

One minute delay when booting 2.6.24.1

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2008-02/msg04417.html>

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 - *Date:* Sat, 9 Feb 2008 13:29:35 +0000
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Hi all,

As the subject says I get ~1 minute delay when booting 2.6.24.1 pretty reliably. It is possible it is not new to 2.6.24.1 but I can't tell due recent hardware changes.

I don't know who in particular to CC about this so I'll just send it like this in hope someone notices it. :)

Tvrtko

dmesg excerpt where it happens looks like this (full one attached):

```
[ 16.927370] checking if image is initramfs... it is
[ 17.171242] Switched to high resolution mode on CPU 1
[ 17.171754] Switched to high resolution mode on CPU 0
[ 17.293466] Freeing initrd memory: 4807k freed
[ 17.297669] Block layer SCSI generic (bsg) driver version 0.4 loaded (major 253)
[ 17.297673] io scheduler noop registered
[ 17.297674] io scheduler anticipatory registered
[ 17.297675] io scheduler deadline registered
[ 17.297741] io scheduler cfq registered (default)
[ 80.466114] Boot video device is 0000:00:10.0
[ 80.466228] PCI: Setting latency timer of device 0000:00:0b.0 to 64
```

Hardware is:

```
00:00.0 Host bridge: nVidia Corporation Unknown device 07c1 (rev a2)
00:00.1 RAM memory: nVidia Corporation Unknown device 07cb (rev a2)
00:01.0 RAM memory: nVidia Corporation Unknown device 07cd (rev a1)
00:01.1 RAM memory: nVidia Corporation Unknown device 07ce (rev a1)
00:01.2 RAM memory: nVidia Corporation Unknown device 07cf (rev a1)
00:01.3 RAM memory: nVidia Corporation Unknown device 07d0 (rev a1)
00:01.4 RAM memory: nVidia Corporation Unknown device 07d1 (rev a1)
00:01.5 RAM memory: nVidia Corporation Unknown device 07d2 (rev a1)
00:01.6 RAM memory: nVidia Corporation Unknown device 07d3 (rev a1)
00:02.0 RAM memory: nVidia Corporation Unknown device 07d6 (rev a1)
00:03.0 ISA bridge: nVidia Corporation Unknown device 07d7 (rev a2)
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00:03.1 SMBus: nVidia Corporation Unknown device 07d8 (rev a1)
00:03.2 RAM memory: nVidia Corporation Unknown device 07d9 (rev a1)
00:03.4 RAM memory: nVidia Corporation Unknown device 07c8 (rev a1)
00:04.0 USB Controller: nVidia Corporation Unknown device 07fe (rev a1)
00:04.1 USB Controller: nVidia Corporation Unknown device 056a (rev a1)
00:08.0 IDE interface: nVidia Corporation Unknown device 056c (rev a1)
00:09.0 Audio device: nVidia Corporation Unknown device 07fc (rev a1)
00:0a.0 PCI bridge: nVidia Corporation Unknown device 056d (rev a1)
00:0b.0 PCI bridge: nVidia Corporation Unknown device 056e (rev a1)
00:0c.0 PCI bridge: nVidia Corporation Unknown device 056f (rev a1)
00:0d.0 PCI bridge: nVidia Corporation Unknown device 056f (rev a1)
00:0e.0 SATA controller: nVidia Corporation Unknown device 07f4 (rev a2)
00:0f.0 Ethernet controller: nVidia Corporation Unknown device 07dc (rev a2)
00:10.0 VGA compatible controller: nVidia Corporation Unknown device 07e1 (rev a2)
01:07.0 FireWire (IEEE 1394): Texas Instruments TSB43AB23 IEEE-1394a-2000 Controller (PHY/Link)

processor : 0
vendor_id : GenuineIntel
cpu family : 6
model : 15
model name : Intel(R) Core(TM)2 Duo CPU E6550 @ 2.33GHz
stepping : 11
cpu MHz : 2000.000
cache size : 4096 KB
physical id : 0
siblings : 2
core id : 0
cpu cores : 2
fpu : yes
fpu_exception : yes
cpuid level : 10
wp : yes
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts acpi mmx fxsr
sse sse2 ss ht tm pbe syscall nx lm constant_tsc arch_perfmon pebs bts rep_good pni monitor ds_cpl vmx smx
est tm2 ssse3 cx16 xtpr lahf_lm
bogomips : 4670.27
clflush size : 64
cache_alignment : 64
address sizes : 36 bits physical, 48 bits virtual
power management:

processor : 1
vendor_id : GenuineIntel
cpu family : 6
model : 15
model name : Intel(R) Core(TM)2 Duo CPU E6550 @ 2.33GHz
stepping : 11
cpu MHz : 2333.000
cache size : 4096 KB
physical id : 0
siblings : 2

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core id : 1
cpu cores : 2
fpu : yes
fpu_exception : yes
cpuid level : 10
wp : yes
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts acpi mmx fxsr
sse sse2 ss ht tm pbe syscall nx lm constant_tsc arch_perfmon pebs bts rep_good pni monitor ds_cpl vmx smx
est tm2 ssse3 cx16 xtpr lahf_lm
bogomips : 4666.63
clflush size : 64
cache_alignment : 64
address sizes : 36 bits physical, 48 bits virtual
power management:

