

soft lockup disease (2.6.14-rc1, x86_64)

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2005-09/4974.html>

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Date: 09/16/05

Date: Thu, 15 Sep 2005 15:20:03 -0700 (PDT)

To: linux-kernel@vger.kernel.org

(somewhat like http://bugzilla.kernel.org/show_bug.cgi?id=5159)
but not IO/Storage related AFAICT, and not xseries.

It always includes ext3 in the backtrace (from what I have noticed).
[The serial console output appears a bit garbled.]

Are there patches for this or is it an outstanding issue?

2.6.14-rc1, during bootup (before login) or when I try to
'startx', I usually get either dead silence or a soft lockup:

```
[ 43.538797] BUG: soft lockup detected on CPU#0!5 Intel Corporation4: Host added: ID:BUS[0-00:1023
[ 43.544450] CPU 0:np: PnP ACPI init7105
[ 43.547526] Modules linked in:19.899318] pnp: PnP ACPI: found 1
[ 43.551648] Pid: 1181, comm: klogd Not tainted 2.6.14-rc1 #103871] Generic PHY: Registered new
driver.681353] Uniform Multi
[ 43.558418] RIP: 0010:[<ffffff801b0e7b>] <subsystem ini
```

```
IA-32 Microcode Update Driver: v1
```

```
[ 1
```

```
[ 43.582387] RDX: ffff81007d614a90 RSI: ffff81007ef9e280 RDI: 0000000000002011Qde: No new
microcode data for CPU0
post a r
```

```
[ 43.590712] RBP: ffff81007efa9000 R08: 000000000000001d R09: ffff81007efa9000-32 M
```

```
[ 23.7178
```

```
[ 19.939655] pnp: 00:05: ioport range 0x500-0x53f has been r
```

```
[ 43.599045] R10: 00000000000001c8 R11: 0000000000000000 R12: 00000000000001c89.945969] pnp:
00:05: ioport range 0x400-0x47f could not be reservedistered prot
```

```
[ 43.607366] R13: 0000000000000000 R14: 0000000000000000 R15: 0000000000000000:05: ioport range
0x680-0x6ff has been reserved
```

```
[ 24.473861] h
```

Linux-Kernel: soft lockup disease (2.6.14-rc1, x86_64)

md: md0 switche

[19.979559] IO window: 1000-1fff] L

[43.640253]... checking i

[43.640253] Call Trace:<ffffffff801b0f00>{bitmap_search_next_usable_block+69}

[

[19.987302] PREFETCH window: disabled.00000] Bootdata ok (

[43.649916] <ffffffff801b1299>{ext3_try_to_allocate+365} <ffffffff801b

[25.41959

[19.995048] IO window: disabled. -> GSI 19 (level, 1

1d0f>{ext3_try_to_allocate_with_rsv+771}ndow: 90400000-904ffff

[43.661858] <ffffffff8017cbe5>{__bread+11} <ffffdow: disabled.

[20.026017

[43.691860] <ffffffff8016204c>{kmem_cache_alloc+142} <ffffffff801b692fM window: 90600000-906ffff

0 ATA, max UDMA/133, 312581808 sectors: lba48

[20

xt3_get_block+0}

[43.732770] <ffffffff8017bdbb>{block_prepare_write+32} <ffffffff801b59

8c>{ext3_prepare_write+150}

[43.743638] <ffffffff803a862f>{_write_unlock_irq+9} <ffffffff8015a6c2>

{generic_file_buffered_write+709}

[43.755058] <ffffffff80160127>{make_ahead_window+137} <ffffffff8019105

7>{update_atime+68}

[43.765249] <ffffffff8013aabe>{current_fs_time+63} <ffffffff8015b0f2>{

do_generic_mapping_read+1353}

[43.776348] <ffffffff8015be43>{__generic_file_aio_write_nolock+792}

[43.784588] <ffffffff8015e89d>{__alloc_pages+254} <ffffffff8015c165>{g

eneric_file_aio_write+125}

[43.795460] <ffffffff801b2d5c>{ext3_file_write+28} <ffffffff80178adb>{

do_sync_write+223}

[43.805618] <ffffffff8016a2e9>{__handle_mm_fault+395} <ffffffff801f63a

b>{__up_read+139}

[43.815682] <ffffffff803a903c>{do_page_fault+1064} <ffffffff80149e94>{

autoremove_wake_function+0}

[43.826642] <ffffffff803a85ae>{_spin_unlock+9} <ffffffff80178fa7>{vfs_

write+178}

[43.836102] <ffffffff801794b3>{sys_write+69} <ffffffff8010e8f2>{system

_call+126}

[43.845574]

--

Full boot log:

þÄ[0.000000] Linux version 2.6.14-rc1 (rddunlap@vortex) (gcc version 4.0.2 20050901 (prerelea

[0.000000] BIOS-provided physical RAM map:

[0.000000] BIOS-e820: 0000000000000000 - 000000000009fc00 (usable)

[0.000000] BIOS-e820: 000000000009fc00 - 00000000000a0000 (reserved)

[0.000000] BIOS-e820: 00000000000e0000 - 0000000000100000 (reserved)

[0.000000] BIOS-e820: 0000000000100000 - 0000000007fe65000 (usable)

[0.000000] BIOS-e820: 0000000007fe65000 - 0000000007fee9000 (ACPI NVS)

[0.000000] BIOS-e820: 0000000007fee9000 - 0000000007feed000 (usable)

[0.000000] BIOS-e820: 0000000007feed000 - 0000000007feff000 (ACPI data)

[0.000000] BIOS-e820: 0000000007feff000 - 0000000007ff00000 (usable)

Linux-Kernel: soft lockup disease (2.6.14-rc1, x86_64)

```
[ 0.000000] ACPI: RSDP (v000 INTEL                                     ) @ 0x000000000000fe020
[ 0.000000] ACPI: RSDT (v001 INTEL  D945GNT  0x000005d5 MSFT 0x01000013) @ 0x0000000007fefde48
[ 0.000000] ACPI: FADT (v001 INTEL  D945GNT  0x000005d5 MSFT 0x01000013) @ 0x0000000007fefcf10
[ 0.000000] ACPI: MADT (v001 INTEL  D945GNT  0x000005d5 MSFT 0x01000013) @ 0x0000000007fefce10
[ 0.000000] ACPI: WDDT (v001 INTEL  D945GNT  0x000005d5 MSFT 0x01000013) @ 0x0000000007fef7f90
[ 0.000000] ACPI: MCFG (v001 INTEL  D945GNT  0x000005d5 MSFT 0x01000013) @ 0x0000000007fef7f10
[ 0.000000] ACPI: ASF! (v032 INTEL  D945GNT  0x000005d5 MSFT 0x01000013) @ 0x0000000007fefcd10
[ 0.000000] ACPI: SSDT (v001 INTEL          CpuPm  0x000005d5 MSFT 0x01000013) @ 0x0000000007fefdc10
[ 0.000000] ACPI: SSDT (v001 INTEL          Cpu0Ist 0x000005d5 MSFT 0x01000013) @ 0x0000000007fefda10
[ 0.000000] ACPI: SSDT (v001 INTEL          Cpu1Ist 0x000005d5 MSFT 0x01000013) @ 0x0000000007fefdb10
[ 0.000000] ACPI: SSDT (v001 INTEL          Cpu2Ist 0x000005d5 MSFT 0x01000013) @ 0x0000000007fedf610
[ 0.000000] ACPI: SSDT (v001 INTEL          Cpu3Ist 0x000005d5 MSFT 0x01000013) @ 0x0000000007fedf410
[ 0.000000] ACPI: TCPA (v001 INTEL  TIANO    0x00000002 MSFT 0x01000013) @ 0x0000000007febbe10
[ 0.000000] ACPI: DSDT (v001 INTEL  D945GNT  0x000005d5 MSFT 0x01000013) @ 0x00000000000000000
[ 0.000000] On node 0 totalpages: 523785
[ 0.000000]   DMA zone: 3999 pages, LIFO batch:1
[ 0.000000]   Normal zone: 519786 pages, LIFO batch:31
[ 0.000000]   HighMem zone: 0 pages, LIFO batch:1
[ 0.000000] ACPI: PM-Timer IO Port: 0x408
[ 0.000000] ACPI: Local APIC address 0xfec00000
[ 0.000000] ACPI: LAPIC (acpi_id[0x01] lapic_id[0x00] enabled)
[ 0.000000] Processor #0 15:4 APIC version 20
[ 0.000000] ACPI: LAPIC (acpi_id[0x02] lapic_id[0x01] enabled)
[ 0.000000] Processor #1 15:4 APIC version 20
[ 0.000000] ACPI: LAPIC (acpi_id[0x03] lapic_id[0x82] disabled)
[ 0.000000] ACPI: LAPIC (acpi_id[0x04] lapic_id[0x83] disabled)
[ 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: IOAPIC (id[0x02] address[0xfec00000] gsi_base[0])
[ 0.000000] IOAPIC[0]: apic_id 2, version 32, 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: IRQ0 used by override.
[ 0.000000] ACPI: IRQ2 used by override.
[ 0.000000] ACPI: IRQ9 used by override.
[ 0.000000] Setting APIC routing to physical flat
[ 0.000000] Using ACPI (MADT) for SMP configuration information
[ 0.000000] Allocating PCI resources starting at 80000000 (gap: 7ff00000:80100000)
[ 0.000000] Checking aperture...
[ 0.000000] Built 1 zonelists
[ 0.000000] Kernel command line: root=/dev/sda6 vga=0x317 selinux=0   resume=/dev/sda2 splas
[ 0.000000] Initializing CPU#0
[ 0.000000] PID hash table entries: 4096 (order: 12, 131072 bytes)
[ 0.000000] time.c: Using 3.579545 MHz PM timer.
[ 0.000000] time.c: Detected 3200.122 MHz processor.
[ 19.828342] Console: colour dummy device 80x25
[ 20.211150] Dentry cache hash table entries: 262144 (order: 9, 2097152 bytes)
[ 20.220153] Inode-cache hash table entries: 131072 (order: 8, 1048576 bytes)
[ 20.244734] Memory: 2058216k/2096128k available (2736k kernel code, 36500k reserved, 1132k dat
[ 20.334354] Calibrating delay using timer specific routine.. 6410.18 BogoMIPS (lpj=12820368)
[ 20.344788] Mount-cache hash table entries: 256
[ 20.349647] CPU: Trace cache: 12K uops, L1 D cache: 16K
[ 20.355033] CPU: L2 cache: 1024K
[ 20.358335] using mwait in idle threads.
[ 20.362364] CPU: Physical Processor ID: 0
[ 20.366470] CPU: Processor Core ID: 0
[ 20.370230] CPU0: Thermal monitoring enabled (TM1)
[ 20.375148] mtrr: v2.0 (20020519)
[ 20.431617] Using local APIC timer interrupts.
[ 20.467401] Detected 12.500 MHz APIC timer.
[ 20.471767] softlockup thread 0 started up.
[ 20.476217] Booting processor 1/2 APIC 0x1
```

