

Re: [PATCH 3/3] faster workaround

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2007-10/msg04648.html>

- *From:* Bernd Schubert <bs@xxxxxxxxxx>
 - *Date:* Mon, 15 Oct 2007 12:18:37 +0200
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On Friday 12 October 2007 23:08:21 Jeff Garzik wrote:

Bernd Schubert wrote:

- a) 2.6.23 + sil-patch I posted, this is on a customer system (though my former group), I wouldn't like to use -mm there.
- b) .config is attached
- c) attached
- d) attached (don't get irritated by those machine check events, thats "GART TLB error", harmless warnings, just not disabled in the bios).

Any chance you could provide dmesg on 2.6.23 without the sil patch?

Its attached.

Bernd

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Bernd Schubert

Q-Leap Networks GmbH

[0.000000] Linux version 2.6.23-1162 (bschubert@lanczos) (gcc version 3.4.6 (Ubuntu 3.4.6-5ubuntu1)) #7 SMP Mon Oct 15 11:50:28 CEST 2007

[0.000000] Command line: root=/dev/ram0 ramdisk_size=110592 console=tty0 console=ttyS0,115200

[0.000000] BIOS-provided physical RAM map:

[0.000000] BIOS-e820: 0000000000000000 - 000000000009f400 (usable)

[0.000000] BIOS-e820: 000000000009f400 - 00000000000a0000 (reserved)

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

[0.000000] BIOS-e820: 0000000000100000 - 00000000fbff0000 (usable)

[0.000000] BIOS-e820: 00000000fbff0000 - 00000000fbfff000 (ACPI data)

[0.000000] BIOS-e820: 00000000fbfff000 - 00000000fc000000 (ACPI NVS)

[0.000000] BIOS-e820: 00000000ff780000 - 0000000100000000 (reserved)

[0.000000] BIOS-e820: 0000000100000000 - 0000000400000000 (usable)