```
[ 0.000000] Linux version 2.6.24.1 (tvrtko@sol) (gcc version 4.1.3 20070929 (prerelease) (Ubuntu
4.1.2-16ubuntu2)) #1 SMP PREEMPT Sat Feb 9 08:43:29 GMT 2008
[ 0.000000] Command line: root=UUID=5781d9c0-be35-41cc-9eca-64e5d8fffbe4 ro quiet splash
[ 0.000000] BIOS-provided physical RAM map:
[ 0.000000] BIOS-e820: 0000000000000000 - 0000000000009e800 (usable)
[ 0.000000] BIOS-e820: 0000000000009f800 - 000000000000a0000 (reserved)
[ 0.000000] BIOS-e820: 000000000000f0000 - 00000000000100000 (reserved)
[ 0.000000] BIOS-e820: 00000000000100000 - 0000000000077000000 (usable)
[ 0.000000] BIOS-e820: 0000000000077000000 - 000000000007f000000 (reserved)
[ 0.000000] BIOS-e820: 000000000007f000000 - 000000000007fdf0000 (usable)
[ 0.000000] BIOS-e820: 000000000007fef0000 - 000000000007fef3000 (ACPI NVS)
[ 0.000000] BIOS-e820: 000000000007fef3000 - 000000000007ff00000 (ACPI data)
[ 0.000000] BIOS-e820: 00000000000e0000000 - 00000000000e2000000 (reserved)
[ 0.000000] BIOS-e820: 00000000000fec00000 - 00000000000100000000 (reserved)
[ 0.000000] Entering add_active_range(0, 0, 158) 0 entries of 256 used
[ 0.000000] Entering add_active_range(0, 256, 487424) 1 entries of 256 used
[ 0.000000] Entering add_active_range(0, 520192, 523760) 2 entries of 256 used
[ 0.000000] end_pfn_map = 1048576
[ 0.000000] DMI 2.4 present.
[ 0.000000] ACPI: RSDP 000F65D0, 0014 (r0 GBT )
[ 0.000000] ACPI: RSDT 7FEF3040, 0038 (r1 GBT GBTUACPI 42302E31 GBTU 1010101)
[ 0.000000] ACPI: FACP 7FEF30C0, 0074 (r1 GBT GBTUACPI 42302E31 GBTU 1010101)
[ 0.000000] ACPI: DSDT 7FEF3180, 52C6 (r1 GBT GBTUACPI 1000 MSFT 100000C)
[ 0.000000] ACPI: FACS 7FEF1800, 0040
[ 0.000000] ACPI: HPET 7FEF85C0, 0038 (r1 GBT GBTUACPI 42302E31 GBTU 98)
[ 0.000000] ACPI: MCFG 7FEF8640, 003C (r1 GBT GBTUACPI 42302E31 GBTU 1010101)
[ 0.000000] ACPI: APIC 7FEF84C0, 0098 (r1 GBT GBTUACPI 42302E31 GBTU 1010101)
[ 0.000000] ACPI: SSDT 7FEF8CE0, 02FC (r1 PmRef CpuPm 3000 INTL 20040311)
[ 0.000000] Entering add_active_range(0, 0, 158) 0 entries of 256 used
[ 0.000000] Entering add_active_range(0, 256, 487424) 1 entries of 256 used
[ 0.000000] Entering add_active_range(0, 520192, 523760) 2 entries of 256 used
[ 0.000000] [ffffe20000000000-ffffe200001fffff] PMD ->ffff810001200000 on node 0
[ 0.000000] [ffffe20000200000-ffffe200003fffff] PMD ->ffff810001600000 on node 0
[ 0.000000] [ffffe20000400000-ffffe200005fffff] PMD ->ffff810001a00000 on node 0
[ 0.000000] [ffffe20000600000-ffffe200007fffff] PMD ->ffff810001e00000 on node 0
[ 0.000000] [ffffe20000800000-ffffe200009fffff] PMD ->ffff810002200000 on node 0
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[ 0.000000] [ffffe20000a00000-ffffe20000bfffff] PMD ->ffff810002600000 on node 0
[ 0.000000] [ffffe20000c00000-ffffe20000dfffff] PMD ->ffff810002a00000 on node 0
[ 0.000000] [ffffe20000e00000-ffffe20000fffff] PMD ->ffff810002e00000 on node 0
[ 0.000000] [ffffe20001000000-ffffe200011fffff] PMD ->ffff810003200000 on node 0
[ 0.000000] [ffffe20001200000-ffffe200013fffff] PMD ->ffff810003600000 on node 0
[ 0.000000] [ffffe20001400000-ffffe200015fffff] PMD ->ffff810003a00000 on node 0
[ 0.000000] [ffffe20001600000-ffffe200017fffff] PMD ->ffff810003e00000 on node 0
[ 0.000000] [ffffe20001800000-ffffe200019fffff] PMD ->ffff810004200000 on node 0
[ 0.000000] [ffffe20001a00000-ffffe20001bfffff] PMD ->ffff810004600000 on node 0
[ 0.000000] Zone PFN ranges:
[ 0.000000] DMA 0 -> 4096
[ 0.000000] DMA32 4096 -> 1048576
[ 0.000000] Normal 1048576 -> 1048576
[ 0.000000] Movable zone start PFN for each node
[ 0.000000] early_node_map[3] active PFN ranges
[ 0.000000] 0: 0 -> 158
[ 0.000000] 0: 256 -> 487424
[ 0.000000] 0: 520192 -> 523760
[ 0.000000] On node 0 totalpages: 490894
[ 0.000000] DMA zone: 56 pages used for memmap
[ 0.000000] DMA zone: 1003 pages reserved
[ 0.000000] DMA zone: 2939 pages, LIFO batch:0
[ 0.000000] DMA32 zone: 7104 pages used for memmap
[ 0.000000] DMA32 zone: 479792 pages, LIFO batch:31
[ 0.000000] Normal zone: 0 pages used for memmap
[ 0.000000] Movable zone: 0 pages used for memmap
[ 0.000000] ACPI: PM-Timer IO Port: 0x1008
[ 0.000000] ACPI: Local APIC address 0xfe00000
[ 0.000000] ACPI: LAPIC (acpi_id[0x00] lapic_id[0x00] enabled)
[ 0.000000] Processor #0 (Bootup-CPU)
[ 0.000000] ACPI: LAPIC (acpi_id[0x01] lapic_id[0x01] enabled)
[ 0.000000] Processor #1
[ 0.000000] ACPI: LAPIC (acpi_id[0x02] lapic_id[0x02] disabled)
[ 0.000000] ACPI: LAPIC (acpi_id[0x03] lapic_id[0x03] disabled)
[ 0.000000] ACPI: LAPIC_NMI (acpi_id[0x00] dfl dfl lint[0x1])
[ 0.000000] ACPI: LAPIC_NMI (acpi_id[0x01] dfl dfl lint[0x1])
[ 0.000000] ACPI: LAPIC_NMI (acpi_id[0x02] dfl dfl lint[0x1])
[ 0.000000] ACPI: LAPIC_NMI (acpi_id[0x03] dfl dfl lint[0x1])
[ 0.000000] ACPI: IOAPIC (id[0x02] address[0xfec00000] gsi_base[0])
[ 0.000000] IOAPIC[0]: apic_id 2, address 0xfec00000, GSI 0-23
[ 0.000000] ACPI: INT_SRC_OVR (bus 0 bus_irq 0 global_irq 2 dfl dfl)
[ 0.000000] ACPI: INT_SRC_OVR (bus 0 bus_irq 9 global_irq 9 high level)
[ 0.000000] ACPI: INT_SRC_OVR (bus 0 bus_irq 14 global_irq 14 high edge)
[ 0.000000] ACPI: INT_SRC_OVR (bus 0 bus_irq 15 global_irq 15 high edge)
[ 0.000000] ACPI: IRQ0 used by override.
[ 0.000000] ACPI: IRQ2 used by override.
[ 0.000000] ACPI: IRQ9 used by override.
[ 0.000000] ACPI: IRQ14 used by override.
[ 0.000000] ACPI: IRQ15 used by override.
[ 0.000000] Setting APIC routing to flat
[ 0.000000] ACPI: HPET id: 0x10de8201 base: 0xfeff0000
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[ 0.000000] Using ACPI (MADT) for SMP configuration information
[ 0.000000] swsusp: Registered nosave memory region: 000000000009e000 – 00000000000a0000
[ 0.000000] swsusp: Registered nosave memory region: 00000000000a0000 – 00000000000f0000
[ 0.000000] swsusp: Registered nosave memory region: 00000000000f0000 – 0000000000100000
[ 0.000000] swsusp: Registered nosave memory region: 0000000077000000 – 000000007f000000
[ 0.000000] Allocating PCI resources starting at 80000000 (gap: 7ff00000:60100000)
[ 0.000000] SMP: Allowing 2 CPUs, 0 hotplug CPUs
[ 0.000000] PERCPU: Allocating 32800 bytes of per cpu data
[ 0.000000] Built 1 zonelists in Zone order, mobility grouping on. Total pages: 482731
[ 0.000000] Kernel command line: root=UUID=5781d9c0-be35-41cc-9eca-64e5d8fffb4 ro quiet splash
[ 0.000000] Initializing CPU#0
[ 0.000000] PID hash table entries: 4096 (order: 12, 32768 bytes)
[ 0.000000] hpet clockevent registered
[ 0.000000] TSC calibrated against HPET
[ 16.611324] time.c: Detected 2333.332 MHz processor.
[ 16.613792] Console: colour VGA+ 80x25
[ 16.613795] console [tty0] enabled
[ 16.614959] Dentry cache hash table entries: 262144 (order: 9, 2097152 bytes)
[ 16.615862] Inode-cache hash table entries: 131072 (order: 8, 1048576 bytes)
[ 16.615991] Checking aperture...
[ 16.633142] Memory: 1922140k/2095040k available (2142k kernel code, 40792k reserved, 1073k data, 220k
init)
[ 16.633175] SLUB: Genslabs=11, HWalig=64, Order=0-1, MinObjects=4, CPUs=2, Nodes=1
[ 16.692150] Calibrating delay using timer specific routine.. 4670.26 BogoMIPS (lpj=2335133)
[ 16.692174] Security Framework initialized
[ 16.692183] Capability LSM initialized
[ 16.692193] Mount-cache hash table entries: 256
[ 16.692305] CPU: L1 I cache: 32K, L1 D cache: 32K
[ 16.692307] CPU: L2 cache: 4096K
[ 16.692309] using mwait in idle threads.
[ 16.692310] CPU: Physical Processor ID: 0
[ 16.692311] CPU: Processor Core ID: 0
[ 16.692316] CPU0: Thermal monitoring enabled (TM2)
[ 16.692326] SMP alternatives: switching to UP code
[ 16.692732] ACPI: Core revision 20070126
[ 16.706424] Using local APIC timer interrupts.
[ 16.749201] APIC timer calibration result 20833311
[ 16.749202] Detected 20.833 MHz APIC timer.
[ 16.749280] SMP alternatives: switching to SMP code
[ 16.749574] Booting processor 1/2 APIC 0x1
[ 16.761049] Initializing CPU#1
[ 16.820067] Calibrating delay using timer specific routine.. 4666.63 BogoMIPS (lpj=2333316)
[ 16.820072] CPU: L1 I cache: 32K, L1 D cache: 32K
[ 16.820073] CPU: L2 cache: 4096K
[ 16.820075] CPU: Physical Processor ID: 0
[ 16.820075] CPU: Processor Core ID: 1
[ 16.820080] CPU1: Thermal monitoring enabled (TM2)
[ 16.820479] Intel(R) Core(TM)2 Duo CPU E6550 @ 2.33GHz stepping 0b
[ 16.820537] checking TSC synchronization [CPU#0 -> CPU#1]: passed.
[ 16.840518] Brought up 2 CPUs
[ 16.840697] net_namespace: 120 bytes
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```
[ 16.840961] NET: Registered protocol family 16
[ 16.841075] ACPI: bus type pci registered
[ 16.842201] PCI: Using MMCONFIG at e0000000 - e1ffffff
[ 16.842673] mtrr: your CPUs had inconsistent fixed MTRR settings
[ 16.842674] mtrr: probably your BIOS does not setup all CPUs.
[ 16.842675] mtrr: corrected configuration.
[ 16.843656] ACPI: EC: Look up EC in DSDT
[ 16.848056] ACPI: Interpreter enabled
[ 16.848058] ACPI: (supports S0 S3 S4 S5)
[ 16.848068] ACPI: Using IOAPIC for interrupt routing
[ 16.854590] ACPI: PCI Root Bridge [PCI0] (0000:00)
[ 16.855700] PCI: Transparent bridge - 0000:00:0a.0
[ 16.855836] ACPI: PCI Interrupt Routing Table [_SB_.PCI0._PRT]
[ 16.856013] ACPI: PCI Interrupt Routing Table [_SB_.PCI0.HUB0._PRT]
[ 16.896492] ACPI: PCI Interrupt Link [LNK1] (IRQs 5 7 9 10 11 14 15) *0, disabled.
[ 16.896613] ACPI: PCI Interrupt Link [LNK2] (IRQs 5 7 9 10 11 14 15) *0, disabled.
[ 16.896733] ACPI: PCI Interrupt Link [LNK3] (IRQs 5 7 9 *10 11 14 15)
[ 16.896851] ACPI: PCI Interrupt Link [LNK4] (IRQs 5 7 9 10 11 14 15) *0, disabled.
[ 16.896973] ACPI: PCI Interrupt Link [LNK5] (IRQs 5 7 9 10 11 14 15) *0, disabled.
[ 16.897091] ACPI: PCI Interrupt Link [LNK6] (IRQs 5 7 9 10 11 14 15) *0, disabled.
[ 16.897209] ACPI: PCI Interrupt Link [LNK7] (IRQs 5 7 9 10 11 14 15) *0, disabled.
[ 16.897327] ACPI: PCI Interrupt Link [LNK8] (IRQs 5 7 9 10 11 14 15) *0, disabled.
[ 16.897445] ACPI: PCI Interrupt Link [LP2P] (IRQs 5 7 9 10 11 14 15) *0, disabled.
[ 16.897564] ACPI: PCI Interrupt Link [LIGP] (IRQs *5 7 9 10 11 14 15)
[ 16.897682] ACPI: PCI Interrupt Link [LUBA] (IRQs 5 7 9 10 *11 14 15)
[ 16.897801] ACPI: PCI Interrupt Link [LUB2] (IRQs *5 7 9 10 11 14 15)
[ 16.897927] ACPI: PCI Interrupt Link [LU1B] (IRQs 5 7 9 10 11 14 15) *0
[ 16.898047] ACPI: PCI Interrupt Link [LU2B] (IRQs 5 7 9 10 11 14 15) *0
[ 16.898166] ACPI: PCI Interrupt Link [LMAC] (IRQs 5 7 9 10 11 14 *15)
[ 16.898285] ACPI: PCI Interrupt Link [LAZA] (IRQs 5 7 9 10 *11 14 15)
[ 16.898403] ACPI: PCI Interrupt Link [LPMU] (IRQs 5 7 9 10 11 14 15) *0, disabled.
[ 16.898522] ACPI: PCI Interrupt Link [LSMB] (IRQs 5 7 9 *10 11 14 15)
[ 16.898646] ACPI: PCI Interrupt Link [LIDE] (IRQs 5 7 9 10 11 14 15) *0, disabled.
[ 16.898766] ACPI: PCI Interrupt Link [LSID] (IRQs 5 7 9 10 *11 14 15)
[ 16.898917] ACPI: PCI Interrupt Link [APC1] (IRQs 16) *0, disabled.
[ 16.899061] ACPI: PCI Interrupt Link [APC2] (IRQs 17) *0, disabled.
[ 16.899202] ACPI: PCI Interrupt Link [APC3] (IRQs 18) *0
[ 16.899343] ACPI: PCI Interrupt Link [APC4] (IRQs 19) *0, disabled.
[ 16.899484] ACPI: PCI Interrupt Link [APC5] (IRQs 16) *0, disabled.
[ 16.899625] ACPI: PCI Interrupt Link [APC6] (IRQs 16) *0, disabled.
[ 16.899766] ACPI: PCI Interrupt Link [APC7] (IRQs 16) *0, disabled.
[ 16.899907] ACPI: PCI Interrupt Link [APC8] (IRQs 16) *0, disabled.
[ 16.900051] ACPI: PCI Interrupt Link [AIGP] (IRQs 20 21 22 23) *0
[ 16.900193] ACPI: PCI Interrupt Link [AUBA] (IRQs 20 21 22 23) *0
[ 16.900335] ACPI: PCI Interrupt Link [AUB2] (IRQs 20 21 22 23) *0
[ 16.900477] ACPI: PCI Interrupt Link [AU1B] (IRQs 20 21 22 23) *0
[ 16.900619] ACPI: PCI Interrupt Link [AU2B] (IRQs 20 21 22 23) *0
[ 16.900761] ACPI: PCI Interrupt Link [APCH] (IRQs 20 21 22 23) *0
[ 16.900903] ACPI: PCI Interrupt Link [APMU] (IRQs 20 21 22 23) *0, disabled.
[ 16.901048] ACPI: PCI Interrupt Link [AAZA] (IRQs 20 21 22 23) *0
[ 16.901189] ACPI: PCI Interrupt Link [APCS] (IRQs 20 21 22 23) *0
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[ 16.901333] ACPI: PCI Interrupt Link [APCM] (IRQs 20 21 22 23) *0, disabled.
[ 16.901476] ACPI: PCI Interrupt Link [APCZ] (IRQs 20 21 22 23) *0, disabled.
[ 16.901620] ACPI: PCI Interrupt Link [APSI] (IRQs 20 21 22 23) *0
[ 16.901712] Linux Plug and Play Support v0.97 (c) Adam Belay
[ 16.901732] pnp: PnP ACPI init
[ 16.901738] ACPI: bus type pnp registered
[ 16.904934] pnp: PnP ACPI: found 12 devices
[ 16.904936] ACPI: ACPI bus type pnp unregistered
[ 16.905026] PCI: Using ACPI for IRQ routing
[ 16.905028] PCI: If a device doesn't work, try "pci=routeirq". If it helps, post a report
[ 16.908984] PCI-GART: No AMD northbridge found.
[ 16.908990] hpet0: at MMIO 0xfeff0000, IRQs 2, 8, 31
[ 16.908993] hpet0: 3 32-bit timers, 25000000 Hz
[ 16.910986] Time: tsc clocksource has been installed.
[ 16.913050] system 00:01: ioport range 0x1000-0x107f has been reserved
[ 16.913052] system 00:01: ioport range 0x1080-0x10ff has been reserved
[ 16.913054] system 00:01: ioport range 0x1400-0x147f has been reserved
[ 16.913056] system 00:01: ioport range 0x1480-0x14ff has been reserved
[ 16.913058] system 00:01: ioport range 0x1800-0x187f has been reserved
[ 16.913060] system 00:01: ioport range 0x1880-0x18ff has been reserved
[ 16.913063] system 00:01: iomem range 0x0-0x0 could not be reserved
[ 16.913065] system 00:01: iomem range 0xfefe0000-0xfefe01ff has been reserved
[ 16.913067] system 00:01: iomem range 0xfefe1000-0xfefe10ff has been reserved
[ 16.913069] system 00:01: iomem range 0x77000000-0x7effffff could not be reserved
[ 16.913074] system 00:02: ioport range 0x4d0-0x4d1 has been reserved
[ 16.913076] system 00:02: ioport range 0x800-0x87f has been reserved
[ 16.913078] system 00:02: ioport range 0x295-0x314 has been reserved
[ 16.913080] system 00:02: ioport range 0x290-0x294 has been reserved
[ 16.913081] system 00:02: ioport range 0x880-0x88f has been reserved
[ 16.913088] system 00:0a: iomem range 0xe0000000-0xe1ffffff could not be reserved
[ 16.913093] system 00:0b: iomem range 0xd0000-0xd3fff has been reserved
[ 16.913095] system 00:0b: iomem range 0xd6800-0xd7fff has been reserved
[ 16.913097] system 00:0b: iomem range 0xf0000-0xfbfff could not be reserved
[ 16.913099] system 00:0b: iomem range 0xfc000-0xfffff could not be reserved
[ 16.913101] system 00:0b: iomem range 0x7fef0000-0x7fefffff could not be reserved
[ 16.913104] system 00:0b: iomem range 0xffff0000-0xffffffff has been reserved
[ 16.913106] system 00:0b: iomem range 0x0-0x9fff could not be reserved
[ 16.913108] system 00:0b: iomem range 0x100000-0x7fefffff could not be reserved
[ 16.913110] system 00:0b: iomem range 0xfec00000-0xfec00fff has been reserved
[ 16.913112] system 00:0b: iomem range 0fee00000-0fee00fff could not be reserved
[ 16.913403] PCI: Bridge: 0000:00:0a.0
[ 16.913404] IO window: disabled.
[ 16.913406] MEM window: e5000000-e50fffff
[ 16.913408] PREFETCH window: disabled.
[ 16.913410] PCI: Bridge: 0000:00:0b.0
[ 16.913411] IO window: 9000-9fff
[ 16.913412] MEM window: disabled.
[ 16.913414] PREFETCH window: disabled.
[ 16.913415] PCI: Bridge: 0000:00:0c.0
[ 16.913416] IO window: b000-bfff
[ 16.913418] MEM window: disabled.
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[ 16.913419] PREFETCH window: disabled.
[ 16.913420] PCI: Bridge: 0000:00:0d.0
[ 16.913421] IO window: a000-afff
[ 16.913422] MEM window: disabled.
[ 16.913424] PREFETCH window: disabled.
[ 16.913429] PCI: Setting latency timer of device 0000:00:0a.0 to 64
[ 16.913434] PCI: Setting latency timer of device 0000:00:0b.0 to 64
[ 16.913438] PCI: Setting latency timer of device 0000:00:0c.0 to 64
[ 16.913441] PCI: Setting latency timer of device 0000:00:0d.0 to 64
[ 16.913447] NET: Registered protocol family 2
[ 16.922217] IP route cache hash table entries: 65536 (order: 7, 524288 bytes)
[ 16.922454] TCP established hash table entries: 262144 (order: 10, 4194304 bytes)
[ 16.923821] TCP bind hash table entries: 65536 (order: 8, 1048576 bytes)
[ 16.924385] TCP: Hash tables configured (established 262144 bind 65536)
[ 16.924387] TCP reno registered
[ 16.927370] checking if image is initramfs... it is
[ 17.171242] Switched to high resolution mode on CPU 1
[ 17.171754] Switched to high resolution mode on CPU 0
[ 17.293466] Freeing initrd memory: 4807k freed
[ 17.297669] Block layer SCSI generic (bsg) driver version 0.4 loaded (major 253)
[ 17.297673] io scheduler noop registered
[ 17.297674] io scheduler anticipatory registered
[ 17.297675] io scheduler deadline registered
[ 17.297741] io scheduler cfq registered (default)
[ 80.466114] Boot video device is 0000:00:10.0
[ 80.466228] PCI: Setting latency timer of device 0000:00:0b.0 to 64
[ 80.466239] assign_interrupt_mode Found MSI capability
[ 80.466250] Allocate Port Service[0000:00:0b.0:pcie00]
[ 80.466275] Allocate Port Service[0000:00:0b.0:pcie03]
[ 80.466312] PCI: Setting latency timer of device 0000:00:0c.0 to 64
[ 80.466322] assign_interrupt_mode Found MSI capability
[ 80.466331] Allocate Port Service[0000:00:0c.0:pcie00]
[ 80.466354] Allocate Port Service[0000:00:0c.0:pcie03]
[ 80.466389] PCI: Setting latency timer of device 0000:00:0d.0 to 64
[ 80.466400] assign_interrupt_mode Found MSI capability
[ 80.466408] Allocate Port Service[0000:00:0d.0:pcie00]
[ 80.466431] Allocate Port Service[0000:00:0d.0:pcie03]
[ 80.467950] Real Time Clock Driver v1.12ac
[ 80.468070] hpet_resources: 0xfeff0000 is busy
[ 80.468091] Linux agpgart interface v0.102
[ 80.468093] Serial: 8250/16550 driver $Revision: 1.90 $ 4 ports, IRQ sharing enabled
[ 80.468189] serial8250: ttyS0 at I/O 0x3f8 (irq = 4) is a 16550A
[ 80.468506] 00:08: ttyS0 at I/O 0x3f8 (irq = 4) is a 16550A
[ 80.468962] RAMDISK driver initialized: 16 RAM disks of 65536K size 1024 blocksize
[ 80.469045] PNP: No PS/2 controller found. Probing ports directly.
[ 80.502667] Failed to disable AUX port, but continuing anyway... Is this a SiS?
[ 80.502669] If AUX port is really absent please use the 'i8042.noaux' option.
[ 80.752182] serio: i8042 KBD port at 0x60,0x64 irq 1
[ 80.752265] mice: PS/2 mouse device common for all mice
[ 80.752289] cpuidle: using governor ladder
[ 80.752290] cpuidle: using governor menu
```

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```
[ 80.752342] TCP cubic registered
[ 80.752385] NET: Registered protocol family 1
[ 80.752473] drivers/rtc/hctosys.c: unable to open rtc device (rtc0)
[ 80.752478] Freeing unused kernel memory: 220k freed
[ 81.863589] fuse init (API version 7.9)
[ 81.868938] ACPI: SSDT 7FEF86C0, 022A (r1 PmRef Cpu0Ist 3000 INTL 20040311)
[ 81.869177] ACPI: SSDT 7FEF8B80, 0152 (r1 PmRef Cpu1Ist 3000 INTL 20040311)
[ 81.869316] ACPI Exception (processor_core-0816): AE_NOT_FOUND, Processor Device is not present
[20070126]
[ 81.869324] ACPI Exception (processor_core-0816): AE_NOT_FOUND, Processor Device is not present
[20070126]
[ 82.035151] SCSI subsystem initialized
[ 82.038621] usbcore: registered new interface driver usbfs
[ 82.038641] usbcore: registered new interface driver hub
[ 82.038784] usbcore: registered new device driver usb
[ 82.040101] libata version 3.00 loaded.
[ 82.040405] ACPI: PCI Interrupt Link [APC3] enabled at IRQ 18
[ 82.040412] ACPI: PCI Interrupt 0000:01:07.0[A] -> Link [APC3] -> GSI 18 (level, low) -> IRQ 18
[ 82.042268] ohci_hcd: 2006 August 04 USB 1.1 'Open' Host Controller (OHCI) Driver
[ 82.042533] ACPI: PCI Interrupt Link [AUBA] enabled at IRQ 23
[ 82.042538] ACPI: PCI Interrupt 0000:00:04.0[A] -> Link [AUBA] -> GSI 23 (level, low) -> IRQ 23
[ 82.043257] PCI: Setting latency timer of device 0000:00:04.0 to 64
[ 82.043261] ohci_hcd 0000:00:04.0: OHCI Host Controller
[ 82.043339] ohci_hcd 0000:00:04.0: new USB bus registered, assigned bus number 1
[ 82.043352] ohci_hcd 0000:00:04.0: irq 23, io mem 0xe5108000
[ 82.095799] usb usb1: configuration #1 chosen from 1 choice
[ 82.095817] hub 1-0:1.0: USB hub found
[ 82.095823] hub 1-0:1.0: 10 ports detected
[ 82.097944] firewire_ohci: Added fw-ohci device 0000:01:07.0, OHCI version 1.10
[ 82.197787] ACPI: PCI Interrupt Link [AUB2] enabled at IRQ 22
[ 82.197792] ACPI: PCI Interrupt 0000:00:04.1[B] -> Link [AUB2] -> GSI 22 (level, low) -> IRQ 22
[ 82.198846] PCI: Setting latency timer of device 0000:00:04.1 to 64
[ 82.198849] ehci_hcd 0000:00:04.1: EHCI Host Controller
[ 82.198890] ehci_hcd 0000:00:04.1: new USB bus registered, assigned bus number 2
[ 82.198910] ehci_hcd 0000:00:04.1: debug port 1
[ 82.198913] PCI: cache line size of 32 is not supported by device 0000:00:04.1
[ 82.198921] ehci_hcd 0000:00:04.1: irq 22, io mem 0xe5107000
[ 82.199903] Uniform Multi-Platform E-IDE driver Revision: 7.00alpha2
[ 82.199906] ide: Assuming 33MHz system bus speed for PIO modes; override with idebus=xx
[ 82.204749] ehci_hcd 0000:00:04.1: USB 2.0 started, EHCI 1.00, driver 10 Dec 2004
[ 82.204831] usb usb2: configuration #1 chosen from 1 choice
[ 82.204851] hub 2-0:1.0: USB hub found
[ 82.204855] hub 2-0:1.0: 10 ports detected
[ 82.305585] ahci 0000:00:0e.0: version 3.0
[ 82.305840] ACPI: PCI Interrupt Link [APSI] enabled at IRQ 21
[ 82.305846] ACPI: PCI Interrupt 0000:00:0e.0[A] -> Link [APSI] -> GSI 21 (level, low) -> IRQ 21
[ 82.596840] firewire_core: created new fw device fw0 (0 config rom retries, S400)
[ 83.099893] usb 2-4: new high speed USB device using ehci_hcd and address 4
[ 83.215011] usb 2-4: configuration #1 chosen from 1 choice
[ 83.215214] hub 2-4:1.0: USB hub found
[ 83.215447] hub 2-4:1.0: 4 ports detected
```