Linux-Kernel: soft lockup disease (2.6.14-rc1, x86_64)

```
[ 20.490820] Initializing CPU#1
[ 20.570362] Calibrating delay using timer specific routine.. 6400.40 BogoMIPS (lpj=12800804)
[ 20.570373] CPU: Trace cache: 12K uops, L1 D cache: 16K
[ 20.570375] CPU: L2 cache: 1024K
[ 20.570378] CPU: Physical Processor ID: 0
[ 20.570380] CPU: Processor Core ID: 1
[ 20.570390] CPU1: Thermal monitoring enabled (TM1)
[ 20.570590]           Intel(R) Pentium(R) D CPU 3.20GHz stepping 04
[ 20.570597] APIC error on CPU1: 00(40)
[ 20.570600] CPU 1: Syncing TSC to CPU 0.
[ 20.570887] CPU 1: synchronized TSC with CPU 0 (last diff 14 cycles, maxerr 2256 cycles)
[ 20.570904] Brought up 2 CPUs
[ 20.570909] softlockup thread 1 started up.
[ 20.634324] time.c: Using PIT/TSC based timekeeping.
[ 20.639414] testing NMI watchdog ... OK.
[ 20.684553] NET: Registered protocol family 16
[ 20.689138] ACPI: bus type pci registered
[ 20.693255] PCI: Using configuration type 1
[ 20.697986] PCI: Using MMCONFIG at f0000000
[ 20.708500] ACPI: Subsystem revision 20050902
[ 20.720224] ACPI: Interpreter enabled
[ 20.723978] ACPI: Using IOAPIC for interrupt routing
[ 20.730057] ACPI: PCI Root Bridge [PCI0] (0000:00)
[ 20.734974] PCI: Probing PCI hardware (bus 00)
[ 20.739571] ACPI: Assume root bridge [\_SB_.PCI0] bus is 0
[ 20.750360] PCI: Ignoring BAR0-3 of IDE controller 0000:00:1f.1
[ 20.756577] Boot video device is 0000:01:00.0
[ 20.761850] PCI: Transparent bridge - 0000:00:1e.0
[ 20.766815] ACPI: PCI Interrupt Routing Table [\_SB_.PCI0._PRT]
[ 20.780852] ACPI: PCI Interrupt Routing Table [\_SB_.PCI0.P32._PRT]
[ 20.789221] ACPI: PCI Interrupt Link [LNKA] (IRQs 3 4 5 7 9 10 *11 12)
[ 20.796361] ACPI: PCI Interrupt Link [LNKB] (IRQs 3 4 5 7 9 10 *11 12)
[ 20.803490] ACPI: PCI Interrupt Link [LNKC] (IRQs 3 4 5 7 9 10 *11 12)
[ 20.810620] ACPI: PCI Interrupt Link [LNKD] (IRQs 3 4 5 7 9 10 *11 12)
[ 20.817744] ACPI: PCI Interrupt Link [LNKE] (IRQs 3 4 5 7 9 10 11 12) *0, disabled.
[ 20.826038] ACPI: PCI Interrupt Link [LNKF] (IRQs 3 4 5 7 9 10 11 12) *0, disabled.
[ 20.834330] ACPI: PCI Interrupt Link [LNKG] (IRQs 3 4 5 7 *9 10 11 12)
[ 20.841455] ACPI: PCI Interrupt Link [LNKH] (IRQs 3 4 5 7 9 *10 11 12)
[ 20.850755] ACPI: PCI Interrupt Routing Table [\_SB_.PCI0.PEX0._PRT]
[ 20.857978] ACPI: PCI Interrupt Routing Table [\_SB_.PCI0.PEX2._PRT]
[ 20.865034] ACPI: PCI Interrupt Routing Table [\_SB_.PCI0.PEX3._PRT]
[ 20.872095] ACPI: PCI Interrupt Routing Table [\_SB_.PCI0.PEX4._PRT]
[ 20.879146] ACPI: PCI Interrupt Routing Table [\_SB_.PCI0.PEX5._PRT]
[ 20.887795] Linux Plug and Play Support v0.97 (c) Adam Belay
[ 20.893628] pnp: PnP ACPI init
[ 20.900427] pnp: PnP ACPI: found 11 devices
[ 20.905006] Generic PHY: Registered new driver
[ 20.910540] SCSI subsystem initialized
[ 20.914513] usbcore: registered new driver usbfs
[ 20.919336] usbcore: registered new driver hub
[ 20.924102] PCI: Using ACPI for IRQ routing
[ 20.928402] PCI: If a device doesn't work, try "pci=routeirq". If it helps, post a report
[ 20.937046] PCI-DMA: Disabling IOMMU.
[ 20.940935] pnp: 00:05: ioport range 0x500-0x53f has been reserved
[ 20.947226] pnp: 00:05: ioport range 0x400-0x47f could not be reserved
[ 20.953867] pnp: 00:05: ioport range 0x680-0x6ff has been reserved
[ 20.960833] PCI: Bridge: 0000:00:01.0
[ 20.964597]   IO window: 2000-2fff
[ 20.968087]   MEM window: 90200000-902ffffff
[ 20.972383]   PREFETCH window: 80000000-8fffffff
[ 20.977120] PCI: Bridge: 0000:00:1c.0
[ 20.980876]   IO window: 1000-1fff
```

Linux-Kernel: soft lockup disease (2.6.14-rc1, x86_64)

```
[ 20.984370] MEM window: 90100000-901fffff
[ 20.988660] PREFETCH window: disabled.
[ 20.992681] PCI: Bridge: 0000:00:1c.2
[ 20.996438] IO window: disabled.
[ 20.999931] MEM window: 90400000-904fffff
[ 21.004220] PREFETCH window: disabled.
[ 21.008251] PCI: Bridge: 0000:00:1c.3
[ 21.012000] IO window: disabled.
[ 21.015486] MEM window: 90500000-905fffff
[ 21.019779] PREFETCH window: disabled.
[ 21.023802] PCI: Bridge: 0000:00:1c.4
[ 21.027556] IO window: disabled.
[ 21.031051] MEM window: 90600000-906fffff
[ 21.035351] PREFETCH window: disabled.
[ 21.039370] PCI: Bridge: 0000:00:1c.5
[ 21.043129] IO window: disabled.
[ 21.046618] MEM window: 90700000-907fffff
[ 21.050910] PREFETCH window: disabled.
[ 21.054940] PCI: Bridge: 0000:00:1e.0
[ 21.058702] IO window: disabled.
[ 21.062185] MEM window: 90000000-900fffff
[ 21.066481] PREFETCH window: disabled.
[ 21.070519] ACPI: PCI Interrupt 0000:00:01.0[A] -> GSI 16 (level, low) -> IRQ 16
[ 21.078111] PCI: Setting latency timer of device 0000:00:01.0 to 64
[ 21.084550] ACPI: PCI Interrupt 0000:00:1c.0[A] -> GSI 17 (level, low) -> IRQ 17
[ 21.092150] PCI: Setting latency timer of device 0000:00:1c.0 to 64
[ 21.098583] Losing some ticks... checking if CPU frequency changed.
[ 21.105025] ACPI: PCI Interrupt 0000:00:1c.2[C] -> GSI 18 (level, low) -> IRQ 18
[ 21.112628] PCI: Setting latency timer of device 0000:00:1c.2 to 64
[ 21.119072] ACPI: PCI Interrupt 0000:00:1c.3[D] -> GSI 19 (level, low) -> IRQ 19
[ 21.126673] PCI: Setting latency timer of device 0000:00:1c.3 to 64
[ 21.133115] ACPI: PCI Interrupt 0000:00:1c.4[A] -> GSI 17 (level, low) -> IRQ 17
[ 21.140720] PCI: Setting latency timer of device 0000:00:1c.4 to 64
[ 21.147165] ACPI: PCI Interrupt 0000:00:1c.5[B] -> GSI 16 (level, low) -> IRQ 16
[ 21.154772] PCI: Setting latency timer of device 0000:00:1c.5 to 64
[ 21.161210] PCI: Setting latency timer of device 0000:00:1e.0 to 64
[ 21.168565] IA-32 Microcode Update Driver: v1.14 <tigran@veritas.com>
[ 21.176095] IA32 emulation $Id: sys_ia32.c,v 1.32 2002/03/24 13:02:28 ak Exp $
[ 21.187647] audit: initializing netlink socket (disabled)
[ 21.193212] audit(1126796617.364:1): initialized
[ 21.198794] pci_hotplug: PCI Hot Plug PCI Core version: 0.5
[ 21.204598] pciehp: acpi_pciehprm:\_SB_.PCI0 evaluate _BBN fail=0x5
[ 21.211027] pciehp: acpi_pciehprm:get_device PCI ROOT HID fail=0x5
[ 21.217503] ACPI: PCI Interrupt 0000:00:01.0[A] -> GSI 16 (level, low) -> IRQ 16
[ 21.225105] PCI: Setting latency timer of device 0000:00:01.0 to 64
[ 21.231551] assign_interrupt_mode Found MSI capability
[ 21.236786] Allocate Port Service[pcie00]
[ 21.240983] Allocate Port Service[pcie03]
[ 21.245170] ACPI: PCI Interrupt 0000:00:1c.0[A] -> GSI 17 (level, low) -> IRQ 17
[ 21.252778] PCI: Setting latency timer of device 0000:00:1c.0 to 64
[ 21.259232] assign_interrupt_mode Found MSI capability
[ 21.264460] Allocate Port Service[pcie00]
[ 21.268647] Allocate Port Service[pcie02]
[ 21.272830] Allocate Port Service[pcie03]
[ 21.277020] ACPI: PCI Interrupt 0000:00:1c.2[C] -> GSI 18 (level, low) -> IRQ 18
[ 21.284627] PCI: Setting latency timer of device 0000:00:1c.2 to 64
[ 21.291079] assign_interrupt_mode Found MSI capability
[ 21.296309] Allocate Port Service[pcie00]
[ 21.300492] Allocate Port Service[pcie02]
[ 21.304680] Allocate Port Service[pcie03]
[ 21.308870] ACPI: PCI Interrupt 0000:00:1c.3[D] -> GSI 19 (level, low) -> IRQ 19
[ 21.316481] PCI: Setting latency timer of device 0000:00:1c.3 to 64
```

Linux-Kernel: soft lockup disease (2.6.14-rc1, x86_64)