[0.000000] Entering add_active_range(0, 0, 159) 0 entries of 3200 used

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[ 0.000000] Entering add_active_range(0, 256, 1032176) 1 entries of 3200 used
[ 0.000000] Entering add_active_range(0, 1048576, 4194304) 2 entries of 3200 used
[ 0.000000] end_pfn_map = 4194304
[ 0.000000] DMI 2.3 present.
[ 0.000000] ACPI: RSDP 000F6F20, 0014 (r0 ACPIAM)
[ 0.000000] ACPI: RSDT FBFF0000, 0038 (r1 A M I OEMRSDT 7000626 MSFT 97)
[ 0.000000] ACPI: FACP FBFF0200, 0081 (r1 A M I OEMFACP 7000626 MSFT 97)
[ 0.000000] ACPI: DSDT FBFF0410, 3751 (r1 0AAAA 0AAAA000 0 INTL 2002026)
[ 0.000000] ACPI: FACS FBFF0000, 0040
[ 0.000000] ACPI: APIC FBFF0380, 0084 (r1 A M I OEMAPIC 7000626 MSFT 97)
[ 0.000000] ACPI: OEMB FBFFF040, 0041 (r1 A M I OEMBIOS 7000626 MSFT 97)
[ 0.000000] ACPI: SRAT FBFF3B70, 0110 (r1 A M I OEMSRAT 7000626 MSFT 97)
[ 0.000000] ACPI: ASF! FBFF3C80, 0086 (r1 AMIASF AMDSTRET 1 INTL 2002026)
[ 0.000000] SRAT: PXM 0 -> APIC 0 -> Node 0
[ 0.000000] SRAT: PXM 1 -> APIC 1 -> Node 1
[ 0.000000] SRAT: Node 0 PXM 0 100000-fc000000
[ 0.000000] Entering add_active_range(0, 256, 1032176) 0 entries of 3200 used
[ 0.000000] SRAT: Node 1 PXM 1 200000000-400000000
[ 0.000000] Entering add_active_range(1, 2097152, 4194304) 1 entries of 3200 used
[ 0.000000] SRAT: Node 0 PXM 0 100000-200000000
[ 0.000000] Entering add_active_range(0, 256, 1032176) 2 entries of 3200 used
[ 0.000000] Entering add_active_range(0, 1048576, 2097152) 2 entries of 3200 used
[ 0.000000] SRAT: Node 0 PXM 0 0-200000000
[ 0.000000] Entering add_active_range(0, 0, 159) 3 entries of 3200 used
[ 0.000000] Entering add_active_range(0, 256, 1032176) 4 entries of 3200 used
[ 0.000000] Entering add_active_range(0, 1048576, 2097152) 4 entries of 3200 used
[ 0.000000] NUMA: Using 33 for the hash shift.
[ 0.000000] Bootmem setup node 0 0000000000000000-0000000200000000
[ 0.000000] Bootmem setup node 1 0000000200000000-0000000400000000
[ 0.000000] Zone PFN ranges:
[ 0.000000] DMA 0 -> 4096
[ 0.000000] DMA32 4096 -> 1048576
[ 0.000000] Normal 1048576 -> 4194304
[ 0.000000] Movable zone start PFN for each node
[ 0.000000] early_node_map[4] active PFN ranges
[ 0.000000] 0: 0 -> 159
[ 0.000000] 0: 256 -> 1032176
[ 0.000000] 0: 1048576 -> 2097152
[ 0.000000] 1: 2097152 -> 4194304
[ 0.000000] On node 0 totalpages: 2080655
[ 0.000000] DMA zone: 56 pages used for memmap
[ 0.000000] DMA zone: 1451 pages reserved
[ 0.000000] DMA zone: 2492 pages, LIFO batch:0
[ 0.000000] DMA32 zone: 14280 pages used for memmap
[ 0.000000] DMA32 zone: 1013800 pages, LIFO batch:31
[ 0.000000] Normal zone: 14336 pages used for memmap
[ 0.000000] Normal zone: 1034240 pages, LIFO batch:31
[ 0.000000] Movable zone: 0 pages used for memmap
[ 0.000000] On node 1 totalpages: 2097152
[ 0.000000] DMA zone: 0 pages used for memmap
[ 0.000000] DMA32 zone: 0 pages used for memmap
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[ 0.000000] Normal zone: 28672 pages used for memmap
[ 0.000000] Normal zone: 2068480 pages, LIFO batch:31
[ 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[0x01] lapic_id[0x00] enabled)
[ 0.000000] Processor #0 (Bootup-CPU)
[ 0.000000] ACPI: LAPIC (acpi_id[0x02] lapic_id[0x01] enabled)
[ 0.000000] Processor #1
[ 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: IOAPIC (id[0x02] address[0xfec00000] gsi_base[0])
[ 0.000000] IOAPIC[0]: apic_id 2, address 0xfec00000, GSI 0-23
[ 0.000000] ACPI: IOAPIC (id[0x03] address[0xfebff000] gsi_base[24])
[ 0.000000] IOAPIC[1]: apic_id 3, address 0xfebff000, GSI 24-27
[ 0.000000] ACPI: IOAPIC (id[0x04] address[0xfebfe000] gsi_base[28])
[ 0.000000] IOAPIC[2]: apic_id 4, address 0xfebfe000, GSI 28-31
[ 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 0 global_irq 2 dfl dfl)
[ 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 flat
[ 0.000000] Using ACPI (MADT) for SMP configuration information
[ 0.000000] Allocating PCI resources starting at fc400000 (gap: fc000000:3780000)
[ 0.000000] .eh_frame_hdr for 'kernel' present but unusable
[ 0.000000] SMP: Allowing 4 CPUs, 2 hotplug CPUs
[ 0.000000] PERCPU: Allocating 32872 bytes of per cpu data