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```
[ 83.305534] ahci 0000:00:0e.0: AHCI 0001.0100 32 slots 4 ports 3 Gbps 0xf impl SATA mode
[ 83.305537] ahci 0000:00:0e.0: flags: 64bit snth led clo pmp pio
[ 83.305540] PCI: Setting latency timer of device 0000:00:0e.0 to 64
[ 83.305720] scsi0 : ahci
[ 83.305755] scsi1 : ahci
[ 83.305781] scsi2 : ahci
[ 83.305807] scsi3 : ahci
[ 83.305866] ata1: SATA max UDMA/133 abar m8192@0xe5104000 port 0xe5104100 irq 316
[ 83.305868] ata2: SATA max UDMA/133 abar m8192@0xe5104000 port 0xe5104180 irq 316
[ 83.305870] ata3: SATA max UDMA/133 abar m8192@0xe5104000 port 0xe5104200 irq 316
[ 83.305871] ata4: SATA max UDMA/133 abar m8192@0xe5104000 port 0xe5104280 irq 316
[ 83.578039] usb 1-1: new full speed USB device using ohci_hcd and address 2
[ 83.609981] ata1: SATA link down (SStatus 0 SControl 300)
[ 83.783469] usb 1-1: configuration #1 chosen from 1 choice
[ 84.049192] usb 1-2: new low speed USB device using ohci_hcd and address 3
[ 84.217890] ata2: SATA link up 3.0 Gbps (SStatus 123 SControl 300)
[ 84.236683] ata2.00: ATA-8: WDC WD3200AAKS-00VYA0, 12.01B02, max UDMA/133
[ 84.236686] ata2.00: 625142448 sectors, multi 0: LBA48 NCQ (depth 0/32)
[ 84.237425] ata2.00: configured for UDMA/133
[ 84.240578] usb 1-2: configuration #1 chosen from 1 choice
[ 84.413731] usb 2-4.1: new high speed USB device using ehci_hcd and address 5
[ 84.502743] usb 2-4.1: configuration #1 chosen from 1 choice
[ 84.504193] usbcore: registered new interface driver hiddev
[ 84.515014] input: PDT VoIPVoice USB Phone as /class/input/input0
[ 84.517356] input: USB HID v1.00 Device [PDT VoIPVoice USB Phone] on usb-0000:00:04.0-1
[ 84.523162] input: BTC USB Multimedia Cordless Kit as /class/input/input1
[ 84.525337] input: USB HID v1.00 Keyboard [BTC USB Multimedia Cordless Kit ] on usb-0000:00:04.0-2
[ 84.538423] input: BTC USB Multimedia Cordless Kit as /class/input/input2
[ 84.546334] input,hiddev96: USB HID v1.00 Mouse [BTC USB Multimedia Cordless Kit ] on
usb-0000:00:04.0-2
[ 84.546345] usbcore: registered new interface driver usbhid
[ 84.546348] drivers/hid/usbhid/hid-core.c: v2.6:USB HID core driver
[ 84.546729] usbcore: registered new interface driver libusual
[ 84.549002] Initializing USB Mass Storage driver...
[ 84.549617] scsi4 : SCSI emulation for USB Mass Storage devices
[ 84.549983] usbcore: registered new interface driver usb-storage
[ 84.549986] USB Mass Storage support registered.
[ 84.550049] usb-storage: device found at 5
[ 84.550050] usb-storage: waiting for device to settle before scanning
[ 84.844763] ata3: SATA link up 1.5 Gbps (SStatus 113 SControl 300)
[ 84.845851] ata3.00: ATAPI: TSSTcorp CDDVDW SH-S203N, SB01, max UDMA/100, ATAPI AN
[ 84.997350] ata3.00: configured for UDMA/100
[ 85.300946] ata4: SATA link down (SStatus 0 SControl 300)
[ 85.301036] scsi 1:0:0:0: Direct-Access ATA WDC WD3200AAKS-0 12.0 PQ: 0 ANSI: 5
[ 85.301667] scsi 2:0:0:0: CD-ROM TSSTcorp CDDVDW SH-S203N SB01 PQ: 0 ANSI: 5
[ 85.301748] NFORCE-MCP73: IDE controller (0x10de:0x056c rev 0xa1) at PCI slot 0000:00:08.0
[ 85.301772] NFORCE-MCP73: not 100% native mode: will probe irqs later
[ 85.301776] NFORCE-MCP73: 0000:00:08.0 (rev a1) UDMA133 controller
[ 85.301781] ide0: BM-DMA at 0xf000-0xf007, BIOS settings: hda:DMA, hdb:DMA
[ 85.301786] NFORCE-MCP73: IDE port disabled
[ 85.301789] Probing IDE interface ide0...
```

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```
[ 85.307804] Driver 'sd' needs updating – please use bus_type methods
[ 85.307849] sd 1:0:0:0: [sda] 625142448 512-byte hardware sectors (320073 MB)
[ 85.307857] sd 1:0:0:0: [sda] Write Protect is off
[ 85.307858] sd 1:0:0:0: [sda] Mode Sense: 00 3a 00 00
[ 85.307870] sd 1:0:0:0: [sda] Write cache: enabled, read cache: enabled, doesn't support DPO or FUA
[ 85.307902] sd 1:0:0:0: [sda] 625142448 512-byte hardware sectors (320073 MB)
[ 85.307908] sd 1:0:0:0: [sda] Write Protect is off
[ 85.307910] sd 1:0:0:0: [sda] Mode Sense: 00 3a 00 00
[ 85.307924] sd 1:0:0:0: [sda] Write cache: enabled, read cache: enabled, doesn't support DPO or FUA
[ 85.307927] sda: sda1 sda2 sda3 sda4 <<4>Driver 'sr' needs updating – please use bus_type methods
[ 85.322642] sda5 sda6 sda7 sda8 sda9 >
[ 85.348854] sd 1:0:0:0: [sda] Attached SCSI disk
[ 85.351787] sd 1:0:0:0: Attached scsi generic sg0 type 0
[ 85.351801] sr 2:0:0:0: Attached scsi generic sg1 type 5
[ 85.355251] sr0: scsi3–mmc drive: 48x/48x writer dvd–ram cd/rw xa/form2 cdda tray
[ 85.355254] Uniform CD–ROM driver Revision: 3.20
[ 85.355283] sr 2:0:0:0: Attached scsi CD–ROM sr0
[ 85.621136] Attempting manual resume
[ 85.621138] swsusp: Resume From Partition 8:2
[ 85.621140] PM: Checking swsusp image.
[ 85.665528] PM: Resume from disk failed.
[ 85.668808] JFS: nTxBlock = 8192, nTxLock = 65536
[ 85.819054] forcedeth: Reverse Engineered nForce ethernet driver. Version 0.61.
[ 85.819356] ACPI: PCI Interrupt Link [APCH] enabled at IRQ 20
[ 85.819362] ACPI: PCI Interrupt 0000:00:0f.0[A] –> Link [APCH] –> GSI 20 (level, low) –> IRQ 20
[ 85.819366] PCI: Setting latency timer of device 0000:00:0f.0 to 64
[ 86.330777] forcedeth 0000:00:0f.0: ifname eth0, PHY OUI 0x732 @ 1, addr 00:1a:4d:59:db:59
[ 86.330780] forcedeth 0000:00:0f.0: highdma pwrctl mgmt timirq gbit lntim msi desc–v3
[ 89.540463] usb–storage: device scan complete
[ 89.541082] scsi 4:0:0:0: Direct–Access Generic USB SD Reader 1.00 PQ: 0 ANSI: 0
[ 89.542081] scsi 4:0:0:1: Direct–Access Generic USB CF Reader 1.01 PQ: 0 ANSI: 0
[ 89.543080] scsi 4:0:0:2: Direct–Access Generic USB SM Reader 1.02 PQ: 0 ANSI: 0
[ 89.544474] scsi 4:0:0:3: Direct–Access Generic USB MS Reader 1.03 PQ: 0 ANSI: 0
[ 89.548098] sd 4:0:0:0: [sdb] Attached SCSI removable disk
[ 89.548129] sd 4:0:0:0: Attached scsi generic sg2 type 0
[ 89.550079] sd 4:0:0:1: [sdc] Attached SCSI removable disk
[ 89.550102] sd 4:0:0:1: Attached scsi generic sg3 type 0
[ 89.552078] sd 4:0:0:2: [sdd] Attached SCSI removable disk
[ 89.552103] sd 4:0:0:2: Attached scsi generic sg4 type 0
[ 89.555073] sd 4:0:0:3: [sde] Attached SCSI removable disk
[ 89.555099] sd 4:0:0:3: Attached scsi generic sg5 type 0
[ 89.917685] input: Power Button (FF) as /class/input/input3
[ 89.930889] ACPI: Power Button (FF) [PWRF]
[ 89.930935] input: Power Button (CM) as /class/input/input4
[ 89.946858] ACPI: Power Button (CM) [PWRB]
[ 90.358790] input: PC Speaker as /class/input/input5
[ 90.538483] nvidia: module license 'NVIDIA' taints kernel.
[ 90.717296] ACPI: PCI Interrupt Link [AAZA] enabled at IRQ 23
[ 90.717300] ACPI: PCI Interrupt 0000:00:09.0[A] –> Link [AAZA] –> GSI 23 (level, low) –> IRQ 23
[ 90.718224] PCI: Setting latency timer of device 0000:00:09.0 to 64
[ 90.769350] hda_codec: Unknown model for ALC882, trying auto–probe from BIOS...
```