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[ 21.322934] assign_interrupt_mode Found MSI capability
[ 21.328164] Allocate Port Service[pcie00]
[ 21.332345] Allocate Port Service[pcie02]
[ 21.336529] Allocate Port Service[pcie03]
[ 21.340714] ACPI: PCI Interrupt 0000:00:1c.4[A] -> GSI 17 (level, low) -> IRQ 17
[ 21.348313] PCI: Setting latency timer of device 0000:00:1c.4 to 64
[ 21.354769] assign_interrupt_mode Found MSI capability
[ 21.359998] Allocate Port Service[pcie00]
[ 21.364181] Allocate Port Service[pcie02]
[ 21.368369] Allocate Port Service[pcie03]
[ 21.372562] ACPI: PCI Interrupt 0000:00:1c.5[B] -> GSI 16 (level, low) -> IRQ 16
[ 21.380168] PCI: Setting latency timer of device 0000:00:1c.5 to 64
[ 21.386621] assign_interrupt_mode Found MSI capability
[ 21.391850] Allocate Port Service[pcie00]
[ 21.396036] Allocate Port Service[pcie02]
[ 21.400217] Allocate Port Service[pcie03]
[ 21.404716] vesafb: framebuffer at 0x80000000, mapped to 0xffffc20010100000, using 3072k, total 6144k
[ 21.414196] vesafb: mode is 1024x768x16, linelength=2048, pages=9
[ 21.420403] vesafb: scrolling: redraw
[ 21.424131] vesafb: Truecolor: size=0:5:6:5, shift=0:11:5:0
[ 21.430229] vesafb: Mode is not VGA compatible
[ 21.438657] Console: switching to colour frame buffer device 128x48
[ 21.445113] fb0: VESA VGA frame buffer device
[ 21.449616] ACPI: Power Button (FF) [PWRF]
[ 21.453853] ACPI: Sleep Button (CM) [SLPB]
[ 21.458202] Using specific hotkey driver
[ 21.462542] ACPI: CPU0 (power states: C1[C1])
[ 21.467208] ACPI: CPU1 (power states: C1[C1])
[ 21.528038] lp: driver loaded but no devices found
[ 21.533107] Generic RTC Driver v1.07
[ 21.536998] Software Watchdog Timer: 0.07 initialized. soft_noboot=0 soft_margin=60 sec (nowayout=0)
[ 21.546495] Linux agpgart interface v0.101 (c) Dave Jones
[ 21.552067] [drm] Initialized drm 1.0.0 20040925
[ 21.556827] Hangcheck: starting hangcheck timer 0.9.0 (tick is 180 seconds, margin is 60 seconds)
[ 21.566052] Hangcheck: Using monotonic_clock().
[ 21.571099] PNP: PS/2 Controller [PNP0303:PS2K] at 0x60,0x64 irq 1
[ 21.577464] PNP: PS/2 controller doesn't have AUX irq; using default 12
[ 21.586537] serio: i8042 AUX port at 0x60,0x64 irq 12
[ 21.591808] serio: i8042 KBD port at 0x60,0x64 irq 1
[ 21.596931] Serial: 8250/16550 driver $Revision: 1.90 $ 4 ports, IRQ sharing disabled
[ 21.605126] ttyS0 at I/O 0x3f8 (irq = 4) is a 16550A
[ 21.611153] ttyS0 at I/O 0x3f8 (irq = 4) is a 16550A
[ 21.616609] parport: PnPBIOS parport detected.
[ 21.621243] parport0: PC-style at 0x378 (0x778), irq 7 [PCSPP,TRISTATE]
[ 21.730268] lp0: using parport0 (interrupt-driven).
[ 21.735919] lp0: console ready
[ 21.739870] io scheduler noop registered
[ 21.744603] io scheduler anticipatory registered
[ 21.750045] io scheduler deadline registered
[ 21.755173] io scheduler cfq registered
[ 21.759921] Floppy drive(s): fd0 is 1.44M
[ 21.785733] FDC 0 is a post-1991 82077
[ 21.792143] loop: loaded (max 8 devices)
[ 21.797020] pktcdvd: v0.2.0a 2004-07-14 Jens Axboe (axboe@suse.de) and petero2@telia.com
[ 21.806095] Intel(R) PRO/1000 Network Driver - version 6.0.60-k2
[ 21.813061] Copyright (c) 1999-2005 Intel Corporation.
[ 21.819287] ACPI: PCI Interrupt 0000:02:00.0[A] -> GSI 16 (level, low) -> IRQ 16
[ 21.827763] PCI: Setting latency timer of device 0000:02:00.0 to 64
[ 21.897972] e1000: eth0: e1000_probe: Intel(R) PRO/1000 Network Connection
[ 21.905932] e100: Intel(R) PRO/100 Network Driver, 3.4.14-k2-NAPI
[ 21.913113] e100: Copyright(c) 1999-2005 Intel Corporation
[ 21.919870] LXT970: Registered new driver
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Linux-Kernel: soft lockup disease (2.6.14-rc1, x86_64)

```
[ 21.925017] LXT971: Registered new driver
[ 21.930212] Uniform Multi-Platform E-IDE driver Revision: 7.00alpha2
[ 21.937725] ide: Assuming 33MHz system bus speed for PIO modes; override with idebus=xx
[ 21.946988] ICH7: IDE controller at PCI slot 0000:00:1f.1
[ 21.953559] ACPI: PCI Interrupt 0000:00:1f.1[A] -> GSI 18 (level, low) -> IRQ 18
[ 21.962232] ICH7: chipset revision 1
[ 21.966993] ICH7: not 100% native mode: will probe irqs later
[ 21.973989]   ide0: BM-DMA at 0x30b0-0x30b7, BIOS settings: hda:DMA, hdb:pio
[ 21.982547] Probing IDE interface ide0...
[ 22.726501] hda: PLEXTOR DVDR PX-716A, ATAPI CD/DVD-ROM drive
[ 23.070441] ide0 at 0x1f0-0x1f7,0x3f6 on irq 14
[ 23.076577] Probing IDE interface ide1...
[ 23.647231] hda: ATAPI 40X DVD-ROM DVD-R CD-R/RW drive, 8192kB Cache, UDMA(66)
[ 23.655907] Uniform CD-ROM driver Revision: 3.20
[ 23.662990] libata version 1.12 loaded.
[ 23.668317] ata_piix version 1.04
[ 23.672877] ACPI: PCI Interrupt 0000:00:1f.2[B] -> GSI 19 (level, low) -> IRQ 19
[ 23.681649] PCI: Setting latency timer of device 0000:00:1f.2 to 64
[ 23.689316] ata1: SATA max UDMA/133 cmd 0x30C8 ctl 0x30E6 bmdma 0x30A0 irq 19
[ 23.697786] ata2: SATA max UDMA/133 cmd 0x30C0 ctl 0x30E2 bmdma 0x30A8 irq 19
[ 23.874643] ata1: dev 0 cfg 49:2f00 82:346b 83:7d01 84:4003 85:3469 86:3c01 87:4003 88:207f
[ 23.884334] ata1: dev 0 ATA, max UDMA/133, 312581808 sectors: lba88
[ 23.892430] ata1: dev 0 configured for UDMA/133
[ 23.898174] scsi0 : ata_piix
[ 24.068677] ATA: abnormal status 0x7f on port 0x30c7
[ 24.074888] ata2: disabling port
[ 24.079299] scsi1 : ata_piix
[ 24.083607]   Vendor: ATA           Model: ST3160023AS           Rev: 3.00
[ 24.091412]   Type:   Direct-Access           ANSI SCSI revision: 05
[ 24.104649] SCSI device sda: 312581808 512-byte hdwr sectors (160042 MB)
[ 24.112703] SCSI device sda: drive cache: write back
[ 24.119073] SCSI device sda: 312581808 512-byte hdwr sectors (160042 MB)
[ 24.127141] SCSI device sda: drive cache: write back
[ 24.133401]   sda: sda1 sda2 sda3 sda4 < sda5 sda6 >
[ 24.168327] Attached scsi disk sda at scsi0, channel 0, id 0, lun 0
[ 24.176158] Attached scsi generic sg0 at scsi0, channel 0, id 0, lun 0, type 0
[ 24.184999] ACPI: PCI Interrupt 0000:00:1d.7[A] -> GSI 23 (level, low) -> IRQ 20
[ 24.193826] PCI: Setting latency timer of device 0000:00:1d.7 to 64
[ 24.201417] ehci_hcd 0000:00:1d.7: EHCI Host Controller
[ 24.207936] ehci_hcd 0000:00:1d.7: debug port 1
[ 24.213869] ehci_hcd 0000:00:1d.7: new USB bus registered, assigned bus number 1
[ 24.222592] ehci_hcd 0000:00:1d.7: irq 20, io mem 0x90304400
[ 24.233451] PCI: cache line size of 128 is not supported by device 0000:00:1d.7
[ 24.242066] ehci_hcd 0000:00:1d.7: USB 2.0 initialized, EHCI 1.00, driver 10 Dec 2004
[ 24.251538] hub 1-0:1.0: USB hub found
[ 24.256561] hub 1-0:1.0: 8 ports detected
[ 24.362764] ohci_hcd: 2005 April 22 USB 1.1 'Open' Host Controller (OHCI) Driver (PCI)
[ 24.372184] USB Universal Host Controller Interface driver v2.3
[ 24.379579] ACPI: PCI Interrupt 0000:00:1d.0[A] -> GSI 23 (level, low) -> IRQ 20
[ 24.388399] PCI: Setting latency timer of device 0000:00:1d.0 to 64
[ 24.395974] uhci_hcd 0000:00:1d.0: UHCI Host Controller
[ 24.402614] uhci_hcd 0000:00:1d.0: new USB bus registered, assigned bus number 2
[ 24.411330] uhci_hcd 0000:00:1d.0: irq 20, io base 0x00003080
[ 24.418648] hub 2-0:1.0: USB hub found
[ 24.423664] hub 2-0:1.0: 2 ports detected
[ 24.530840] ACPI: PCI Interrupt 0000:00:1d.1[B] -> GSI 19 (level, low) -> IRQ 19
[ 24.539608] PCI: Setting latency timer of device 0000:00:1d.1 to 64
[ 24.547147] uhci_hcd 0000:00:1d.1: UHCI Host Controller
[ 24.553760] uhci_hcd 0000:00:1d.1: new USB bus registered, assigned bus number 3
[ 24.562460] uhci_hcd 0000:00:1d.1: irq 19, io base 0x00003060
[ 24.569765] hub 3-0:1.0: USB hub found
[ 24.574762] hub 3-0:1.0: 2 ports detected
```