[ 0.000000] Built 2 zonelists in Zone order. Total pages: 4119012
[ 0.000000] Policy zone: Normal
[ 0.000000] Kernel command line: root=/dev/ram0 ramdisk_size=110592 console=tty0 console=ttyS0,115200
[ 0.000000] Initializing CPU#0
[ 0.000000] PID hash table entries: 4096 (order: 12, 32768 bytes)
[ 0.000000] Marking TSC unstable due to TSCs unsynchronized
[ 114.643908] time.c: Detected 1992.367 MHz processor.
[ 114.648062] Console: colour VGA+ 80x25
[ 114.648065] console [tty0] enabled
[ 114.660503] console [ttyS0] enabled
[ 115.061441] Checking aperture...
[ 115.064821] CPU 0: aperture @ 4000000 size 32 MB
[ 115.069609] Aperture too small (32 MB)
[ 115.080187] No AGP bridge found
[ 115.083491] Your BIOS doesn't leave a aperture memory hole
[ 115.089157] Please enable the IOMMU option in the BIOS setup
[ 115.094996] This costs you 64 MB of RAM
[ 115.129197] Mapping aperture over 65536 KB of RAM @ 4000000
[ 115.657704] Memory: 16368744k/16777216k available (3104k kernel code, 342484k reserved, 1703k data,
320k init)
[ 115.668042] SLUB: Genslabs=23, HWalign=64, Order=0-1, MinObjects=4, CPUs=4, Nodes=2
[ 115.751854] Calibrating delay using timer specific routine.. 3988.62 BogoMIPS (lpj=7977257)
[ 115.761773] Dentry cache hash table entries: 2097152 (order: 12, 16777216 bytes)
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[115.781701] Inode-cache hash table entries: 1048576 (order: 11, 8388608 bytes)
[115.795079] Mount-cache hash table entries: 256
[115.799928] CPU: L1 I Cache: 64K (64 bytes/line), D cache 64K (64 bytes/line)
[115.807258] CPU: L2 Cache: 1024K (64 bytes/line)
[115.812046] CPU 0/0 -> Node 0
[115.815186] SMP alternatives: switching to UP code
[115.820804] ACPI: Core revision 20070126
[115.866967] Using local APIC timer interrupts.
[115.921673] result 12452292
[115.924622] Detected 12.452 MHz APIC timer.
[115.931591] SMP alternatives: switching to SMP code
[115.937126] Booting processor 1/2 APIC 0x1
[115.951486] Initializing CPU#1
[116.031323] Calibrating delay using timer specific routine.. 3984.78 BogoMIPS (lpj=7969570)
[116.031332] CPU: L1 I Cache: 64K (64 bytes/line), D cache 64K (64 bytes/line)
[116.031334] CPU: L2 Cache: 1024K (64 bytes/line)
[116.031337] CPU 1/1 -> Node 1
[116.031467] AMD Opteron(tm) Processor 246 stepping 0a
[116.035345] Brought up 2 CPUs
[116.073142] NET: Registered protocol family 16
[116.077915] ACPI: bus type pci registered
[116.082208] PCI: Using configuration type 1
[116.091900] ACPI: EC: Look up EC in DSDT
[116.095037] ACPI: Interpreter enabled
[116.098858] ACPI: (supports S0 S1 S5)
[116.102917] ACPI: Using IOAPIC for interrupt routing
[116.113996] ACPI: PCI Root Bridge [PCI0] (0000:00)
[116.119869] ACPI: PCI Interrupt Routing Table [_SB_.PCI0._PRT]
[116.119937] ACPI: PCI Interrupt Routing Table [_SB_.PCI0.PCI1._PRT]
[116.120018] ACPI: PCI Interrupt Routing Table [_SB_.PCI0.GOLA._PRT]
[116.120113] ACPI: PCI Interrupt Routing Table [_SB_.PCI0.GOLB._PRT]
[116.122439] ACPI: PCI Interrupt Link [LNKA] (IRQs 3 4 *5 6 7 9 10 11 12 14 15)
[116.130993] ACPI: PCI Interrupt Link [LNKB] (IRQs 3 4 5 6 7 *9 10 11 12 14 15)
[116.139545] ACPI: PCI Interrupt Link [LNKC] (IRQs 3 4 5 6 7 9 10 *11 12 14 15)
[116.148099] ACPI: PCI Interrupt Link [LNKD] (IRQs 3 4 5 6 7 9 *10 11 12 14 15)
[116.156662] Linux Plug and Play Support v0.97 (c) Adam Belay
[116.162529] pnp: PnP ACPI init
[116.165778] ACPI: bus type pnp registered
[116.173458] pnp: PnP ACPI: found 15 devices
[116.177812] ACPI: ACPI bus type pnp unregistered
[116.182789] SCSI subsystem initialized
[116.186738] libata version 2.21 loaded.
[116.186886] PCI: Using ACPI for IRQ routing
[116.191261] PCI: If a device doesn't work, try "pci=routeirq". If it helps, post a report
[116.231015] PCI-DMA: Disabling AGP.
[116.235147] PCI-DMA: aperture base @ 4000000 size 65536 KB
[116.240820] PCI-DMA: using GART IOMMU.
[116.244738] PCI-DMA: Reserving 64MB of IOMMU area in the AGP aperture
[116.267017] pnp: 00:0a: ioport range 0x680-0x6ff has been reserved
[116.273381] pnp: 00:0a: ioport range 0x295-0x296 has been reserved
[116.279745] pnp: 00:0a: ioport range 0x778-0x77f has been reserved