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```
[ 90.837690] ACPI: PCI Interrupt Link [AIGP] enabled at IRQ 22
[ 90.837693] ACPI: PCI Interrupt 0000:00:10.0[A] -> Link [AIGP] -> GSI 22 (level, low) -> IRQ 22
[ 90.837698] PCI: Setting latency timer of device 0000:00:10.0 to 64
[ 90.837781] NVRM: loading NVIDIA UNIX x86_64 Kernel Module 169.09 Fri Jan 11 14:04:37 PST 2008
[ 91.098364] usbcore: registered new interface driver snd-usb-audio
[ 91.786114] it87: Found IT8718F chip at 0x290, revision 4
[ 91.786124] it87: in3 is VCC (+5V)
[ 91.790763] coretemp coretemp.0: Using undocumented features, absolute temperature might be wrong!
[ 91.790795] coretemp coretemp.1: Using undocumented features, absolute temperature might be wrong!
[ 91.837871] Adding 2000084k swap on /dev/sda2. Priority:-1 extents:1 across:2000084k
[ 92.257649] device-mapper: ioctl: 4.12.0-ioctl (2007-10-02) initialised: dm-devel@xxxxxxxxxxx
[ 92.959304] kjournald starting. Commit interval 5 seconds
[ 92.967363] EXT3 FS on sda1, internal journal
[ 92.967366] EXT3-fs: mounted filesystem with ordered data mode.
[ 94.267461] No dock devices found.
[ 97.281227] NET: Registered protocol family 10
[ 97.281380] lo: Disabled Privacy Extensions
[ 105.633591] Bluetooth: Core ver 2.11
[ 105.633647] NET: Registered protocol family 31
[ 105.633648] Bluetooth: HCI device and connection manager initialized
[ 105.633651] Bluetooth: HCI socket layer initialized
[ 105.641882] Bluetooth: L2CAP ver 2.9
[ 105.641886] Bluetooth: L2CAP socket layer initialized
[ 105.649888] Bluetooth: RFCOMM socket layer initialized
[ 105.649901] Bluetooth: RFCOMM TTY layer initialized
[ 105.649903] Bluetooth: RFCOMM ver 1.8
[ 109.731886] NET: Registered protocol family 17
[ 122.313358] eth0: no IPv6 routers present
#
# Automatically generated make config: don't edit
# Linux kernel version: 2.6.24.1
# Sat Feb 9 08:36:54 2008
#
CONFIG_64BIT=y
# CONFIG_X86_32 is not set
CONFIG_X86_64=y
CONFIG_X86=y
CONFIG_GENERIC_TIME=y
CONFIG_GENERIC_CMOS_UPDATE=y
CONFIG_CLOCKSOURCE_WATCHDOG=y
CONFIG_GENERIC_CLOCKEVENTS=y
CONFIG_GENERIC_CLOCKEVENTS_BROADCAST=y
CONFIG_LOCKDEP_SUPPORT=y
CONFIG_STACKTRACE_SUPPORT=y
CONFIG_SEMAPHORE_SLEEPERS=y
CONFIG_MMU=y
CONFIG_ZONE_DMA=y
# CONFIG_QUICKLIST is not set
CONFIG_GENERIC_ISA_DMA=y
CONFIG_GENERIC_IOMAP=y
CONFIG_GENERIC_BUG=y
```

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```
CONFIG_GENERIC_HWEIGHT=y
CONFIG_ARCH_MAY_HAVE_PC_FDC=y
CONFIG_DMI=y
CONFIG_RWSEM_GENERIC_SPINLOCK=y
# CONFIG_RWSEM_XCHGADD_ALGORITHM is not set
# CONFIG_ARCH_HAS_ILOG2_U32 is not set
# CONFIG_ARCH_HAS_ILOG2_U64 is not set
CONFIG_GENERIC_CALIBRATE_DELAY=y
CONFIG_GENERIC_TIME_VSYSCALL=y
CONFIG_ARCH_SUPPORTS_OPROFILE=y
CONFIG_ZONE_DMA32=y
CONFIG_ARCH_POPULATES_NODE_MAP=y
CONFIG_AUDIT_ARCH=y
CONFIG_GENERIC_HARDIRQS=y
CONFIG_GENERIC_IRQ_PROBE=y
CONFIG_GENERIC_PENDING_IRQ=y
CONFIG_X86_HT=y
# CONFIG_KTIME_SCALAR is not set
CONFIG_DEFCONFIG_LIST="/lib/modules/$UNAME_RELEASE/.config"

#
# General setup
#
CONFIG_EXPERIMENTAL=y
CONFIG_LOCK_KERNEL=y
CONFIG_INIT_ENV_ARG_LIMIT=32
CONFIG_LOCALVERSION=""
# CONFIG_LOCALVERSION_AUTO is not set
CONFIG_SWAP=y
CONFIG_SYSVIPC=y
CONFIG_SYSVIPC_SYSCTL=y
CONFIG_POSIX_QUEUE=y
CONFIG_BSD_PROCESS_ACCT=y
CONFIG_BSD_PROCESS_ACCT_V3=y
# CONFIG_TASKSTATS is not set
# CONFIG_USER_NS is not set
# CONFIG_PID_NS is not set
# CONFIG_AUDIT is not set
CONFIG_IKCONFIG=m
CONFIG_IKCONFIG_PROC=y
CONFIG_LOG_BUF_SHIFT=17
# CONFIG_CGROUPS is not set
CONFIG_FAIR_GROUP_SCHED=y
CONFIG_FAIR_USER_SCHED=y
# CONFIG_FAIR_CGROUP_SCHED is not set
CONFIG_SYSFS_DEPRECATED=y
CONFIG_RELAY=y
CONFIG_BLK_DEV_INITRD=y
CONFIG_INITRAMFS_SOURCE=""
# CONFIG_CC_OPTIMIZE_FOR_SIZE is not set
CONFIG_SYSCTL=y
```