Linux-Kernel: soft lockup disease (2.6.14-rc1, x86_64)

```
[ 24.682874] ACPI: PCI Interrupt 0000:00:1d.2[C] -> GSI 18 (level, low) -> IRQ 18
[ 24.691655] PCI: Setting latency timer of device 0000:00:1d.2 to 64
[ 24.699193] uhci_hcd 0000:00:1d.2: UHCI Host Controller
[ 24.705799] uhci_hcd 0000:00:1d.2: new USB bus registered, assigned bus number 4
[ 24.714495] uhci_hcd 0000:00:1d.2: irq 18, io base 0x00003040
[ 24.721851] hub 4-0:1.0: USB hub found
[ 24.726865] hub 4-0:1.0: 2 ports detected
[ 24.834903] ACPI: PCI Interrupt 0000:00:1d.3[D] -> GSI 16 (level, low) -> IRQ 16
[ 24.843683] PCI: Setting latency timer of device 0000:00:1d.3 to 64
[ 24.851230] uhci_hcd 0000:00:1d.3: UHCI Host Controller
[ 24.857852] uhci_hcd 0000:00:1d.3: new USB bus registered, assigned bus number 5
[ 24.866562] uhci_hcd 0000:00:1d.3: irq 16, io base 0x00003020
[ 24.873898] hub 5-0:1.0: USB hub found
[ 24.878921] hub 5-0:1.0: 2 ports detected
[ 24.975490] usb 2-1: new low speed USB device using uhci_hcd and address 2
[ 25.398883] usb 2-2: new full speed USB device using uhci_hcd and address 3
[ 25.551497] hub 2-2:1.0: USB hub found
[ 25.558392] hub 2-2:1.0: 3 ports detected
[ 25.690478] input: USB HID v1.10 Mouse [Logitech USB-PS/2 Optical Mouse] on usb-0000:00:1d.0-1
[ 25.700603] usbcore: registered new driver usbhid
[ 25.706663] drivers/usb/input/hid-core.c: v2.6:USB HID core driver
[ 25.714569] mice: PS/2 mouse device common for all mice
[ 25.721781] input: PC Speaker
[ 25.726119] i2c /dev entries driver
[ 25.731384] Advanced Linux Sound Architecture Driver Version 1.0.10rc1 (Tue Aug 30 05:31:08 20
[ 25.742645] ACPI: PCI Interrupt 0000:00:1b.0[A] -> GSI 22 (level, low) -> IRQ 21
[ 25.751565] PCI: Setting latency timer of device 0000:00:1b.0 to 64
[ 25.905293] input: AT Translated Set 2 keyboard on isa0060/serio0
[ 25.913393] usb 2-2.1: new full speed USB device using uhci_hcd and address 4
[ 26.029624] input: USB HID v1.10 Keyboard [Lite-On Technology USB Productivity Option Keyboard
[ 26.050588] input: USB HID v1.10 Device [Lite-On Technology USB Productivity Option Keyboard(
[ 26.643743] ALSA device list:
[ 26.648103] #0: HDA Intel at 0x90300000 irq 21
[ 26.654213] NET: Registered protocol family 2
[ 26.703407] IP route cache hash table entries: 65536 (order: 7, 524288 bytes)
[ 26.712624] TCP established hash table entries: 131072 (order: 10, 4194304 bytes)
[ 26.726744] TCP bind hash table entries: 65536 (order: 9, 2097152 bytes)
[ 26.737474] TCP: Hash tables configured (established 131072 bind 65536)
[ 26.745628] TCP reno registered
[ 26.750400] TCP bic registered
[ 26.754848] NET: Registered protocol family 1
[ 26.760610] NET: Registered protocol family 17
[ 26.767735] acpi-cpufreq: CPU0 - ACPI performance management activated.
[ 26.776997] acpi-cpufreq: CPU1 - ACPI performance management activated.
[ 26.802849] ACPI wakeup devices:
[ 26.807553] SLPB P32 UAR1 PEX1 PEX2 PEX3 PEX4 PEX5 UHC1 UHC2 UHC3 UHC4 EHCI AC9M AZAL
[ 26.817679] ACPI: (supports S0 S1 S3 S4 S5)
[ 26.823399] BIOS EDD facility v0.16 2004-Jun-25, 1 devices found
[ 26.832769] EXT3-fs: INFO: recovery required on readonly filesystem.
[ 26.840591] EXT3-fs: write access will be enabled during recovery.
[ 26.865380] kjournald starting. Commit interval 5 seconds
[ 26.872320] EXT3-fs: recovery complete.
[ 26.877907] EXT3-fs: mounted filesystem with ordered data mode.
[ 26.885386] VFS: Mounted root (ext3 filesystem) readonly.
[ 26.892338] Freeing unused kernel memory: 188k freed
[ 28.422869] EXT3 (no)acl options not supported
[ 28.503534] EXT3 (no)acl options not supported
[ 28.509563] EXT3 FS on sda6, internal journal
[ 29.582676] EXT3 (no)acl options not supported
[ 29.589080] kjournald starting. Commit interval 5 seconds
[ 29.595954] EXT3 FS on sda1, internal journal
[ 29.601457] EXT3-fs: mounted filesystem with writeback data mode.
```

Linux-Kernel: soft lockup disease (2.6.14-rc1, x86_64)

```
[ 29.617623] EXT3 (no)acl options not supported
[ 29.624057] kjournald starting. Commit interval 5 seconds
[ 29.630894] EXT3 FS on sda3, internal journal
[ 29.636359] EXT3-fs: mounted filesystem with writeback data mode.
[ 29.653560] EXT3 (no)acl options not supported
[ 29.660449] kjournald starting. Commit interval 5 seconds
[ 29.667297] EXT3 FS on sda5, internal journal
[ 29.672755] EXT3-fs: mounted filesystem with writeback data mode.
[ 41.523533] BUG: soft lockup detected on CPU#0!
[ 41.529217] CPU 0:
[ 41.532301] Modules linked in:
[ 41.536429] Pid: 1181, comm: klogd Not tainted 2.6.14-rc1 #1
[ 41.543233] RIP: 0010:[<ffffffff801f7bf7>] <ffffffff801f7bf7>{find_next_zero_bit+63}
[ 41.551034] RSP: 0018:ffff81007dee96b8 EFLAGS: 00000206
[ 41.558677] RAX: 000000000000000c RBX: 00000000000001c8 RCX: 0000000000000011
[ 41.567021] RDX: 0000000000000040 RSI: 00000000000203b RDI: ffff81007dcc5400
[ 41.575357] RBP: 0000000000000000 R08: 0000000000000011 R09: ffff81007dcc5000
[ 41.583700] R10: 00000000000001c8 R11: 0000000000000000 R12: 0000000000000000
[ 41.592044] R13: 0000000000000000 R14: ffffffff80149fb1 R15: ffff81007dee9628
[ 41.600391] FS: 00002aaaaadedb00(0000) GS:ffffffffff8051a800(0000) knlGS:0000000000000000
[ 41.609726] CS: 0010 DS: 0000 ES: 0000 CR0: 000000008005003b
[ 41.616647] CR2: 000055555566b000 CR3: 000000007df3f000 CR4: 000000000000006e0
[ 41.624976]
[ 41.624977] Call Trace:<ffffffff801f7c1d>{find_next_zero_bit+101} <ffffffff801b0f36>{bitmap_se
[ 41.638583] <ffffffff801b1299>{ext3_try_to_allocate+365} <ffffffff801b1d0f>{ext3_try_to
[ 41.650511] <ffffffff8017cbe5>{__bread+11} <ffffffff801b1fd2>{ext3_new_block+528}
[ 41.659895] <ffffffff801b3ef3>{ext3_alloc_block+9} <ffffffff801b64a9>{ext3_get_block_ha
[ 41.670624] <ffffffff80149fb1>{wake_up_bit+30} <ffffffff80179cf7>{init_buffer_head+28}
[ 41.680477] <ffffffff8016204c>{kmem_cache_alloc+142} <ffffffff801b692f>{ext3_get_block+
[ 41.690602] <ffffffff80179ef3>{alloc_buffer_head+54} <ffffffff801b69b3>{ext3_get_block+
[ 41.700913] <ffffffff801b692f>{ext3_get_block+0} <ffffffff8017bb34>{__block_prepare_wri
[ 41.711491] <ffffffff801c3181>{journal_start+141} <ffffffff801b692f>{ext3_get_block+0}
[ 41.721363] <ffffffff8017bdbb>{block_prepare_write+32} <ffffffff801b598c>{ext3_prepare_
[ 41.732222] <ffffffff803a862f>{__write_unlock_irq+9} <ffffffff8015a6c2>{generic_file_buf
[ 41.743629] <ffffffff80191057>{update_atime+68} <ffffffff8013aabe>{current_fs_time+63}
[ 41.753553] <ffffffff8015b0f2>{do_generic_mapping_read+1353} <ffffffff8015be43>{__gener
[ 41.766164] <ffffffff8015e89d>{__alloc_pages+254} <ffffffff8015c165>{generic_file_aio_w
[ 41.777012] <ffffffff801b2d5c>{ext3_file_write+28} <ffffffff80178adb>{do_sync_write+223}
[ 41.787166] <ffffffff8016a2e9>{__handle_mm_fault+395} <ffffffff801f63ab>{__up_read+139}
[ 41.797232] <ffffffff803a903c>{do_page_fault+1064} <ffffffff80149e94>{autoremove_wake_f
[ 41.808198] <ffffffff803a85ae>{__spin_unlock+9} <ffffffff80178fa7>{vfs_write+178}
[ 41.817651] <ffffffff801794b3>{sys_write+69} <ffffffff8010e8f2>{system_call+126}
[ 41.827112]
.config:
#
# Automatically generated make config: don't edit
# Linux kernel version: 2.6.14-rc1
# Thu Sep 15 13:45:32 2005
#
CONFIG_X86_64=y
CONFIG_64BIT=y
CONFIG_X86=y
CONFIG_SEMAPHORE_SLEEPERS=y
CONFIG_MMU=y
CONFIG_RWSEM_GENERIC_SPINLOCK=y
CONFIG_GENERIC_CALIBRATE_DELAY=y
CONFIG_X86_CMPXCHG=y
CONFIG_EARLY_PRINTK=y
CONFIG_GENERIC_ISA_DMA=y
CONFIG_GENERIC_IOMAP=y
CONFIG_ARCH_MAY_HAVE_PC_FDC=y
#
```

Linux-Kernel: soft lockup disease (2.6.14-rc1, x86_64)

```
# Code maturity level options
#
CONFIG_EXPERIMENTAL=y
CONFIG_CLEAN_COMPILE=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_QUEUEUE=y
# CONFIG_BSD_PROCESS_ACCT is not set
CONFIG_SYSCTL=y
CONFIG_AUDIT=y
CONFIG_AUDITSYSCALL=y
CONFIG_HOTPLUG=y
CONFIG_KOBJECT_UEVENT=y
CONFIG_IKCONFIG=y
CONFIG_IKCONFIG_PROC=y
# CONFIG_CPUSETS is not set
CONFIG_INITRAMFS_SOURCE=""
CONFIG_EMBEDDED=y
CONFIG_KALLSYMS=y
# CONFIG_KALLSYMS_ALL is not set
# CONFIG_KALLSYMS_EXTRA_PASS is not set
CONFIG_PRINTK=y
CONFIG_BUG=y
CONFIG_BASE_FULL=y
CONFIG_FUTEX=y
CONFIG_EPOLL=y
CONFIG_CC_OPTIMIZE_FOR_SIZE=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_TINY_SHMEM is not set
CONFIG_BASE_SMALL=0
#
# Loadable module support
#
CONFIG_MODULES=y
CONFIG_MODULE_UNLOAD=y
# CONFIG_MODULE_FORCE_UNLOAD is not set
CONFIG_OBSOLETE_MODPARM=y
# CONFIG_MODVERSIONS is not set
# CONFIG_MODULE_SRCVERSION_ALL is not set
CONFIG_KMOD=y
CONFIG_STOP_MACHINE=y
#
# Processor type and features
#
# CONFIG_MK8 is not set
CONFIG_MPSC=y
# CONFIG_GENERIC_CPU is not set
CONFIG_X86_L1_CACHE_BYTES=128
CONFIG_X86_L1_CACHE_SHIFT=7
CONFIG_X86_TSC=y
CONFIG_X86_GOOD_APIC=y
```