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[116.286109] pnp: 00:0a: ioport range 0xb78–0xb7f has been reserved
[116.292466] pnp: 00:0a: ioport range 0xf78–0xf7f has been reserved
[116.298834] pnp: 00:0d: ioport range 0xca0–0xcaf has been reserved
[116.305199] pnp: 00:0d: iomem range 0xfec00000–0xfec00fff has been reserved
[116.312350] pnp: 00:0d: iomem range 0xfe000000–0xfe00fff could not be reserved
[116.319916] pnp: 00:0d: iomem range 0xffff80000–0xffffffff could not be reserved
[116.327484] pnp: 00:0d: iomem range 0xff780000–0xff7ffff could not be reserved
[116.335054] pnp: 00:0e: iomem range 0x0–0x9ffff could not be reserved
[116.341680] pnp: 00:0e: iomem range 0xc0000–0xdffff has been reserved
[116.348307] pnp: 00:0e: iomem range 0xe0000–0xfffff could not be reserved
[116.355281] pnp: 00:0e: iomem range 0x100000–0xfbfffff could not be reserved
[116.362943] PCI: Bridge: 0000:00:06.0
[116.366718] Time: acpi_pm clocksource has been installed.
[116.372341] IO window: 9000–bfff
[116.375907] MEM window: fc900000–feafffff
[116.380256] PREFETCH window: disabled.
[116.384344] PCI: Bridge: 0000:00:0a.0
[116.388169] IO window: disabled.
[116.391730] MEM window: fc800000–fc8fffff
[116.396081] PREFETCH window: ff500000–ff5fffff
[116.400869] PCI: Bridge: 0000:00:0b.0
[116.404691] IO window: disabled.
[116.408250] MEM window: disabled.
[116.411900] PREFETCH window: disabled.
[116.416058] NET: Registered protocol family 2
[116.462865] IP route cache hash table entries: 524288 (order: 10, 4194304 bytes)
[116.476537] TCP established hash table entries: 2097152 (order: 13, 50331648 bytes)
[116.519246] TCP bind hash table entries: 65536 (order: 8, 1048576 bytes)
[116.526767] TCP: Hash tables configured (established 2097152 bind 65536)
[116.533653] TCP reno registered
[116.546520] checking if image is initramfs...it isn't (no cpio magic); looks like an initrd
[118.007208] Freeing initrd memory: 41021k freed
[118.037873] VFS: Disk quotas dquot_6.5.1
[118.042028] Dquot–cache hash table entries: 512 (order 0, 4096 bytes)
[118.049125] io scheduler noop registered
[118.053215] io scheduler deadline registered (default)
[118.058587] io scheduler cfq registered
[118.062599] PCI: MSI quirk detected. PCI_BUS_FLAGS_NO_MSI set for 0000:00:0a.0 subordinate bus.
[118.071598] AMD8131 rev 12 detected, disabling PCI–X MMRBC
[118.077277] PCI: MSI quirk detected. PCI_BUS_FLAGS_NO_MSI set for 0000:00:0b.0 subordinate bus.
[118.086269] AMD8131 rev 12 detected, disabling PCI–X MMRBC
[118.092882] Boot video device is 0000:03:06.0
[118.119406] hpet_acpi_add: no address or irqs in _CRS
[118.124703] AMD768 RNG detected
[118.128499] Linux apgart interface v0.102
[118.132759] Serial: 8250/16550 driver \$Revision: 1.90 \$ 4 ports, IRQ sharing enabled
[118.140906] serial8250: ttyS0 at I/O 0x3f8 (irq = 4) is a 16550A
[118.147480] serial8250: ttyS1 at I/O 0x2f8 (irq = 3) is a 16550A
[118.154102] 00:06: ttyS0 at I/O 0x3f8 (irq = 4) is a 16550A
[118.160032] 00:07: ttyS1 at I/O 0x2f8 (irq = 3) is a 16550A
[118.166014] Floppy drive(s): fd0 is 1.44M