One minute delay when booting 2.6.24.1

One minute delay when booting 2.6.24.1

```
# CONFIG_EMBEDDED is not set
CONFIG_UID16=y
CONFIG_SYSCTL_SYSCALL=y
CONFIG_KALLSYMS=y
CONFIG_KALLSYMS_ALL=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_ANON_INODES=y
CONFIG_EPOLL=y
CONFIG_SIGNALFD=y
CONFIG_EVENTFD=y
CONFIG_SHMEM=y
CONFIG_VM_EVENT_COUNTERS=y
CONFIG_SLUB_DEBUG=y
# CONFIG_SLAB is not set
CONFIG_SLUB=y
# CONFIG_SLOB is not set
CONFIG_SLABINFO=y
CONFIG_RT_MUTEXES=y
# CONFIG_TINY_SHMEM is not set
CONFIG_BASE_SMALL=0
CONFIG_MODULES=y
CONFIG_MODULE_UNLOAD=y
# CONFIG_MODULE_FORCE_UNLOAD is not set
# CONFIG_MODVERSIONS is not set
# CONFIG_MODULE_SRCVERSION_ALL is not set
CONFIG_KMOD=y
CONFIG_STOP_MACHINE=y
CONFIG_BLOCK=y
CONFIG_BLK_DEV_IO_TRACE=y
CONFIG_BLK_DEV_BSG=y
CONFIG_BLOCK_COMPAT=y

#
# 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 is not set
CONFIG_DEFAULT_CFQ=y
# CONFIG_DEFAULT_NOOP is not set
CONFIG_DEFAULT_IOSCHED="cfq"
CONFIG_PREEMPT_NOTIFIERS=y
```

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```
#
# Processor type and features
#
CONFIG_TICK_ONESHOT=y
CONFIG_NO_HZ=y
CONFIG_HIGH_RES_TIMERS=y
CONFIG_GENERIC_CLOCKEVENTS_BUILD=y
CONFIG_SMP=y
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_X86_VSMP 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 is not set
# 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_MVIAC7 is not set
# CONFIG_MPSC is not set
CONFIG_MCORE2=y
# CONFIG_GENERIC_CPU is not set
CONFIG_X86_L1_CACHE_BYTES=64
CONFIG_X86_INTERNODE_CACHE_BYTES=64
CONFIG_X86_CMPXCHG=y
CONFIG_X86_L1_CACHE_SHIFT=6
CONFIG_X86_GOOD_APIC=y
CONFIG_X86_INTEL_USERCOPY=y
```

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```
CONFIG_X86_USE_PPRO_CHECKSUM=y
CONFIG_X86_TSC=y
CONFIG_X86_MINIMUM_CPU_FAMILY=64
CONFIG_HPET_TIMER=y
CONFIG_HPET_EMULATE_RTC=y
CONFIG_GART_IOMMU=y
# CONFIG_CALGARY_IOMMU is not set
CONFIG_SWIOTLB=y
CONFIG_NR_CPUS=2
# CONFIG_SCHED_SMT is not set
CONFIG_SCHED_MC=y
# CONFIG_PREEMPT_NONE is not set
# CONFIG_PREEMPT_VOLUNTARY is not set
CONFIG_PREEMPT=y
CONFIG_PREEMPT_BKL=y
CONFIG_X86_LOCAL_APIC=y
CONFIG_X86_IO_APIC=y
CONFIG_X86_MCE=y
CONFIG_X86_MCE_INTEL=y
# CONFIG_X86_MCE_AMD is not set
CONFIG_MICROCODE=m
CONFIG_MICROCODE_OLD_INTERFACE=y
CONFIG_X86_MSR=m
CONFIG_X86_CPUID=m
# CONFIG_NUMA is not set
CONFIG_ARCH_FLATMEM_ENABLE=y
CONFIG_ARCH_SPARSEMEM_ENABLE=y
CONFIG_SELECT_MEMORY_MODEL=y
# CONFIG_FLATMEM_MANUAL is not set
# CONFIG_DISCONTIGMEM_MANUAL is not set
CONFIG_SPARSEMEM_MANUAL=y
CONFIG_SPARSEMEM=y
CONFIG_HAVE_MEMORY_PRESENT=y
# CONFIG_SPARSEMEM_STATIC is not set
CONFIG_SPARSEMEM_EXTREME=y
CONFIG_SPARSEMEM_VMEMMAP_ENABLE=y
CONFIG_SPARSEMEM_VMEMMAP=y

#
# Memory hotplug is currently incompatible with Software Suspend
#
CONFIG_SPLIT_PTLOCK_CPUS=4
CONFIG_RESOURCES_64BIT=y
CONFIG_ZONE_DMA_FLAG=1
CONFIG_BOUNCE=y
CONFIG_VIRT_TO_BUS=y
CONFIG_MTRR=y
CONFIG_SECCOMP=y
# CONFIG_CC_STACKPROTECTOR is not set
# CONFIG_HZ_100 is not set
# CONFIG_HZ_250 is not set
```

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```
# CONFIG_HZ_300 is not set
CONFIG_HZ_1000=y
CONFIG_HZ=1000
# CONFIG_KEXEC is not set
# CONFIG_CRASH_DUMP is not set
CONFIG_PHYSICAL_START=0x200000
# CONFIG_RELOCATABLE is not set
CONFIG_PHYSICAL_ALIGN=0x200000
CONFIG_HOTPLUG_CPU=y
CONFIG_ARCH_ENABLE_MEMORY_HOTPLUG=y