Linux-Kernel: soft lockup disease (2.6.14-rc1, x86_64)

```
CONFIG_MICROCODE=y
CONFIG_X86_MSR=y
CONFIG_X86_CPUID=y
CONFIG_X86_HT=y
CONFIG_X86_IO_APIC=y
CONFIG_X86_LOCAL_APIC=y
CONFIG_MTRR=y
CONFIG_SMP=y
CONFIG_SCHED_SMT=y
CONFIG_PREEMPT_NONE=y
# CONFIG_PREEMPT_VOLUNTARY is not set
# CONFIG_PREEMPT is not set
# CONFIG_PREEMPT_BKL is not set
# CONFIG_K8_NUMA is not set
# CONFIG_NUMA_EMU is not set
# CONFIG_NUMA is not set
CONFIG_ARCH_FLATMEM_ENABLE=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 is not set
CONFIG_HAVE_ARCH_EARLY_PFN_TO_NID=y
CONFIG_HAVE_DEC_LOCK=y
CONFIG_NR_CPUS=8
CONFIG_HOTPLUG_CPU=y
CONFIG_HPET_TIMER=y
CONFIG_X86_PM_TIMER=y
CONFIG_GART_IOMMU=y
CONFIG_SWIOTLB=y
CONFIG_X86_MCE=y
CONFIG_X86_MCE_INTEL=y
CONFIG_PHYSICAL_START=0x100000
# CONFIG_KEXEC is not set
# CONFIG_SECCOMP is not set
# CONFIG_HZ_100 is not set
CONFIG_HZ_250=y
# CONFIG_HZ_1000 is not set
CONFIG_HZ=250
CONFIG_GENERIC_HARDIRQS=y
CONFIG_GENERIC_IRQ_PROBE=y
CONFIG_ISA_DMA_API=y
CONFIG_GENERIC_PENDING_IRQ=y
#
# Power management options
#
CONFIG_PM=y
# CONFIG_PM_DEBUG is not set
CONFIG_SOFTWARE_SUSPEND=y
CONFIG_PM_STD_PARTITION=""
CONFIG_SUSPEND_SMP=y
#
# ACPI (Advanced Configuration and Power Interface) Support
#
CONFIG_ACPI=y
CONFIG_ACPI_SLEEP=y
CONFIG_ACPI_SLEEP_PROC_FS=y
# CONFIG_ACPI_SLEEP_PROC_SLEEP is not set
CONFIG_ACPI_AC=y
CONFIG_ACPI_BATTERY=y
```

Linux-Kernel: soft lockup disease (2.6.14-rc1, x86_64)

```
CONFIG_ACPI_BUTTON=y
CONFIG_ACPI_VIDEO=y
CONFIG_ACPI_HOTKEY=y
CONFIG_ACPI_FAN=y
CONFIG_ACPI_PROCESSOR=y
CONFIG_ACPI_HOTPLUG_CPU=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_BLACKLIST_YEAR=0
# CONFIG_ACPI_DEBUG is not set
CONFIG_ACPI_EC=y
CONFIG_ACPI_POWER=y
CONFIG_ACPI_SYSTEM=y
CONFIG_ACPI_CONTAINER=y
#
# CPU Frequency scaling
#
CONFIG_CPU_FREQ=y
CONFIG_CPU_FREQ_TABLE=y
# CONFIG_CPU_FREQ_DEBUG is not set
CONFIG_CPU_FREQ_STAT=y
# CONFIG_CPU_FREQ_STAT_DETAILS is not set
CONFIG_CPU_FREQ_DEFAULT_GOV_PERFORMANCE=y
# CONFIG_CPU_FREQ_DEFAULT_GOV_USERSPACE is not set
CONFIG_CPU_FREQ_GOV_PERFORMANCE=y
CONFIG_CPU_FREQ_GOV_POWERSAVE=y
CONFIG_CPU_FREQ_GOV_USERSPACE=y
CONFIG_CPU_FREQ_GOV_ONDEMAND=y
CONFIG_CPU_FREQ_GOV_CONSERVATIVE=y
#
# CPUFreq processor drivers
#
# CONFIG_X86_POWERNOW_K8 is not set
# CONFIG_X86_SPEEDSTEP_CENTRINO is not set
CONFIG_X86_ACPI_CPUFREQ=y
#
# shared options
#
# CONFIG_X86_ACPI_CPUFREQ_PROC_INTF is not set
# CONFIG_X86_P4_CLOCKMOD is not set
# CONFIG_X86_SPEEDSTEP_LIB is not set
#
# Bus options (PCI etc.)
#
CONFIG_PCI=y
CONFIG_PCI_DIRECT=y
CONFIG_PCI_MMCONFIG=y
# CONFIG_UNORDERED_IO is not set
CONFIG_PCIEPORTBUS=y
CONFIG_HOTPLUG_PCI_PCIE=y
# CONFIG_HOTPLUG_PCI_PCIE_POLL_EVENT_MODE is not set
# CONFIG_PCI_MSI is not set
CONFIG_PCI_LEGACY_PROC=y
# CONFIG_PCI_DEBUG is not set
#
# PCCARD (PCMCIA/CardBus) support
#
CONFIG_PCCARD=m
# CONFIG_PCMCIA_DEBUG is not set
CONFIG_PCMCIA=m
```

Linux-Kernel: soft lockup disease (2.6.14-rc1, x86_64)

```
CONFIG_PCMCIA_LOAD_CIS=y
CONFIG_PCMCIA_IOCTL=y
CONFIG_CARDBUS=y
#
# PC-card bridges
#
CONFIG_YENTA=m
CONFIG_PD6729=m
CONFIG_I82092=m
# CONFIG_TCIC is not set
CONFIG_PCCARD_NONSTATIC=m
#
# PCI Hotplug Support
#
CONFIG_HOTPLUG_PCI=y
CONFIG_HOTPLUG_PCI_FAKE=m
CONFIG_HOTPLUG_PCI_ACPI=m
# CONFIG_HOTPLUG_PCI_ACPI_IBM is not set
# CONFIG_HOTPLUG_PCI_CPCI is not set
# CONFIG_HOTPLUG_PCI_SHPC is not set
#
# Executable file formats / Emulations
#
CONFIG_BINFMT_ELF=y
CONFIG_BINFMT_MISC=y
CONFIG_IA32_EMULATION=y
CONFIG_IA32_AOUT=y
CONFIG_COMPAT=y
CONFIG_SYSVIPC_COMPAT=y
CONFIG_UID16=y
#
# Networking
#
CONFIG_NET=y
#
# Networking options
#
CONFIG_PACKET=y
# CONFIG_PACKET_MMAP is not set
CONFIG_UNIX=y
# CONFIG_NET_KEY is not set
CONFIG_INET=y
CONFIG_IP_MULTICAST=y
# CONFIG_IP_ADVANCED_ROUTER is not set
CONFIG_IP_FIB_HASH=y
# CONFIG_IP_PNP is not set
# CONFIG_NET_IPIP is not set
# CONFIG_NET_IPGRE is not set
# CONFIG_IP_MROUTE is not set
# CONFIG_ARPD is not set
# CONFIG_SYN_COOKIES is not set
# CONFIG_INET_AH is not set
# CONFIG_INET_ESP is not set
# CONFIG_INET_IPCOMP is not set
# CONFIG_INET_TUNNEL is not set
CONFIG_INET_DIAG=y
CONFIG_INET_TCP_DIAG=y
# CONFIG_TCP_CONG_ADVANCED is not set
CONFIG_TCP_CONG_BIC=y
# CONFIG_IPV6 is not set
# CONFIG_NETFILTER is not set
#
```

Linux-Kernel: soft lockup disease (2.6.14-rc1, x86_64)

```
# DCCP Configuration (EXPERIMENTAL)
#
# CONFIG_IP_DCCP is not set
#
# 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
# CONFIG_NET_SCHED is not set
# CONFIG_NET_CLS_ROUTE is not set
#
# Network testing
#
# CONFIG_NET_PKTGEN is not set
# CONFIG_NETFILTER_NETLINK is not set
# CONFIG_HAMRADIO is not set
# CONFIG_IRDA is not set
# CONFIG_BT is not set
# CONFIG_IEEE80211 is not set
#
# Device Drivers
#
#
# Generic Driver Options
#
CONFIG_STANDALONE=y
CONFIG_PREVENT_FIRMWARE_BUILD=y
CONFIG_FW_LOADER=y
# CONFIG_DEBUG_DRIVER is not set
#
# Connector - unified userspace <-> kernel space linker
#
CONFIG_CONNECTOR=y
#
# Memory Technology Devices (MTD)
#
# CONFIG_MTD is not set
#
# Parallel port support
#
CONFIG_PARPORT=y
CONFIG_PARPORT_PC=y
# CONFIG_PARPORT_SERIAL is not set
# CONFIG_PARPORT_PC_FIFO is not set
# CONFIG_PARPORT_PC_SUPERIO is not set
# CONFIG_PARPORT_PC_PCMCIA is not set
# CONFIG_PARPORT_GSC is not set
CONFIG_PARPORT_1284=y
#
# Plug and Play support
#
```

Linux–Kernel: soft lockup disease (2.6.14–rc1, x86_64)

```
CONFIG_PNP=y
# CONFIG_PNP_DEBUG is not set
#
# Protocols
#
CONFIG_PNPACPI=y
#
# Block devices
#
CONFIG_BLK_DEV_FD=y
# 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_LBD=y
CONFIG_CDROM_PKTCDVD=y
CONFIG_CDROM_PKTCDVD_BUFFERS=8
# CONFIG_CDROM_PKTCDVD_WCACHE is not set
#
# IO Schedulers
#
CONFIG_IOSCHED_NOOP=y
CONFIG_IOSCHED_AS=y
CONFIG_IOSCHED_DEADLINE=y
CONFIG_IOSCHED_CFQ=y
# 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_IDECS is not set
CONFIG_BLK_DEV_IDECD=y
# CONFIG_BLK_DEV_IDETAPE is not set
# CONFIG_BLK_DEV_IDEFLOPPY is not set
CONFIG_BLK_DEV_IDESCSI=y
# CONFIG_IDE_TASK_IOCTL is not set
#
# IDE chipset support/bugfixes
#
CONFIG_IDE_GENERIC=y
# CONFIG_BLK_DEV_CMD640 is not set
# CONFIG_BLK_DEV_IDEPNP is not set
CONFIG_BLK_DEV_IDEPCI=y
CONFIG_IDEPCI_SHARE_IRQ=y
# CONFIG_BLK_DEV_OFFBOARD is not set
```