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[118.191199] FDC 0 is a post-1991 82077
[118.196725] RAMDISK driver initialized: 16 RAM disks of 110592K size 1024 blocksize
[118.204932] loop: module loaded
[118.208235] Intel(R) PRO/1000 Network Driver - version 7.3.20-k2
[118.214417] Copyright (c) 1999-2006 Intel Corporation.
[118.219799] e100: Intel(R) PRO/100 Network Driver, 3.5.23-k4-NAPI
[118.226078] e100: Copyright(c) 1999-2006 Intel Corporation
[118.231832] tg3.c:v3.81 (September 5, 2007)
[118.236202] ACPI: PCI Interrupt 0000:02:09.0[A] -> GSI 24 (level, low) -> IRQ 24
[118.270915] eth0: Tigon3 [partno(BCM95704A7) rev 2003 PHY(5704)] (PCIX:100MHz:64-bit)
10/100/1000Base-T Ethernet 00:e0:81:2b:91:4a
[118.283405] eth0: RXcsums[1] LinkChgREG[0] MIirq[0] ASF[0] WireSpeed[1] TSOcap[1]
[118.291152] eth0: dma_rwctrl[769f4000] dma_mask[64-bit]
[118.296570] ACPI: PCI Interrupt 0000:02:09.1[B] -> GSI 25 (level, low) -> IRQ 25
[118.337338] eth1: Tigon3 [partno(BCM95704A7) rev 2003 PHY(5704)] (PCIX:100MHz:64-bit)
10/100/1000Base-T Ethernet 00:e0:81:2b:91:4b
[118.349827] eth1: RXcsums[1] LinkChgREG[0] MIirq[0] ASF[0] WireSpeed[1] TSOcap[1]
[118.357567] eth1: dma_rwctrl[769f4000] dma_mask[64-bit]
[118.363091] forcedeth.c: Reverse Engineered nForce ethernet driver. Version 0.60.
[118.371119] sata_sil 0000:03:05.0: version 2.3
[118.371171] ACPI: PCI Interrupt 0000:03:05.0[A] -> GSI 19 (level, low) -> IRQ 19
[118.379382] scsi0 : sata_sil
[118.382496] scsi1 : sata_sil
[118.385586] scsi2 : sata_sil
[118.388685] scsi3 : sata_sil
[118.391789] ata1: SATA max UDMA/100 cmd 0xffffc20004d4ac80 ctl 0xffffc20004d4ac8a bmdma
0xffffc20004d4ac00 irq 19
[118.402344] ata2: SATA max UDMA/100 cmd 0xffffc20004d4acc0 ctl 0xffffc20004d4acca bmdma
0xffffc20004d4ac08 irq 19
[118.412886] ata3: SATA max UDMA/100 cmd 0xffffc20004d4ae80 ctl 0xffffc20004d4ae8a bmdma
0xffffc20004d4ae00 irq 19
[118.423428] ata4: SATA max UDMA/100 cmd 0xffffc20004d4aec0 ctl 0xffffc20004d4aece bmdma
0xffffc20004d4ae08 irq 19
[118.746253] ata1: SATA link down (SStatus 0 SControl 310)
[119.065650] ata2: SATA link down (SStatus 0 SControl 310)
[119.540775] ata3: SATA link up 1.5 Gbps (SStatus 113 SControl 310)
[119.715051] ata3.00: ATA-7: ST3250820AS, 3.AAC, max UDMA/133
[119.720896] ata3.00: 488397168 sectors, multi 16: LBA48 NCQ (depth 0/32)
[119.789857] ata3.00: configured for UDMA/100
[120.107695] ata4: SATA link down (SStatus 0 SControl 310)
[120.113359] scsi 2:0:0:0: Direct-Access ATA ST3250820AS 3.AA PQ: 0 ANSI: 5
[120.121823] sd 2:0:0:0: [sda] 488397168 512-byte hardware sectors (250059 MB)
[120.129153] sd 2:0:0:0: [sda] Write Protect is off
[120.134117] sd 2:0:0:0: [sda] Mode Sense: 00 3a 00 00
[120.134131] sd 2:0:0:0: [sda] Write cache: enabled, read cache: enabled, doesn't support DPO or FUA
[120.143487] sd 2:0:0:0: [sda] 488397168 512-byte hardware sectors (250059 MB)
[120.150816] sd 2:0:0:0: [sda] Write Protect is off
[120.155772] sd 2:0:0:0: [sda] Mode Sense: 00 3a 00 00
[120.155785] sd 2:0:0:0: [sda] Write cache: enabled, read cache: enabled, doesn't support DPO or FUA
[120.165105] sda: sda1 sda2 sda3
[120.188930] sd 2:0:0:0: [sda] Attached SCSI disk