#
# Power management options
#
CONFIG_ARCH_HIBERNATION_HEADER=y
CONFIG_PM=y
CONFIG_PM_LEGACY=y
CONFIG_PM_DEBUG=y
# CONFIG_PM_VERBOSE is not set
# CONFIG_PM_TRACE is not set
CONFIG_PM_SLEEP_SMP=y
CONFIG_PM_SLEEP=y
CONFIG_SUSPEND_SMP_POSSIBLE=y
CONFIG_SUSPEND=y
CONFIG_HIBERNATION_SMP_POSSIBLE=y
CONFIG_HIBERNATION=y
CONFIG_PM_STD_PARTITION=""
CONFIG_ACPI=y
CONFIG_ACPI_SLEEP=y
CONFIG_ACPI_PROCFS=y
CONFIG_ACPI_PROCFS_POWER=y
CONFIG_ACPI_SYSFS_POWER=y
CONFIG_ACPI_PROC_EVENT=y
CONFIG_ACPI_AC=m
CONFIG_ACPI_BATTERY=m
CONFIG_ACPI_BUTTON=m
CONFIG_ACPI_FAN=m
CONFIG_ACPI_DOCK=m
CONFIG_ACPI_BAY=m
CONFIG_ACPI_PROCESSOR=m
CONFIG_ACPI_HOTPLUG_CPU=y
CONFIG_ACPI_THERMAL=m
# CONFIG_ACPI_ASUS is not set
# CONFIG_ACPI_TOSHIBA 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_X86_PM_TIMER=y
CONFIG_ACPI_CONTAINER=m
```

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```
# CONFIG_ACPI_SBS 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=m
CONFIG_CPU_FREQ_STAT_DETAILS=y
# CONFIG_CPU_FREQ_DEFAULT_GOV_PERFORMANCE is not set
# CONFIG_CPU_FREQ_DEFAULT_GOV_USERSPACE is not set
CONFIG_CPU_FREQ_DEFAULT_GOV_ONDEMAND=y
# CONFIG_CPU_FREQ_DEFAULT_GOV_CONSERVATIVE is not set
CONFIG_CPU_FREQ_GOV_PERFORMANCE=y
CONFIG_CPU_FREQ_GOV_POWERSAVE=m
CONFIG_CPU_FREQ_GOV_USERSPACE=m
CONFIG_CPU_FREQ_GOV_ONDEMAND=y
CONFIG_CPU_FREQ_GOV_CONSERVATIVE=m

#
# CPUFreq processor drivers
#
CONFIG_X86_ACPI_CPUFREQ=m
# CONFIG_X86_POWERNOW_K8 is not set
# CONFIG_X86_SPEEDSTEP_CENTRINO is not set
# CONFIG_X86_P4_CLOCKMOD is not set

#
# shared options
#
# CONFIG_X86_ACPI_CPUFREQ_PROC_INTF is not set
# CONFIG_X86_SPEEDSTEP_LIB is not set
CONFIG_CPU_IDLE=y
CONFIG_CPU_IDLE_GOV_LADDER=y
CONFIG_CPU_IDLE_GOV_MENU=y

#
# Bus options (PCI etc.)
#
CONFIG_PCI=y
CONFIG_PCI_DIRECT=y
CONFIG_PCI_MMCONFIG=y
CONFIG_PCI_DOMAINS=y
# CONFIG_DMAR is not set
CONFIG_PCIEPORTBUS=y
CONFIG_PCIEAER=y
CONFIG_ARCH_SUPPORTS_MSI=y
CONFIG_PCI_MSI=y
CONFIG_PCI_LEGACY=y
# CONFIG_PCI_DEBUG is not set
```

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```
# CONFIG_HT_IRQ is not set
CONFIG_ISA_DMA_API=y
CONFIG_K8_NB=y
# CONFIG_PCCARD is not set
# CONFIG_HOTPLUG_PCI is not set

#
# Executable file formats / Emulations
#
CONFIG_BINFMT_ELF=y
CONFIG_BINFMT_MISC=m
CONFIG_IA32_EMULATION=y
# CONFIG_IA32_AOUT is not set
CONFIG_COMPAT=y
CONFIG_COMPAT_FOR_U64_ALIGNMENT=y
CONFIG_SYSVIPC_COMPAT=y

#
# Networking
#
CONFIG_NET=y

#
# Networking options
#
CONFIG_PACKET=m
CONFIG_PACKET_MMAP=y
CONFIG_UNIX=y
CONFIG_XFRM=y
# CONFIG_XFRM_USER is not set
# CONFIG_XFRM_SUB_POLICY is not set
# CONFIG_XFRM_MIGRATE is not set
CONFIG_NET_KEY=m
# CONFIG_NET_KEY_MIGRATE is not set
CONFIG_INET=y
# CONFIG_IP_MULTICAST is not set
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=y
CONFIG_IP_ROUTE_MULTIPATH=y
CONFIG_IP_ROUTE_VERBOSE=y
# CONFIG_IP_PNP is not set
# CONFIG_NET_IPIP is not set
# CONFIG_NET_IPGRE is not set
# CONFIG_ARPD is not set
CONFIG_SYN_COOKIES=y
CONFIG_INET_AH=m
CONFIG_INET_ESP=m
CONFIG_INET_IPCOMP=m
```

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```
CONFIG_INET_XFRM_TUNNEL=m
CONFIG_INET_TUNNEL=m
CONFIG_INET_XFRM_MODE_TRANSPORT=m
CONFIG_INET_XFRM_MODE_TUNNEL=m
CONFIG_INET_XFRM_MODE_BEET=m
CONFIG_INET_LRO=y
CONFIG_INET_DIAG=y
CONFIG_INET_TCP_DIAG=y
# CONFIG_TCP_CONG_ADVANCED is not set
CONFIG_TCP_CONG_CUBIC=y
CONFIG_DEFAULT_TCP_CONG="cubic"
# CONFIG_TCP_MD5SIG is not set
# CONFIG_IP_VS is not set
CONFIG_IPV6=m
CONFIG_IPV6_PRIVACY=y
# CONFIG_IPV6_ROUTER_PREF is not set
# CONFIG_IPV6_OPTIMISTIC_DAD is not set
CONFIG_INET6_AH=m
CONFIG_INET6_ESP=m
CONFIG_INET6_IPCOMP=m
# CONFIG_IPV6_MIP6 is not set
CONFIG_INET6_XFRM_TUNNEL=m
CONFIG_INET6_TUNNEL=m
CONFIG_INET6_XFRM_MODE_TRANSPORT=m
CONFIG_INET6_XFRM_MODE_TUNNEL=m
CONFIG_INET6_XFRM_MODE_BEET=m
CONFIG_INET6_XFRM_MODE_ROUTEOPTIMIZATION=m
CONFIG_IPV6_SIT=m
CONFIG_IPV6_TUNNEL=m
# CONFIG_IPV6_MULTIPLE_TABLES is not set
# CONFIG_NETLABEL is not set
# CONFIG_NETWORK_SECMARK is not set
CONFIG_NETFILTER=y
# CONFIG_NETFILTER_DEBUG is not set
CONFIG_BRIDGE_NETFILTER=y

#
# Core Netfilter Configuration
#
CONFIG_NETFILTER_NETLINK=m
CONFIG_NETFILTER_NETLINK_QUEUE=m
CONFIG_NETFILTER_NETLINK_LOG=m
CONFIG_NF_CONNTRACK_ENABLED=m
CONFIG_NF_CONNTRACK=m
CONFIG_NF_CT_ACCT=y
CONFIG_NF_CONNTRACK_MARK=y
CONFIG_NF_CONNTRACK_EVENTS=y
CONFIG_NF_CT_PROTO_GRE=m
CONFIG_NF_CT_PROTO_SCTP=m
# CONFIG_NF_CT_PROTO_UDPLITE is not set
CONFIG_NF_CONNTRACK_AMANDA=m
```

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```
CONFIG_NF_CONNTRACK_FTP=m
CONFIG_NF_CONNTRACK_H323=m
CONFIG_NF_CONNTRACK_IRC=m
CONFIG_NF_CONNTRACK_NETBIOS_NS=m
CONFIG_NF_CONNTRACK_PPTP=m
# CONFIG_NF_CONNTRACK_SANE is not set
CONFIG_NF_CONNTRACK_SIP=m
CONFIG_NF_CONNTRACK_TFTP=m
CONFIG_NF_CT_NETLINK=m
CONFIG_NETFILTER_XTABLES=m
CONFIG_NETFILTER_XT_TARGET_CLASSIFY=m
CONFIG_NETFILTER_XT_TARGET_CONNMARK=m
CONFIG_NETFILTER_XT_TARGET_DSCP=m
CONFIG_NETFILTER_XT_TARGET_MARK=m
CONFIG_NETFILTER_XT_TARGET_NFQUEUE=m
CONFIG_NETFILTER_XT_TARGET_NFLOG=m
CONFIG_NETFILTER_XT_TARGET_NOTRACK=m
CONFIG_NETFILTER_XT_TARGET_TRACE=m
CONFIG_NETFILTER_XT_TARGET_TCPMSS=m
CONFIG_NETFILTER_XT_MATCH_COMMENT=m
CONFIG_NETFILTER_XT_MATCH_CONNBYTES=m
CONFIG_NETFILTER_XT_MATCH_CONNLIMIT=m
CONFIG_NETFILTER_XT_MATCH_CONNMARK=m
CONFIG_NETFILTER_XT_MATCH_CONNTRACK=m
CONFIG_NETFILTER_XT_MATCH_DCCP=m
CONFIG_NETFILTER_XT_MATCH_DSCP=m
CONFIG_NETFILTER_XT_MATCH_ESP=m
CONFIG_NETFILTER_XT_MATCH_HELPER=m
CONFIG_NETFILTER_XT_MATCH_LENGTH=m
CONFIG_NETFILTER_XT_MATCH_LIMIT=m
CONFIG_NETFILTER_XT_MATCH_MAC=m
CONFIG_NETFILTER_XT_MATCH_MARK=m
CONFIG_NETFILTER_XT_MATCH_POLICY=m
CONFIG_NETFILTER_XT_MATCH_MULTIPORT=m
CONFIG_NETFILTER_XT_MATCH_PHYSDEV=m
CONFIG_NETFILTER_XT_MATCH_PKTTYPE=m
CONFIG_NETFILTER_XT_MATCH_QUOTA=m
CONFIG_NETFILTER_XT_MATCH_REALM=m
CONFIG_NETFILTER_XT_MATCH_SCTP=m
CONFIG_NETFILTER_XT_MATCH_STATE=m
CONFIG_NETFILTER_XT_MATCH_STATISTIC=m
CONFIG_NETFILTER_XT_MATCH_STRING=m
CONFIG_NETFILTER_XT_MATCH_TCPMSS=m
CONFIG_NETFILTER_XT_MATCH_TIME=m
CONFIG_NETFILTER_XT_MATCH_U32=m
CONFIG_NETFILTER_XT_MATCH_HASHLIMIT=m

