set

#
# Watchdog Cards
#
# CONFIG_WATCHDOG is not set
```

## 2.6.15–mm3 hangs during boot (raid related?)

```
# CONFIG_HW_RANDOM is not set
# CONFIG_NVRAM is not set
CONFIG_RTC=y
# CONFIG_DTLK is not set
# CONFIG_R3964 is not set
# CONFIG_APPLICOM is not set
# CONFIG_SONYPI is not set

#
# Ftape, the floppy tape device driver
#
# CONFIG_FTAPE is not set
CONFIG_AGP=y
# CONFIG_AGP_ALI is not set
# CONFIG_AGP_ATI is not set
# CONFIG_AGP_AMD is not set
# CONFIG_AGP_AMD64 is not set
CONFIG_AGP_INTEL=y
# CONFIG_AGP_NVIDIA is not set
# CONFIG_AGP_SIS is not set
# CONFIG_AGP_SWORKS is not set
CONFIG_AGP_VIA=y
# CONFIG_AGP_EFFICEON is not set
CONFIG_DRM=y
# CONFIG_DRM_TDFX is not set
# CONFIG_DRM_R128 is not set
CONFIG_DRM_RADEON=y
# CONFIG_DRM_I810 is not set
# CONFIG_DRM_I830 is not set
# CONFIG_DRM_I915 is not set
CONFIG_DRM_MGA=y
# CONFIG_DRM_SIS is not set
# CONFIG_DRM_VIA is not set
# CONFIG_DRM_SAVAGE is not set
# CONFIG_MWAVE is not set
# CONFIG_CS5535_GPIO is not set
# CONFIG_RAW_DRIVER is not set
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
#
```

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```
CONFIG_I2C=y
CONFIG_I2C_CHARDEV=y

#
# I2C Algorithms
#
CONFIG_I2C_ALGOBIT=y
# CONFIG_I2C_ALGOPCF is not set
# CONFIG_I2C_ALGOPCA is not set

#
# I2C Hardware Bus support
#
# CONFIG_I2C_ALI1535 is not set
# CONFIG_I2C_ALI1563 is not set
# CONFIG_I2C_ALI15X3 is not set
# CONFIG_I2C_AMD756 is not set
# CONFIG_I2C_AMD8111 is not set
# CONFIG_I2C_ELEKTOR is not set
# CONFIG_I2C_I801 is not set
# CONFIG_I2C_I810 is not set
CONFIG_I2C_PIIX4=m
CONFIG_I2C_ISA=m
# CONFIG_I2C_NFORCE2 is not set
# CONFIG_I2C_PARPORT is not set
# CONFIG_I2C_PARPORT_LIGHT is not set
# CONFIG_I2C_PROSAVAGE is not set
# CON

#
# USB devices
#
# CONFIG_SND_USB_AUDIO is not set
# CONFIG_SND_USB_USX2Y is not set

#
# Open Sound System
#
# CONFIG_SOUND_PRIME is not set

#
# USB support
#
CONFIG_USB_ARCH_HAS_HCD=y
CONFIG_USB_ARCH_HAS_OHCI=y
CONFIG_USB=y
CONFIG_USB_DEBUG=y

#
# Miscellaneous USB options
#
```

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```
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
#
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 is not set
CONFIG_USB_UHCI_HCD=y
# CONFIG_USB_SL811_HCD is not set
# CONFIG_USB_IP is not set

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

#
# 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=y
# 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_STORAGE_LIBUSUAL is not set

#
# USB Input Devices
#
# CONFIG_USB_HID is not set

#
# USB HID Boot Protocol drivers
```

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```
#
# CONFIG_USB_KBD is not set
# CONFIG_USB_MOUSE 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
# 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
#
# CONFIG_USB_USS720 is not set

#
# USB Serial Converter support
#
```

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```
# 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
# CONFIG_USB_LED is not set
# CONFIG_USB_CYTHERM is not set
# CONFIG_USB_GOTEMP 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

#
# SN Devices
#

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

#
# Distributed Lock Manager
```

2.6.15–mm3 hangs during boot (raid related?)

## 2.6.15–mm3 hangs during boot (raid related?)

```
#  
# CONFIG_DLM is not set
```