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[120.193959] PNP: PS/2 Controller [PNP0303:PS2K] at 0x60,0x64 irq 1
[120.200324] PNP: PS/2 appears to have AUX port disabled, if this is incorrect please boot with i8042.nopnp
[120.210587] serio: i8042 KBD port at 0x60,0x64 irq 1
[120.215763] mice: PS/2 mouse device common for all mice
[120.221239] device-mapper: ioctl: 4.11.0-ioclt (2006-10-12) initialised: dm-devel@xxxxxxxxxx
[120.230097] oprofile: using NMI interrupt.
[120.234372] TCP cubic registered
[120.237762] NET: Registered protocol family 1
[120.242285] NET: Registered protocol family 17
[120.275750] input: AT Translated Set 2 keyboard as /class/input/input0
[120.351314] RAMDISK: Compressed image found at block 0
[122.022214] VFS: Mounted root (ext2 filesystem) readonly.
[122.027810] Freeing unused kernel memory: 320k freed
[122.411934] ACPI: Processor [CPU1] (supports 8 throttling states)
[122.418811] ACPI Exception (processor_core-0818): AE_NOT_FOUND, Processor Device is not present
[20070126]
[122.429596] ACPI Exception (processor_core-0818): AE_NOT_FOUND, Processor Device is not present
[20070126]
[122.512126] EDAC MC: Ver: 2.1.0 Oct 15 2007
[122.535388] pata_amd 0000:00:07.1: version 0.3.9
[122.551700] scsi4 : pata_amd
[122.556552] usbcore: registered new interface driver usbfs
[122.557169] scsi5 : pata_amd
[122.557220] ata5: PATA max UDMA/133 cmd 0x00000000000101f0 ctl 0x00000000000103f6 bmdma
0x000000000001ffa0 irq 14
[122.557223] ata6: PATA max UDMA/133 cmd 0x0000000000010170 ctl 0x0000000000010376 bmdma
0x000000000001ffa8 irq 15
[122.587473] usbcore: registered new interface driver hub
[122.601842] usbcore: registered new device driver usb
[122.617149] ohci_hcd: 2006 August 04 USB 1.1 'Open' Host Controller (OHCI) Driver
[122.870859] ata5.00: ATAPI: QSI CD-ROM SCR-242, CXAC, max UDMA/33
[123.034541] ata5.00: configured for UDMA/33
[123.209599] scsi 4:0:0:0: CD-ROM QSI CD-ROM SCR-242 CXAC PQ: 0 ANSI: 5
[123.219087] EDAC MC0: Giving out device to 'k8_edac' 'Athlon64/Opteron': DEV 0000:00:18.2
[123.228109] EDAC PCI0: Giving out device to module 'k8_edac' controller 'EDAC PCI controller': DEV
'0000:00:18.2' (POLLED)
[123.240297] EDAC MC1: Giving out device to 'k8_edac' 'Athlon64/Opteron': DEV 0000:00:19.2
[123.249295] ACPI: PCI Interrupt 0000:03:00.0[D] -> GSI 19 (level, low) -> IRQ 19
[123.257796] ohci_hcd 0000:03:00.0: OHCI Host Controller
[123.265955] ohci_hcd 0000:03:00.0: new USB bus registered, assigned bus number 1
[123.274154] ohci_hcd 0000:03:00.0: irq 19, io mem 0xfeafc000
[123.339774] usb usb1: configuration #1 chosen from 1 choice
[123.345952] hub 1-0:1.0: USB hub found
[123.350140] hub 1-0:1.0: 3 ports detected
[123.461475] ACPI: PCI Interrupt 0000:03:00.1[D] -> GSI 19 (level, low) -> IRQ 19
[123.469952] ohci_hcd 0000:03:00.1: OHCI Host Controller
[123.475794] ohci_hcd 0000:03:00.1: new USB bus registered, assigned bus number 2
[123.483993] ohci_hcd 0000:03:00.1: irq 19, io mem 0xfeafd000
[123.551350] usb usb2: configuration #1 chosen from 1 choice
[123.557509] hub 2-0:1.0: USB hub found
[123.561690] hub 2-0:1.0: 3 ports detected