#
# IP: Netfilter Configuration
#
CONFIG_NF_CONNTRACK_IPV4=m
```

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```
CONFIG_NF_CONNTRACK_PROC_COMPAT=y
CONFIG_IP_NF_QUEUE=m
CONFIG_IP_NF_IPTABLES=m
CONFIG_IP_NF_MATCH_IPRANGE=m
CONFIG_IP_NF_MATCH_TOS=m
CONFIG_IP_NF_MATCH_RECENT=m
CONFIG_IP_NF_MATCH_ECN=m
CONFIG_IP_NF_MATCH_AH=m
CONFIG_IP_NF_MATCH_TTL=m
CONFIG_IP_NF_MATCH_OWNER=m
CONFIG_IP_NF_MATCH_ADDRTYPE=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_NF_NAT=m
CONFIG_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_NF_NAT_SNMP_BASIC=m
CONFIG_NF_NAT_PROTO_GRE=m
CONFIG_NF_NAT_FTP=m
CONFIG_NF_NAT_IRC=m
CONFIG_NF_NAT_TFTP=m
CONFIG_NF_NAT_AMANDA=m
CONFIG_NF_NAT_PPTP=m
CONFIG_NF_NAT_H323=m
CONFIG_NF_NAT_SIP=m
CONFIG_IP_NF_MANGLE=m
CONFIG_IP_NF_TARGET_TOS=m
CONFIG_IP_NF_TARGET_ECN=m
CONFIG_IP_NF_TARGET_TTL=m
CONFIG_IP_NF_TARGET_CLUSTERIP=m
CONFIG_IP_NF_RAW=m
CONFIG_IP_NF_ARPTABLES=m
CONFIG_IP_NF_ARPFILTER=m
CONFIG_IP_NF_ARP_MANGLE=m

#
# IPv6: Netfilter Configuration (EXPERIMENTAL)
#
CONFIG_NF_CONNTRACK_IPV6=m
CONFIG_IP6_NF_QUEUE=m
CONFIG_IP6_NF_IPTABLES=m
CONFIG_IP6_NF_MATCH_RT=m
CONFIG_IP6_NF_MATCH_OPTS=m
CONFIG_IP6_NF_MATCH_FRAG=m
CONFIG_IP6_NF_MATCH_HL=m
CONFIG_IP6_NF_MATCH_OWNER=m
```

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```
CONFIG_IP6_NF_MATCH_IPV6HEADER=m
CONFIG_IP6_NF_MATCH_AH=m
CONFIG_IP6_NF_MATCH_MH=m
CONFIG_IP6_NF_MATCH_EUI64=m
CONFIG_IP6_NF_FILTER=m
CONFIG_IP6_NF_TARGET_LOG=m
CONFIG_IP6_NF_TARGET_REJECT=m
CONFIG_IP6_NF_MANGLE=m
CONFIG_IP6_NF_TARGET_HL=m
CONFIG_IP6_NF_RAW=m
```

```
#
```

```
# Bridge: Netfilter Configuration
```

```
#
```

```
CONFIG_BRIDGE_NF_EBTABLES=m
CONFIG_BRIDGE_EBT_BROUTE=m
CONFIG_BRIDGE_EBT_T_FILTER=m
CONFIG_BRIDGE_EBT_T_NAT=m
CONFIG_BRIDGE_EBT_802_3=m
CONFIG_BRIDGE_EBT_AMONG=m
CONFIG_BRIDGE_EBT_ARP=m
CONFIG_BRIDGE_EBT_IP=m
CONFIG_BRIDGE_EBT_LIMIT=m
CONFIG_BRIDGE_EBT_MARK=m
CONFIG_BRIDGE_EBT_PKTTYPE=m
CONFIG_BRIDGE_EBT_STP=m
CONFIG_BRIDGE_EBT_VLAN=m
CONFIG_BRIDGE_EBT_ARPREPLY=m
CONFIG_BRIDGE_EBT_DNAT=m
CONFIG_BRIDGE_EBT_MARK_T=m
CONFIG_BRIDGE_EBT_REDIRECT=m
CONFIG_BRIDGE_EBT_SNAT=m
CONFIG_BRIDGE_EBT_LOG=m
CONFIG_BRIDGE_EBT_ULOG=m
# CONFIG_IP_DCCP is not set
CONFIG_IP_SCTP=m
# CONFIG_SCTP_DBG_MSG is not set
# CONFIG_SCTP_DBG_OBJCNT is not set
# CONFIG_SCTP_HMAC_NONE is not set
# CONFIG_SCTP_HMAC_SHA1 is not set
CONFIG_SCTP_HMAC_MD5=y
# CONFIG_TIPC is not set
# CONFIG_ATM is not set
CONFIG_BRIDGE=m
CONFIG_VLAN_8021Q=m
# CONFIG_DECNET is not set
CONFIG_LLC=m
# CONFIG_LLC2 is not set
# CONFIG_IPX is not set
# CONFIG_ATALK is not set
# CONFIG_X25 is not set
```

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```
# CONFIG_LAPB is not set
# CONFIG_ECONET is not set
# CONFIG_WAN_ROUTER is not set
CONFIG_NET_SCHED=y
```

```
#
# Queueing/Scheduling
#
CONFIG_NET_SCH_CBQ=m
CONFIG_NET_SCH_HTB=m
CONFIG_NET_SCH_HFSC=m
CONFIG_NET_SCH_PRIO=m
CONFIG_NET_SCH_RR=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=m
CONFIG_NET_SCH_INGRESS=m
```

```
#
# Classification
#
CONFIG_NET_CLS=y
CONFIG_NET_CLS_BASIC=m
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
CONFIG_CLS_U32_MARK=y
CONFIG_NET_CLS_RSVP=m
CONFIG_NET_CLS_RSVP6=m
CONFIG_NET_EMATCH=y
CONFIG_NET_EMATCH_STACK=32
CONFIG_NET_EMATCH_CMP=m
CONFIG_NET_EMATCH_NBYTE=m
CONFIG_NET_EMATCH_U32=m
CONFIG_NET_EMATCH_META=m
CONFIG_NET_EMATCH_TEXT=m
CONFIG_NET_CLS_ACT=y
CONFIG_NET_ACT_POLICE=m
CONFIG_NET_ACT_GACT=m
CONFIG_GACT_PROB=y
CONFIG_NET_ACT_MIRRED=m
CONFIG_NET_ACT_IPT=m
CONFIG_NET_ACT_NAT=m
CONFIG_NET_ACT_PEDIT=m
```

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```
CONFIG_NET_ACT_SIMP=m
# CONFIG_NET_CLS_POLICE is not set
# CONFIG_NET_CLS_IND is not set
CONFIG_NET_SCH_FIFO=y

#
# Network testing
#
# CONFIG_NET_PKTGEN is not set
# CONFIG_HAMRADIO is not set
CONFIG_IRDA=m

#
# IrDA protocols
#
CONFIG_IRLAN=m
CONFIG_IRNET=m
CONFIG_IRCOMM=m
CONFIG_IRDA_ULTRA=y

#
# IrDA options
#
CONFIG_IRDA_CACHE_LAST_LSAP=y
CONFIG_IRDA_FAST_RR=y
CONFIG_IRDA_DEBUG=y

#
# Infrared-port device drivers
#

#
# SIR device drivers
#
CONFIG_IRTTY_SIR=m

#
# Dongle support
#
CONFIG_DONGLE=y
CONFIG_ESI_DONGLE=m
CONFIG_ACTISYS_DONGLE=m
CONFIG_TEKRAM_DONGLE=m
# CONFIG_TOIM3232_DONGLE is not set
CONFIG_LITELINK_DONGLE=m
CONFIG_MA600_DONGLE=m
CONFIG_GIRBIL_DONGLE=m
CONFIG_MCP2120_DONGLE=m
CONFIG_OLD_BELKIN_DONGLE=m
CONFIG_ACT200L_DONGLE=m
CONFIG_KINGSUN_DONGLE=m
```

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```
CONFIG_KSDAZZLE_DONGLE=m
CONFIG_KS959_DONGLE=m

#
# Old SIR device drivers
#

#
# Old Serial dongle support
#

#
# FIR device drivers
#
CONFIG_USB_IRDA=m
CONFIG_SIGMATEL_FIR=m
CONFIG_NSC_FIR=m
CONFIG_WINBOND_FIR=m
CONFIG_SMC_IRCC_FIR=m
CONFIG_ALI_FIR=m
CONFIG_VLSI_FIR=m
CONFIG_VIA_FIR=m
CONFIG_MCS_FIR=m
CONFIG_BT=m
CONFIG_BT_L2CAP=m
CONFIG_BT_SCO=m
CONFIG_BT_RFCOMM=m
CONFIG_BT_RFCOMM_TTY=y
CONFIG_BT_BNEP=m
CONFIG_BT_BNEP_MC_FILTER=y
CONFIG_BT_BNEP_PROTO_FILTER=y
CONFIG_BT_HIDP=m

#
# Bluetooth device drivers
#
CONFIG_BT_HCIUSB=m
CONFIG_BT_HCIUSB_SCO=y
CONFIG_BT_HCIUART=m
CONFIG_BT_HCIUART_H4=y
CONFIG_BT_HCIUART_BCSP=y
CONFIG_BT_HCIUART_LL=y
CONFIG_BT_HCIBCM203X=m
CONFIG_BT_HCIBPA10X=m
CONFIG_BT_HCIBFUSB=m
CONFIG_BT_HCIVHCI=m
# CONFIG_AF_RXRPC is not set
CONFIG_FIB_RULES=y

#
# Wireless
```

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```
#
CONFIG_CFG80211=m
CONFIG_NL80211=y
CONFIG_WIRELESS_EXT=y
CONFIG_MAC80211=m
CONFIG_MAC80211_RCSIMPLE=y
CONFIG_MAC80211_LEDS=y
CONFIG_MAC80211_DEBUGFS=y
# CONFIG_MAC80211_DEBUG is not set
CONFIG_IEEE80211=m
# CONFIG_IEEE80211_DEBUG is not set
CONFIG_IEEE80211_CRYPT_WEP=m
CONFIG_IEEE80211_CRYPT_CCMP=m
CONFIG_IEEE80211_CRYPT_TKIP=m
CONFIG_IEEE80211_SOFTMAC=m
# CONFIG_IEEE80211_SOFTMAC_DEBUG is not set
CONFIG_RFKILL=m
CONFIG_RFKILL_INPUT=m
CONFIG_RFKILL_LEDS=y
# CONFIG_NET_9P is not set

#
# Device Drivers
#

#
# Generic Driver Options
#
CONFIG_UEVENT_HELPER_PATH="/sbin/hotplug"
CONFIG_STANDALONE=y
CONFIG_PREVENT_FIRMWARE_BUILD=y
CONFIG_FW_LOADER=y
# CONFIG_DEBUG_DRIVER is not set
# CONFIG_DEBUG_DEVRES is not set
# CONFIG_SYS_HYPERVISOR is not set
CONFIG_CONNECTOR=m
# CONFIG_MTD is not set
# CONFIG_PARPORT is not set
CONFIG_PNP=y
# CONFIG_PNP_DEBUG is not set