Linux-Kernel: soft lockup disease (2.6.14-rc1, x86_64)

```
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_HPT34X is not set
# CONFIG_BLK_DEV_HPT366 is not set
# CONFIG_BLK_DEV_SC1200 is not set
CONFIG_BLK_DEV_PIIX=y
# CONFIG_BLK_DEV_IT821X is not set
# CONFIG_BLK_DEV_NS87415 is not set
# CONFIG_BLK_DEV_PDC202XX_OLD is not set
# CONFIG_BLK_DEV_PDC202XX_NEW 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_IDE_ARM is not set
CONFIG_BLK_DEV_IDEDMA=y
# CONFIG_IDEDMA_IVB is not set
CONFIG_IDEDMA_AUTO=y
# CONFIG_BLK_DEV_HD is not set
#
# SCSI device support
#
# CONFIG_RAID_ATTRS is not set
CONFIG_SCSI=y
CONFIG_SCSI_PROC_FS=y
#
# 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 Transport Attributes
#
CONFIG_SCSI_SPI_ATTRS=y
# CONFIG_SCSI_FC_ATTRS is not set
```

Linux-Kernel: soft lockup disease (2.6.14-rc1, x86_64)

```
# CONFIG_SCSI_ISCSI_ATTRS is not set
# CONFIG_SCSI_SAS_ATTRS is not set
#
# SCSI low-level drivers
#
# 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=m
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=m
CONFIG_AIC79XX_CMDS_PER_DEVICE=32
CONFIG_AIC79XX_RESET_DELAY_MS=15000
# CONFIG_AIC79XX_ENABLE_RD_STRM is not set
CONFIG_AIC79XX_DEBUG_ENABLE=y
CONFIG_AIC79XX_DEBUG_MASK=0
CONFIG_AIC79XX_REG_PRETTY_PRINT=y
# CONFIG_MEGARAID_NEWGEN is not set
# CONFIG_MEGARAID_LEGACY is not set
CONFIG_SCSI_SATA=y
CONFIG_SCSI_SATA_AHCI=y
# CONFIG_SCSI_SATA_SVW is not set
CONFIG_SCSI_ATA_PIIX=y
# CONFIG_SCSI_SATA_MV is not set
# CONFIG_SCSI_SATA_NV is not set
# CONFIG_SCSI_SATA_PROMISE is not set
# CONFIG_SCSI_SATA_QSTOR is not set
# CONFIG_SCSI_SATA_SX4 is not set
# CONFIG_SCSI_SATA_SIL is not set
# CONFIG_SCSI_SATA_SIS is not set
# CONFIG_SCSI_SATA_ULI is not set
# CONFIG_SCSI_SATA_VIA is not set
# CONFIG_SCSI_SATA_VITESSE is not set
# CONFIG_SCSI_BUSLOGIC is not set
# CONFIG_SCSI_DMX3191D is not set
# CONFIG_SCSI_EATA is not set
# CONFIG_SCSI_FUTURE_DOMAIN is not set
# CONFIG_SCSI_GDTH is not set
# CONFIG_SCSI_IPS is not set
# CONFIG_SCSI_INITIO is not set
# CONFIG_SCSI_INIA100 is not set
CONFIG_SCSI_PPA=m
CONFIG_SCSI_IMM=m
# CONFIG_SCSI_IZIP_EPP16 is not set
# CONFIG_SCSI_IZIP_SLOW_CTR is not set
# CONFIG_SCSI_SYM53C8XX_2 is not set
# CONFIG_SCSI_IPR is not set
# CONFIG_SCSI_QLOGIC_FC is not set
# CONFIG_SCSI_QLOGIC_1280 is not set
CONFIG_SCSI_QLA2XXX=y
# CONFIG_SCSI_QLA21XX is not set
# CONFIG_SCSI_QLA22XX is not set
# CONFIG_SCSI_QLA2300 is not set
# CONFIG_SCSI_QLA2322 is not set
# CONFIG_SCSI_QLA6312 is not set
# CONFIG_SCSI_QLA24XX is not set
```

Linux-Kernel: soft lockup disease (2.6.14-rc1, x86_64)

```
# CONFIG_SCSI_LPFC is not set
# CONFIG_SCSI_DC395x is not set
# CONFIG_SCSI_DC390T is not set
CONFIG_SCSI_DEBUG=m
#
# PCMCIA SCSI adapter support
#
# CONFIG_PCMCIA_FDOMAIN is not set
# CONFIG_PCMCIA_QLOGIC is not set
# CONFIG_PCMCIA_SYM53C500 is not set
#
# Multi-device support (RAID and LVM)
#
# CONFIG_MD is not set
#
# Fusion MPT device support
#
# CONFIG_FUSION is not set
# CONFIG_FUSION_SPI is not set
# CONFIG_FUSION_FC is not set
#
# IEEE 1394 (FireWire) support
#
CONFIG_IEEE1394=m
#
# Subsystem Options
#
# CONFIG_IEEE1394_VERBOSEDEBUG is not set
# CONFIG_IEEE1394_OUI_DB is not set
CONFIG_IEEE1394_EXTRA_CONFIG_ROMS=y
CONFIG_IEEE1394_CONFIG_ROM_IP1394=y
# CONFIG_IEEE1394_EXPORT_FULL_API is not set
#
# Device Drivers
#
CONFIG_IEEE1394_PCILYNX=m
CONFIG_IEEE1394_OHCI1394=m
#
# Protocol Drivers
#
CONFIG_IEEE1394_VIDEO1394=m
CONFIG_IEEE1394_SBP2=m
# CONFIG_IEEE1394_SBP2_PHYS_DMA is not set
CONFIG_IEEE1394_ETH1394=m
CONFIG_IEEE1394_DV1394=m
CONFIG_IEEE1394_RAWIO=m
CONFIG_IEEE1394_CMP=m
CONFIG_IEEE1394_AMDTP=m
#
# 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
# CONFIG_NET_SB1000 is not set
#
```

Linux-Kernel: soft lockup disease (2.6.14-rc1, x86_64)

```
# ARCnet devices
#
# CONFIG_ARCNET is not set
#
# PHY device support
#
CONFIG_PHYLIB=y
CONFIG_PHYCONTROL=y
#
# MII PHY device drivers
#
# CONFIG_MARVELL_PHY is not set
# CONFIG_DAVICOM_PHY is not set
# CONFIG_QSEMI_PHY is not set
CONFIG_LXT_PHY=y
# CONFIG_CICADA_PHY is not set
#
# Ethernet (10 or 100Mbit)
#
CONFIG_NET_ETHERNET=y
CONFIG_MII=y
# CONFIG_HAPPYMEAL is not set
# CONFIG_SUNGEM is not set
# CONFIG_NET_VENDOR_3COM is not set
#
# Tulip family network device support
#
# CONFIG_NET_TULIP is not set
# CONFIG_HP100 is not set
CONFIG_NET_PCI=y
# CONFIG_PCNET32 is not set
# CONFIG_AMD8111_ETH is not set
# CONFIG_ADAPTEC_STARFIRE is not set
# CONFIG_B44 is not set
# CONFIG_FORCEETH is not set
# CONFIG_DGRS is not set
# CONFIG_EEPRO100 is not set
CONFIG_E100=y
# CONFIG_FEALNX is not set
# CONFIG_NATSEMI is not set
# CONFIG_NE2K_PCI is not set
# CONFIG_8139CP is not set
# CONFIG_8139TOO is not set
# CONFIG_SIS900 is not set
# CONFIG_EPIC100 is not set
# CONFIG_SUNDANCE is not set
# CONFIG_VIA_RHINE is not set
#
# Ethernet (1000 Mbit)
#
# CONFIG_ACENIC is not set
# CONFIG_DL2K is not set
CONFIG_E1000=y
# CONFIG_E1000_NAPI is not set
# CONFIG_NS83820 is not set
# CONFIG_HAMACHI is not set
# CONFIG_YELLOWFIN is not set
# CONFIG_R8169 is not set
# CONFIG_SIS190 is not set
# CONFIG_SKGE is not set
# CONFIG_SK98LIN is not set
# CONFIG_VIA_VELOCITY is not set
```

Linux-Kernel: soft lockup disease (2.6.14-rc1, x86_64)

```
# CONFIG_TIGON3 is not set
# CONFIG_BNX2 is not set
#
# Ethernet (10000 Mbit)
#
# CONFIG_CHELSIO_Tl 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
#
# PCMCIA network device support
#
# CONFIG_NET_PCMCIA 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_NETPOLL is not set
# 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=1280
CONFIG_INPUT_MOUSEDEV_SCREEN_Y=1024
# CONFIG_INPUT_JOYDEV is not set
# CONFIG_INPUT_TSDEV is not set
CONFIG_INPUT_EVDEV=y
# CONFIG_INPUT_EVBUG is not set
#
# Input Device Drivers
#
CONFIG_INPUT_KEYBOARD=y
CONFIG_KEYBOARD_ATKBD=y
```

Linux-Kernel: soft lockup disease (2.6.14-rc1, x86_64)

```
# CONFIG_KEYBOARD_SUNKBD is not set
# CONFIG_KEYBOARD_LKKBD is not set
# CONFIG_KEYBOARD_XTKBD is not set
# CONFIG_KEYBOARD_NEWTON is not set
CONFIG_INPUT_MOUSE=y
CONFIG_MOUSE_PS2=y
# CONFIG_MOUSE_SERIAL is not set
# CONFIG_MOUSE_VSXXXAA is not set
# CONFIG_INPUT_JOYSTICK is not set
# CONFIG_INPUT_TOUCHSCREEN is not set
CONFIG_INPUT_MISC=y
CONFIG_INPUT_PCSPKR=y
CONFIG_INPUT_UINPUT=y
#
# Hardware I/O ports
#
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=y
# CONFIG_SERIAL_8250_CS is not set
# CONFIG_SERIAL_8250_ACPI is not set
CONFIG_SERIAL_8250_NR_UARTS=4
# CONFIG_SERIAL_8250_EXTENDED is not set
#
# Non-8250 serial port support
#
CONFIG_SERIAL_CORE=y
CONFIG_SERIAL_CORE_CONSOLE=y
# CONFIG_SERIAL_JSM is not set
CONFIG_UNIX98_PTYS=y
CONFIG_LEGACY_PTYS=y
CONFIG_LEGACY_PTY_COUNT=256
CONFIG_PRINTER=y
CONFIG_LP_CONSOLE=y
# CONFIG_PPDEV is not set
# CONFIG_TIPAR is not set
#
# IPMI
#
# CONFIG_IPMI_HANDLER is not set
#
# Watchdog Cards
#
CONFIG_WATCHDOG=y
```