Re: [PATCH 3/3] faster workaround

[123.687627] sd 2:0:0:0: Attached scsi generic sg0 type 0
[123.693485] scsi 4:0:0:0: Attached scsi generic sg1 type 5
[123.932540] usb 2-2: new full speed USB device using ohci_hcd and address 2
[123.998960] Real Time Clock Driver v1.12ac
[124.113162] usb 2-2: configuration #1 chosen from 1 choice
[124.128282] usbcore: registered new interface driver usbserial
[124.134695] drivers/usb/serial/usb-serial.c: USB Serial support registered for generic
[124.143496] usbcore: registered new interface driver usbserial_generic
[124.150640] drivers/usb/serial/usb-serial.c: USB Serial Driver core
[124.158844] w83627hf: Found W83627HF chip at 0x290
[124.167540] drivers/usb/serial/usb-serial.c: USB Serial support registered for pl2303
[124.176218] pl2303 2-2:1.0: pl2303 converter detected
[124.182958] usb 2-2: pl2303 converter now attached to ttyUSB0
[124.190363] usbcore: registered new interface driver pl2303
[124.196580] drivers/usb/serial/pl2303.c: Prolific PL2303 USB to serial adaptor driver
[127.525919] tg3: eth0: Link is up at 1000 Mbps, full duplex.
[127.531978] tg3: eth0: Flow control is off for TX and off for RX.
[136.766030] sd 2:0:0:0: [sda] 488397168 512-byte hardware sectors (250059 MB)
[136.773917] sd 2:0:0:0: [sda] Write Protect is off
[136.779229] sd 2:0:0:0: [sda] Mode Sense: 00 3a 00 00
[136.779247] sd 2:0:0:0: [sda] Write cache: enabled, read cache: enabled, doesn't support DPO or FUA
[136.789232] sda: sda1 sda2 sda3
[139.812179] sd 2:0:0:0: [sda] 488397168 512-byte hardware sectors (250059 MB)
[139.820030] sd 2:0:0:0: [sda] Write Protect is off
[139.825347] sd 2:0:0:0: [sda] Mode Sense: 00 3a 00 00
[139.825365] sd 2:0:0:0: [sda] Write cache: enabled, read cache: enabled, doesn't support DPO or FUA
[139.835312] sda: sda1 sda2 sda3
[142.861469] ReiserFS: sda1: found reiserfs format "3.6" with standard journal
[142.870083] ReiserFS: sda1: using ordered data mode
[142.880261] ReiserFS: sda1: journal params: device sda1, size 8192, journal first block 18, max trans len 1024, max batch 900, max commit age 30, max trans age 30
[142.896826] ReiserFS: sda1: checking transaction log (sda1)
[142.919220] ReiserFS: sda1: Using r5 hash to sort names
[143.330225] ReiserFS: sda1: found reiserfs format "3.6" with standard journal
[143.337841] ReiserFS: sda1: using ordered data mode
[143.343314] ReiserFS: sda1: journal params: device sda1, size 8192, journal first block 18, max trans len 1024, max batch 900, max commit age 30, max trans age 30
[143.359638] ReiserFS: sda1: checking transaction log (sda1)
[143.376333] ReiserFS: sda1: Using r5 hash to sort names
[143.396521] SGI XFS with ACLs, security attributes, large block/inode numbers, no debug enabled
[143.407882] SGI XFS Quota Management subsystem
[143.461049] XFS mounting filesystem sda3
[143.562173] Ending clean XFS mount for filesystem: sda3
[147.325573] fuse init (API version 7.8)