#
# Protocols
#
CONFIG_PNPACPI=y
CONFIG_BLK_DEV=y
# CONFIG_BLK_DEV_FD 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
```

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```
# CONFIG_BLK_DEV_COW_COMMON is not set
CONFIG_BLK_DEV_LOOP=m
CONFIG_BLK_DEV_CRYPTOLOOP=m
CONFIG_BLK_DEV_NBD=m
# CONFIG_BLK_DEV_SX8 is not set
# CONFIG_BLK_DEV_UB is not set
CONFIG_BLK_DEV_RAM=y
CONFIG_BLK_DEV_RAM_COUNT=16
CONFIG_BLK_DEV_RAM_SIZE=65536
CONFIG_BLK_DEV_RAM_BLOCKSIZE=1024
CONFIG_CDROM_PKTCDVD=m
CONFIG_CDROM_PKTCDVD_BUFFERS=8
# CONFIG_CDROM_PKTCDVD_WCACHE is not set
CONFIG_ATA_OVER_ETH=m
CONFIG_MISC_DEVICES=y
# CONFIG_IBM_ASM is not set
# CONFIG_PHANTOM is not set
CONFIG_EEPROM_93CX6=m
# CONFIG_SGI_IOC4 is not set
CONFIG_TIFM_CORE=m
# CONFIG_TIFM_7XX1 is not set
# CONFIG_ASUS_LAPTOP is not set
# CONFIG_FUJITSU_LAPTOP is not set
# CONFIG_MSI_LAPTOP is not set
# CONFIG_SONY_LAPTOP is not set
# CONFIG_THINKPAD_ACPI is not set
CONFIG_IDE=y
CONFIG_BLK_DEV_IDE=m

#
# 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=m
# CONFIG_IDEDISK_MULTI_MODE is not set
CONFIG_BLK_DEV_IDECD=m
# CONFIG_BLK_DEV_IDETAPE is not set
# CONFIG_BLK_DEV_IDEFLOPPY is not set
CONFIG_BLK_DEV_IDESCSI=m
CONFIG_BLK_DEV_IDEACPI=y
# CONFIG_IDE_TASK_IOCTL is not set
CONFIG_IDE_PROC_FS=y

#
# IDE chipset support/bugfixes
#
# CONFIG_IDE_GENERIC is not set
# CONFIG_BLK_DEV_PLATFORM is not set
# CONFIG_BLK_DEV_CMD640 is not set
# CONFIG_BLK_DEV_IDEPNP is not set
```

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```
#
# PCI IDE chipsets support
#
CONFIG_BLK_DEV_IDEPCI=y
CONFIG_IDEPCI_SHARE_IRQ=y
# CONFIG_IDEPCI_PCIBUS_ORDER 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_AEC62XX is not set
# CONFIG_BLK_DEV_ALI15X3 is not set
CONFIG_BLK_DEV_AMD74XX=m
# 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
# CONFIG_BLK_DEV_HPT366 is not set
# CONFIG_BLK_DEV_JMICRON is not set
# CONFIG_BLK_DEV_SC1200 is not set
# CONFIG_BLK_DEV_PIIIX is not set
# CONFIG_BLK_DEV_IT8213 is not set
# 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 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 is not set
# CONFIG_BLK_DEV_TC86C001 is not set
# CONFIG_IDE_ARM is not set
CONFIG_BLK_DEV_IDEDMA=y
CONFIG_IDE_ARCH_OBSOLETE_INIT=y
# CONFIG_BLK_DEV_HD is not set

#
# SCSI device support
#
CONFIG_RAID_ATTRS=m
CONFIG_SCSI=m
CONFIG_SCSI_DMA=y
CONFIG_SCSI_TGT=m
# CONFIG_SCSI_NETLINK is not set
CONFIG_SCSI_PROC_FS=y
```

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

#
# Some SCSI devices (e.g. CD jukebox) support multiple LUNs
#
CONFIG_SCSI_MULTI_LUN=y
CONFIG_SCSI_CONSTANTS=y
CONFIG_SCSI_LOGGING=y
CONFIG_SCSI_SCAN_ASYNC=y
CONFIG_SCSI_WAIT_SCAN=m

#
# SCSI Transports
#
CONFIG_SCSI_SPI_ATTRS=m
# CONFIG_SCSI_FC_ATTRS is not set
CONFIG_SCSI_ISCSI_ATTRS=m
# CONFIG_SCSI_SAS_ATTRS is not set
# CONFIG_SCSI_SAS_LIBSAS is not set
CONFIG_SCSI_SRP_ATTRS=m
# CONFIG_SCSI_SRP_TGT_ATTRS is not set
CONFIG_SCSI_LOWLEVEL=y
CONFIG_ISCSI_TCP=m
# CONFIG_BLK_DEV_3W_XXXX_RAID is not set
# CONFIG_SCSI_3W_9XXX is not set
# CONFIG_SCSI_ACARD is not set
# CONFIG_SCSI_AACRAID is not set
# CONFIG_SCSI_AIC7XXX is not set
# CONFIG_SCSI_AIC7XXX_OLD is not set
# CONFIG_SCSI_AIC79XX is not set
# CONFIG_SCSI_AIC94XX is not set
# CONFIG_SCSI_ADVANSYS 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_HPTIOP is not set
# 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
```

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```
# 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_STEX is not set
# CONFIG_SCSI_SYM53C8XX_2 is not set
# CONFIG_SCSI_IPR is not set
# CONFIG_SCSI_QLOGIC_1280 is not set
# CONFIG_SCSI_QLA_FC is not set
# CONFIG_SCSI_QLA_ISCSI 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
# CONFIG_SCSI_SRP is not set
CONFIG_ATA=m
# CONFIG_ATA_NONSTANDARD is not set
CONFIG_ATA_ACPI=y
CONFIG_SATA_AHCI=m
# CONFIG_SATA_SVW is not set
# CONFIG_ATA_PIIX is not set
# CONFIG_SATA_MV is not set
CONFIG_SATA_NV=m
# CONFIG_PDC_ADMA is not set
# CONFIG_SATA_QSTOR is not set
# CONFIG_SATA_PROMISE is not set
# CONFIG_SATA_SX4 is not set
# CONFIG_SATA_SIL is not set
# CONFIG_SATA_SIL24 is not set
# CONFIG_SATA_SIS is not set
# CONFIG_SATA_ULI is not set
# CONFIG_SATA_VIA is not set
# CONFIG_SATA_VITESSE is not set
# CONFIG_SATA_INIC162X is not set
# CONFIG_PATA_ACPI is not set
# CONFIG_PATA_ALI is not set
# CONFIG_PATA_AMD is not set
# CONFIG_PATA_ARTOP is not set
# CONFIG_PATA_ATIIXP is not set
# CONFIG_PATA_CMD640_PCI is not set
# CONFIG_PATA_CMD64X is not set
# CONFIG_PATA_CS5520 is not set
# CONFIG_PATA_CS5530 is not set
# CONFIG_PATA_CYPRESS is not set
# CONFIG_PATA_EFAR is not set
CONFIG_ATA_GENERIC=m
# CONFIG_PATA_HPT366 is not set
# CONFIG_PATA_HPT37X is not set
# CONFIG_PATA_HPT3X2N is not set
# CONFIG_PATA_HPT3X3 is not set
# CONFIG_PATA_IT821X is not set
```

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```
# CONFIG_PATA_IT8213 is not set
# CONFIG_PATA_JMICRON is not set
# CONFIG_PATA_TRIFLEX is not set
# CONFIG_PATA_MARVELL is not set
# CONFIG_PATA_MPIIX is not set
# CONFIG_PATA_OLDPIIX is not set
# CONFIG_PATA_NETCELL is not set
# CONFIG_PATA_NS87410 is not set
# CONFIG_PATA_NS87415 is not set
# CONFIG_PATA_OPTI is not set
# CONFIG_PATA_OPTIDMA is not set
# CONFIG_PATA_PDC_OLD is not set
# CONFIG_PATA_RADISYS is not set
# CONFIG_PATA_RZ1000 is not set
# CONFIG_PATA_SC1200 is not set
# CONFIG_PATA_SERVERWORKS is not set
# CONFIG_PATA_PDC2027X is not set
# CONFIG_PATA_SIL680 is not set
# CONFIG_PATA_SIS is not set
# CONFIG_PATA_VIA is not set
# CONFIG_PATA_WINBOND is not set
CONFIG_MD=y
CONFIG_BLK_DEV_MD=m
CONFIG_MD_LINEAR=m
CONFIG_MD_RAID0=m
CONFIG_MD_RAID1=m
CONFIG_MD_RAID10=m
CONFIG_MD_RAID456=m
CONFIG_MD_RAID5_RESHAPE=y
CONFIG_MD_MULTIPATH=m
CONFIG_MD_FAULTY=m
CONFIG_BLK_DEV_DM=m
# CONFIG_DM_DEBUG is not set
CONFIG_DM_CRYPT=m
CONFIG_DM_SNAPSHOT=m
CONFIG_DM_MIRROR=m
CONFIG_DM_ZERO=m
CONFIG_DM_MULTIPATH=m
# CONFIG_DM_MULTIPATH_EMCC is not set
# CONFIG_DM_MULTIPATH_RDAC is not set
# CONFIG_DM_MULTIPATH_HP is not set
# CONFIG_DM_DELAY is not set
# CONFIG_DM_UEVENT is not set
# CONFIG_FUSION is not set

#
# IEEE 1394 (FireWire) support
#
CONFIG_FIREWIRE=m
CONFIG_FIREWIRE_OHCI=m
CONFIG_FIREWIRE_SBP2=m
```

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```
# CONFIG_IEEE1394 is not set
# CONFIG_I2O is not set
# CONFIG_MACINTOSH_DRIVERS is not set
CONFIG_NETDEVICES=y
# CONFIG_NETDEVICES_MULTIQUEUE is not set
# CONFIG_IFB is not set
# CONFIG_DUMMY is not set
CONFIG_BONDING=m
# CONFIG_MACVLAN is not set
# CONFIG_EQUALIZER is not set
CONFIG_TUN=m
# CONFIG_VETH is not set
# CONFIG_NET_SB1000 is not set
# CONFIG_ARCNET is not set
CONFIG_PHYLIB=m

#
# MII PHY device drivers
#
CONFIG_MARVELL_PHY=m
CONFIG_DAVICOM_PHY=m
CONFIG_QSEMI_PHY=m
CONFIG_LXT_PHY=m
CONFIG_CICADA_PHY=m
CONFIG_VITESSE_PHY=m
CONFIG_SMSC_PHY=m
CONFIG_BROADCOM_PHY=m
CONFIG_ICPLUS_PHY=m
CONFIG_FIXED_PHY=m
# CONFIG_FIXED_MII_10_FDX is not set
# CONFIG_FIXED_MII_100_FDX is not set
# CONFIG_FIXED_MII_1000_FDX is not set
CONFIG_FIXED_MII_AMNT=1
# CONFIG_MDIO_BITBANG is not set
CONFIG_NET_ETHERNET=y
CONFIG_MII=m
# CONFIG_HAPPYMEAL is not set
# CONFIG_SUNGEM is not set
# CONFIG_CASSINI is not set
# CONFIG_NET_VENDOR_3COM is not set
# CONFIG_NET_TULIP is not set
# CONFIG_HP100 is not set
# CONFIG_IBM_NEW_EMAC_ZMII is not set
# CONFIG_IBM_NEW_EMAC_RGMII is not set
# CONFIG_IBM_NEW_EMAC_TAH is not set
# CONFIG_IBM_NEW_EMAC_EMAC4 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
```

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```
CONFIG_FORCEDETH=m  
# CONFIG_FORCEDETH_NAPI is not set  
# CONFIG_EEPROM100 is not set  
# CONFIG_E100 is not set  
# CONFIG_FEAL
```