Linux-Kernel: soft lockup disease (2.6.14-rc1, x86_64)

```
# CONFIG_WATCHDOG_NOWAYOUT is not set
#
# Watchdog Device Drivers
#
CONFIG_SOFT_WATCHDOG=y
# CONFIG_ACQUIRE_WDT is not set
# CONFIG_ADVANTECH_WDT is not set
# CONFIG_ALIM1535_WDT is not set
# CONFIG_ALIM7101_WDT is not set
# CONFIG_SC520_WDT is not set
# CONFIG_EUROTECH_WDT is not set
# CONFIG_IB700_WDT is not set
# CONFIG_WAFER_WDT is not set
# CONFIG_I8XX_TCO is not set
# CONFIG_SC1200_WDT is not set
# CONFIG_60XX_WDT is not set
# CONFIG_CPU5_WDT is not set
# CONFIG_W83627HF_WDT is not set
# CONFIG_W83877F_WDT is not set
# CONFIG_MACHZ_WDT is not set
#
# PCI-based Watchdog Cards
#
# CONFIG_PCIPCWATCHDOG is not set
# CONFIG_WDTPCI is not set
#
# USB-based Watchdog Cards
#
# CONFIG_USBPCWATCHDOG is not set
# CONFIG_HW_RANDOM is not set
# CONFIG_NVRAM is not set
# CONFIG_RTC is not set
CONFIG_GEN_RTC=y
CONFIG_GEN_RTC_X=y
# CONFIG_DTLK is not set
# CONFIG_R3964 is not set
# CONFIG_APPLICOM is not set
#
# Ftape, the floppy tape device driver
#
CONFIG_AGP=y
CONFIG_AGP_AMD64=y
# CONFIG_AGP_INTEL is not set
CONFIG_DRM=y
# CONFIG_DRM_TDFX is not set
# CONFIG_DRM_R128 is not set
# CONFIG_DRM_RADEON is not set
# CONFIG_DRM_MGA is not set
# CONFIG_DRM_SIS is not set
# CONFIG_DRM_VIA is not set
# CONFIG_DRM_SAVAGE is not set
#
# PCMCIA character devices
#
# CONFIG_SYNCLINK_CS is not set
# CONFIG_MWAVE 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=y
#
```

Linux-Kernel: soft lockup disease (2.6.14-rc1, x86_64)

```
# TPM devices
#
# CONFIG_TCG_TPM is not set
#
# I2C support
#
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_I801=y
# CONFIG_I2C_I810 is not set
# CONFIG_I2C_PIIX4 is not set
# 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
# CONFIG_I2C_SAVAGE4 is not set
# CONFIG_SCx200_ACB is not set
# CONFIG_I2C_SIS5595 is not set
# CONFIG_I2C_SIS630 is not set
# CONFIG_I2C_SIS96X is not set
# CONFIG_I2C_STUB is not set
# CONFIG_I2C_VIA is not set
# CONFIG_I2C_VIAPRO is not set
# CONFIG_I2C_VOODOO3 is not set
# CONFIG_I2C_PCA_ISA is not set
#
# Miscellaneous I2C Chip support
#
# CONFIG_SENSORS_DS1337 is not set
# CONFIG_SENSORS_DS1374 is not set
# CONFIG_SENSORS_EEPROM is not set
# CONFIG_SENSORS_PCF8574 is not set
# CONFIG_SENSORS_PCA9539 is not set
# CONFIG_SENSORS_PCF8591 is not set
# CONFIG_SENSORS_RTC8564 is not set
# CONFIG_SENSORS_MAX6875 is not set
# CONFIG_I2C_DEBUG_CORE is not set
# CONFIG_I2C_DEBUG_ALGO is not set
# CONFIG_I2C_DEBUG_BUS is not set
# CONFIG_I2C_DEBUG_CHIP is not set
#
# Dallas's 1-wire bus
#
# CONFIG_W1 is not set
#
# Hardware Monitoring support
#
CONFIG_HWMON=y
```

Linux-Kernel: soft lockup disease (2.6.14-rc1, x86_64)

```
# CONFIG_HWMON_VID is not set
# CONFIG_SENSORS_ADM1021 is not set
# CONFIG_SENSORS_ADM1025 is not set
# CONFIG_SENSORS_ADM1026 is not set
# CONFIG_SENSORS_ADM1031 is not set
# CONFIG_SENSORS_ADM9240 is not set
# CONFIG_SENSORS_ASB100 is not set
# CONFIG_SENSORS_ATXP1 is not set
# CONFIG_SENSORS_DS1621 is not set
# CONFIG_SENSORS_FSCHER is not set
# CONFIG_SENSORS_FSCPOS is not set
# CONFIG_SENSORS_GL518SM is not set
# CONFIG_SENSORS_GL520SM is not set
# CONFIG_SENSORS_IT87 is not set
# CONFIG_SENSORS_LM63 is not set
# CONFIG_SENSORS_LM75 is not set
# CONFIG_SENSORS_LM77 is not set
# CONFIG_SENSORS_LM78 is not set
# CONFIG_SENSORS_LM80 is not set
# CONFIG_SENSORS_LM83 is not set
# CONFIG_SENSORS_LM85 is not set
# CONFIG_SENSORS_LM87 is not set
# CONFIG_SENSORS_LM90 is not set
# CONFIG_SENSORS_LM92 is not set
# CONFIG_SENSORS_MAX1619 is not set
# CONFIG_SENSORS_PC87360 is not set
# CONFIG_SENSORS_SIS5595 is not set
# CONFIG_SENSORS_SMSC47M1 is not set
# CONFIG_SENSORS_SMSC47B397 is not set
# CONFIG_SENSORS_VIA686A is not set
# CONFIG_SENSORS_W83781D is not set
# CONFIG_SENSORS_W83792D is not set
# CONFIG_SENSORS_W83L785TS is not set
# CONFIG_SENSORS_W83627HF is not set
# CONFIG_SENSORS_W83627EHF is not set
# CONFIG_SENSORS_HDAPS is not set
# CONFIG_HWMON_DEBUG_CHIP is not set
#
# Misc devices
#
# CONFIG_IBM_ASM is not set
#
# Multimedia Capabilities Port drivers
#
#
# Multimedia devices
#
CONFIG_VIDEO_DEV=m
#
# Video For Linux
#
#
# Video Adapters
#
# CONFIG_VIDEO_BT848 is not set
# CONFIG_VIDEO_BWQCAM is not set
# CONFIG_VIDEO_CQCAM is not set
# CONFIG_VIDEO_W9966 is not set
CONFIG_VIDEO_CPIA=m
CONFIG_VIDEO_CPIA_PP=m
CONFIG_VIDEO_CPIA_USB=m
# CONFIG_VIDEO_SAA5246A is not set
```

Linux-Kernel: soft lockup disease (2.6.14-rc1, x86_64)

```
# CONFIG_VIDEO_SAA5249 is not set
# CONFIG_TUNER_3036 is not set
# CONFIG_VIDEO_STRADIS is not set
# CONFIG_VIDEO_ZORAN is not set
# CONFIG_VIDEO_SAA7134 is not set
# CONFIG_VIDEO_MXB is not set
# CONFIG_VIDEO_DPC is not set
# CONFIG_VIDEO_HEXIUM_ORION is not set
# CONFIG_VIDEO_HEXIUM_GEMINI is not set
# CONFIG_VIDEO_CX88 is not set
# CONFIG_VIDEO_OVCAMCHIP is not set
#
# Radio Adapters
#
# CONFIG_RADIO_GEMTEK_PCI is not set
# CONFIG_RADIO_MAXIRADIO is not set
# CONFIG_RADIO_MAESTRO is not set
#
# Digital Video Broadcasting Devices
#
# CONFIG_DVB is not set
#
# Graphics support
#
CONFIG_FB=y
CONFIG_FB_CFB_FILLRECT=y
CONFIG_FB_CFB_COPYAREA=y
CONFIG_FB_CFB_IMAGEBLIT=y
CONFIG_FB_SOFT_CURSOR=y
# CONFIG_FB_MACMODES is not set
CONFIG_FB_MODE_HELPERS=y
# CONFIG_FB_TILEBLITTING is not set
# CONFIG_FB_CIRRUS is not set
# CONFIG_FB_PM2 is not set
# CONFIG_FB_CYBER2000 is not set
# CONFIG_FB_ARC is not set
# CONFIG_FB_ASILIANT is not set
# CONFIG_FB_IMSTT is not set
# CONFIG_FB_VGA16 is not set
CONFIG_FB_VESA=y
CONFIG_VIDEO_SELECT=y
# CONFIG_FB_HGA is not set
# CONFIG_FB_NVIDIA is not set
# CONFIG_FB_RIVA is not set
# CONFIG_FB_MATROX is not set
# CONFIG_FB_RADEON_OLD is not set
CONFIG_FB_RADEON=y
CONFIG_FB_RADEON_I2C=y
# CONFIG_FB_RADEON_DEBUG is not set
# CONFIG_FB_ATY128 is not set
# CONFIG_FB_ATY is not set
# CONFIG_FB_SAVAGE is not set
# CONFIG_FB_SIS is not set
# CONFIG_FB_NEOMAGIC is not set
# CONFIG_FB_KYRO is not set
# CONFIG_FB_3DFX is not set
# CONFIG_FB_VOODOO1 is not set
# CONFIG_FB_CYBLA is not set
# CONFIG_FB_TRIDENT is not set
# CONFIG_FB_GEODE is not set
# CONFIG_FB_S1D13XXX is not set
# CONFIG_FB_VIRTUAL is not set
```

Linux-Kernel: soft lockup disease (2.6.14-rc1, x86_64)

```
#
# Console display driver support
#
CONFIG_VGA_CONSOLE=y
CONFIG_DUMMY_CONSOLE=y
CONFIG_FRAMEBUFFER_CONSOLE=y
CONFIG_FONTS=y
CONFIG_FONT_8x8=y
CONFIG_FONT_8x16=y
# CONFIG_FONT_6x11 is not set
# CONFIG_FONT_7x14 is not set
# CONFIG_FONT_PEARL_8x8 is not set
# CONFIG_FONT_ACORN_8x8 is not set
# CONFIG_FONT_MINI_4x6 is not set
# CONFIG_FONT_SUN8x16 is not set
# CONFIG_FONT_SUN12x22 is not set
# CONFIG_FONT_10x18 is not set
#
# Logo configuration
#
# CONFIG_LOGO is not set
# CONFIG_BACKLIGHT_LCD_SUPPORT is not set
#
# Sound
#
CONFIG_SOUND=y
#
# Advanced Linux Sound Architecture
#
CONFIG_SND=y
CONFIG_SND_TIMER=y
CONFIG_SND_PCM=y
CONFIG_SND_SEQUENCER=y
# CONFIG_SND_SEQ_DUMMY is not set
# CONFIG_SND_MIXER_OSS is not set
# CONFIG_SND_PCM_OSS is not set
# CONFIG_SND_SEQUENCER_OSS is not set
# CONFIG_SND_VERBOSE_PRINTK is not set
# CONFIG_SND_DEBUG is not set
#
# Generic devices
#
# CONFIG_SND_DUMMY is not set
# CONFIG_SND_VIRMIDI is not set
# CONFIG_SND_MTPAV is not set
# CONFIG_SND_SERIAL_U16550 is not set
# CONFIG_SND_MPU401 is not set
CONFIG_SND_AC97_CODEC=y
CONFIG_SND_AC97_BUS=y
#
# PCI devices
#
# CONFIG_SND_ALI5451 is not set
# CONFIG_SND_ATIIXP is not set
# CONFIG_SND_ATIIXP_MODEM is not set
# CONFIG_SND_AU8810 is not set
# CONFIG_SND_AU8820 is not set
# CONFIG_SND_AU8830 is not set
# CONFIG_SND_AZT3328 is not set
# CONFIG_SND_BT87X is not set
# CONFIG_SND_CS46XX is not set
# CONFIG_SND_CS4281 is not set
```

Linux-Kernel: soft lockup disease (2.6.14-rc1, x86_64)

```
# CONFIG_SND_EMU10K1 is not set
# CONFIG_SND_EMU10K1X is not set
# CONFIG_SND_CA0106 is not set
# CONFIG_SND_KORG1212 is not set
# CONFIG_SND_MIXART is not set
# CONFIG_SND_NM256 is not set
# CONFIG_SND_RME32 is not set
# CONFIG_SND_RME96 is not set
# CONFIG_SND_RME9652 is not set
# CONFIG_SND_HDSP is not set
# CONFIG_SND_HDSPM is not set
# CONFIG_SND_TRIDENT is not set
# CONFIG_SND_YMFPCI is not set
# CONFIG_SND_ALS4000 is not set
# CONFIG_SND_CMIPCI is not set
# CONFIG_SND_ENS1370 is not set
# CONFIG_SND_ENS1371 is not set
# CONFIG_SND_ES1938 is not set
# CONFIG_SND_ES1968 is not set
# CONFIG_SND_MAESTRO3 is not set
# CONFIG_SND_FM801 is not set
# CONFIG_SND_ICEL712 is not set
# CONFIG_SND_ICEL724 is not set
CONFIG_SND_INTEL8X0=y
# CONFIG_SND_INTEL8X0M is not set
# CONFIG_SND_SONICVIBES is not set
# CONFIG_SND_VIA82XX is not set
# CONFIG_SND_VIA82XX_MODEM is not set
# CONFIG_SND_VX222 is not set
CONFIG_SND_HDA_INTEL=y
#
# USB devices
#
# CONFIG_SND_USB_AUDIO is not set
# CONFIG_SND_USB_USX2Y is not set
#
# PCMCIA devices
#
#
# 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 is not set
#
# Miscellaneous USB options
#
CONFIG_USB_DEVICEFS=y
# CONFIG_USB_BANDWIDTH is not set
# CONFIG_USB_DYNAMIC_MINORS is not set
# CONFIG_USB_SUSPEND is not set
# CONFIG_USB_OTG is not set
#
# USB Host Controller Drivers
#
CONFIG_USB_EHCI_HCD=y
# CONFIG_USB_EHCI_SPLIT_ISO is not set
```

Linux-Kernel: soft lockup disease (2.6.14-rc1, x86_64)

```
# CONFIG_USB_EHCI_ROOT_HUB_TT is not set
# CONFIG_USB_ISP116X_HCD is not set
CONFIG_USB_OHCI_HCD=y
# CONFIG_USB_OHCI_BIG_ENDIAN is not set
CONFIG_USB_OHCI_LITTLE_ENDIAN=y
CONFIG_USB_UHCI_HCD=y
# CONFIG_USB_SL811_HCD is not set
#
# USB Device Class drivers
#
# CONFIG_OBSOLETE_OSS_USB_DRIVER is not set
# CONFIG_USB_BLUETOOTH_TTY is not set
# CONFIG_USB_ACM is not set
CONFIG_USB_PRINTER=m
#
# NOTE: USB_STORAGE enables SCSI, and 'SCSI disk support' may also be needed; see USB_STORAGE Help
#
CONFIG_USB_STORAGE=m
# CONFIG_USB_STORAGE_DEBUG is not set
# CONFIG_USB_STORAGE_DATAFAB is not set
# CONFIG_USB_STORAGE_FREECOM is not set
# CONFIG_USB_STORAGE_ISD200 is not set
# CONFIG_USB_STORAGE_DPCM is not set
# CONFIG_USB_STORAGE_USBAT is not set
# CONFIG_USB_STORAGE_SDDR09 is not set
# CONFIG_USB_STORAGE_SDDR55 is not set
# CONFIG_USB_STORAGE_JUMPSHOT is not set
# CONFIG_USB_STORAGE_ONETOUCH is not set
#
# USB Input Devices
#
CONFIG_USB_HID=y
CONFIG_USB_HIDINPUT=y
# CONFIG_HID_FF is not set
# CONFIG_USB_HIDDEV is not set
# CONFIG_USB_AIPTEK is not set
# CONFIG_USB_WACOM is not set
# CONFIG_USB_ACECAD is not set
# CONFIG_USB_KBTAB is not set
# CONFIG_USB_POWERMATE is not set
# CONFIG_USB_MTOUCH is not set
# CONFIG_USB_ITMTOUCH is not set
# 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_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
# CONFIG_USB_VICAM is not set
# CONFIG_USB_DSBR is not set
# CONFIG_USB_IBMCAM is not set
# CONFIG_USB_KONICAWC is not set
# CONFIG_USB_OV511 is not set
```

Linux-Kernel: soft lockup disease (2.6.14-rc1, x86_64)

```
# CONFIG_USB_SE401 is not set
# CONFIG_USB_SN9C102 is not set
# CONFIG_USB_STV680 is not set
# CONFIG_USB_PWC is not set
#
# 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
#
# 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=m
CONFIG_USB_LED=m
CONFIG_USB_CYTHERM=m
CONFIG_USB_PHIDGETKIT=m
CONFIG_USB_PHIDGETSERVO=m
# 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
#
#
# Firmware Drivers
#
CONFIG_EDD=y
# CONFIG_DELL_RBU is not set
# CONFIG_DCDBAS is not set
```

```

#
# File systems
#
CONFIG_EXT2_FS=y
# CONFIG_EXT2_FS_XATTR is not set
# CONFIG_EXT2_FS_XIP is not set
CONFIG_EXT3_FS=y
CONFIG_EXT3_FS_XATTR=y
# CONFIG_EXT3_FS_POSIX_ACL is not set
# CONFIG_EXT3_FS_SECURITY is not set
CONFIG_JBD=y
# CONFIG_JBD_DEBUG is not set
CONFIG_FS_MBCACHE=y
CONFIG_REISERFS_FS=m
# CONFIG_REISERFS_CHECK is not set
CONFIG_REISERFS_PROC_INFO=y
# CONFIG_REISERFS_FS_XATTR is not set
CONFIG_JFS_FS=m
# CONFIG_JFS_POSIX_ACL is not set
# CONFIG_JFS_SECURITY is not set
# CONFIG_JFS_DEBUG is not set
CONFIG_JFS_STATISTICS=y
# CONFIG_FS_POSIX_ACL is not set
CONFIG_XFS_FS=m
# CONFIG_XFS_QUOTA is not set
# CONFIG_XFS_SECURITY is not set
# CONFIG_XFS_POSIX_ACL is not set
# CONFIG_XFS_RT is not set
CONFIG_MINIX_FS=m
CONFIG_ROMFS_FS=m
CONFIG_INOTIFY=y
# CONFIG_QUOTA is not set
CONFIG_DNOTIFY=y
# CONFIG_AUTOFS_FS is not set
# CONFIG_AUTOFS4_FS is not set
# CONFIG_FUSE_FS is not set
#
# CD-ROM/DVD Filesystems
#
CONFIG_ISO9660_FS=y
CONFIG_JOLIET=y
CONFIG_ZISOFS=y
CONFIG_ZISOFS_FS=y
CONFIG_UDF_FS=y
CONFIG_UDF_NLS=y
#
# DOS/FAT/NT Filesystems
#
CONFIG_FAT_FS=y
CONFIG_MSDOS_FS=y
CONFIG_VFAT_FS=y
CONFIG_FAT_DEFAULT_CODEPAGE=437
CONFIG_FAT_DEFAULT_IOCHARSET="iso8859-1"
CONFIG_NTFS_FS=m
# CONFIG_NTFS_DEBUG is not set
# CONFIG_NTFS_RW is not set
#
# Pseudo filesystems
#
CONFIG_PROC_FS=y
CONFIG_PROC_KCORE=y
CONFIG_SYSFS=y

```

Linux-Kernel: soft lockup disease (2.6.14-rc1, x86_64)

```
CONFIG_TMPFS=y
# CONFIG_HUGETLBFS is not set
# CONFIG_HUGETLB_PAGE is not set
CONFIG_RAMFS=y
CONFIG_RELAYFS_FS=y
#
# Miscellaneous filesystems
#
# CONFIG_ADFS_FS is not set
# CONFIG_AFFS_FS is not set
# CONFIG_HFS_FS is not set
# CONFIG_HFSPLUS_FS is not set
# CONFIG_BEFS_FS is not set
# CONFIG_BFS_FS is not set
# CONFIG_EFS_FS is not set
CONFIG_CRAMFS=m
# CONFIG_VXFS_FS is not set
# CONFIG_HPFS_FS is not set
# CONFIG_QNX4FS_FS is not set
# CONFIG_SYSV_FS is not set
CONFIG_UFS_FS=m
# CONFIG_UFS_FS_WRITE is not set
#
# Network File Systems
#
# CONFIG_NFS_FS is not set
# CONFIG_NFSD is not set
# CONFIG_SMB_FS is not set
# CONFIG_CIFS is not set
# CONFIG_NCP_FS is not set
# CONFIG_CODA_FS is not set
# CONFIG_AFS_FS is not set
# CONFIG_9P_FS is not set
#
# Partition Types
#
CONFIG_PARTITION_ADVANCED=y
# CONFIG_ACORN_PARTITION is not set
# CONFIG_OSF_PARTITION is not set
# CONFIG_AMIGA_PARTITION is not set
# CONFIG_ATARI_PARTITION is not set
# CONFIG_MAC_PARTITION is not set
CONFIG_MSDOS_PARTITION=y
# CONFIG_BSD_DISKLABEL is not set
# CONFIG_MINIX_SUBPARTITION is not set
# CONFIG_SOLARIS_X86_PARTITION is not set
# CONFIG_UNIXWARE_DISKLABEL is not set
# CONFIG_LDM_PARTITION is not se
```