

Linux v2.6.0-test2

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2003-07/1863.html>

From: Linus Torvalds (torvalds_at_osdl.org)

Date: 07/27/03

Date: Sun, 27 Jul 2003 10:08:40 -0700 (PDT)
To: Kernel Mailing List <linux-kernel@vger.kernel.org>

Lots of small updates and fixes all over the map (diffstat shows a flat profile, except for the DVB merge, the new wl3501 driver, and the new sound drivers from Alan).

An example: Alexander Atanasov fixed an UP APIC handling bug, which in turn explained the IDE problems with irq disabling, and allowed IDE to be fixed up. Yah!

Alan started doing forward-porting of 2.4.x driver updates, and Andrew is merging the fixes from his tree. And janitorial cleanups.

Various architectures are congealing: sparc64, ia64, alpha, m68k, ppc32, v850 and s390 all had updates.

Network (and network driver) fixes, ISDN slowly getting there, ACPI, DVB and USB updates.

And a number of people worked on (and fixed) SCSI queue handling issues with the anticipatory scheduler.

Linus

Summary of changes from v2.6.0-test1 to v2.6.0-test2
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Adrian Bunk:

- o remove all #include <blk.h>'s

Alan Cox:

- o alpha illegal->invalid
- o mtrr printk levels
- o mtrr fixes
- o fix visws pci (visws specific code)
- o another batch of "invalid" not "illegal" fixes
- o POSIX doesnt guarantee head -2, only head -n 2
- o head -n 2 for ppc64
- o updated magic number tables
- o pnp layer seems to document wrong file name
- o first cut ftape conversion
- o clean up ip2 glue (not yet ported tho)
- o move watchdogs to __module_get now it exists

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- o fix all the paths in ide Kconfig docs
 - o convert ewrk3 for new locking etc
 - o clarify AXNET kconfig as per 2.4
 - o use cpu_relax in seq8005
 - o re-enable seq8005
 - o forward port 2.4 Zoom video support
 - o make isapnp request its port properly
 - o function is long gone, kill prototype
 - o pas16 build fix
 - o fix qllogicfas build warning
 - o undefined shifts in qlal280
 - o sym53c8xxx wasnt updated to new irq code etc
 - o serial proc gives info on keycounts which can sometiems be abused
 - o xjack pcmcia needs .. pcmcia
 - o restore console log level when jbd raises it
 - o fix jffs2 build
 - o fix a doc error and misleading printk
 - o remove a now false comment
 - o fix a copy_user return
 - o fix failed sethostname corrupting the data
 - o correct author of ad1980 plugin
 - o fix make rpm versioning
 - o fix ver_linux for 2.6
 - o fix unused symbol in ad1889
 - o btaudio uses memset so should be strncpy
 - o illegal->invalid for dmasound
 - o emul0k further updates/bug fixes
 - o Add HAL2 driver
 - o Add Harmony OSS driver
 - o Kahlua audio driver
 - o Makefile bits for audio resync
- Alan Stern:
- o USB: More unusual_devs.h entry updates
 - o USB: I/O buffering for sddr09
 - o USB: Make sddr55 use proper I/O buffering
 - o USB: Handle over current inputs on all Intel controllers
- Alberto Bertogli:
- o [IPVS]: Fix typo in Kconfig file
- Alexander Atanasov:
- o Fix irq handling of IO-APIC edge IRQs on UP
- Alexey Kuznetsov:
- o [TCP/IPV6]: Another anycast check
 - o [IPV6]: Fix anycast usage
 - o [NET]: Make IFLA_STATS arch independent
- Andi Kleen:
- o [NET]: Turn softnet_data into per-cpu data
- Andrew Morton:
- o aha152X oops fixes
 - o Allow LBD on architectures that support it
 - o misc fixes
 - o parport_pc.c compile warning
 - o ext3 extended attribute fixes
 - o Ext3 xattr credits fix for quotas
 - o ioctl(BLKBSZSET) fix and cleanup
 - o pass regs into dump_fpu() in elf core dump
 - o is_devfsd_or_child() deadlock fix
 - o remove task_cache entirely
 - o use kmalloc for ia32 stacks
 - o fix removable partitioned media with devfs
 - o fix return of compat_sys_sched_getaffinity
 - o Fix two bugs with process limits (RLIMIT_NPROC)
 - o unline most of put_namespace()

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- o CONFIG_BLK_DEV_CRYPTOLOOP needs CONFIG_CRYPT
 - o slab: print stuff when the wrong cache is used
 - o settimeofday() fixes
 - o visws: fix PCI breakage
 - o vesafb fix
 - o watchdog: i810-tco support
 - o CLONE_STOPPED
 - o dm: 'wait for event' race
 - o dm: v4 ioctl interface
 - o fix bootmem allocator on machines with holes in
 - o Update Documentation/magic-numbers.txt
 - o fix as-iosched do_div()
 - o "Fix" AS i/o hang with aacraid driver
- Andy Grover:
- o ACPI: make it so acpism=force works (reported by Andrew Morton)
 - o ACPI: Correctly handle NMI watchdog during long stalls (Andrew Morton)
 - o ACPI: proc function return value cleanups (Andi Kleen)
 - o ACPI: Fixes from FreeBSD and NetBSD. (Frank van der Linden, Thomas Klausner, Nate Lawson)
 - o ACPI: Parse SSDTs in order discovered, as opposed to reverse order (Hrvoje Habjanic)
 - o ACPI: Dynamically allocate SDT list (suggested by Andi Kleen)
 - o ACPI: Update version, and other trivialities
- Angelo Dell'Aera:
- o sk_mca
- Anton Blanchard:
- o sym2 error handler sleeps with irqs off
- Arnaldo Carvalho de Melo:
- o wl3501: new wireless driver for Planet WL 3501 802.11 PCMCIA card
- Bart De Schuymer:
- o [BRIDGE/EBTABLES]: Add stp packet matching
 - o [EBTABLES]: Copy skb when shared
 - o [EBTABLES]: Make it work on 32-on-64 platforms
- Bartlomiej Zolnierkiewicz:
- o fix IDE irq disable logic
 - o Fix dma timeout bugs
 - o ide: fix PCI modules oops
- Ben Collins:
- o [SPARC64]: Fix OBP 4.6+ PCI probing, use pcic_present() consistently
 - o [SPARC64]: Clear all IRQs at probe time in PCI sabre driver
 - o [SPARC64]: In pci_common.c:find_device_prom_node() recognize PCI_DEVICE_ID_SUN_TOMATILLO
 - o [SPARC64]: In clock_probe(), treat m5819p just like m5819
 - o Update IEEE1394 (r1014)
- Bernardo Innocenti:
- o Make I/O schedulers optional
- Bob Miller:
- o ISDN: Remove un-needed MOD___USE_COUNT from init fuctions
- Chas Williams:
- o [ATM]: Cleanup pppoatm_ioctl_hook
 - o [ATM]: Cleanup br2684_ioctl_hook
 - o [ATM]: Use sk_state_change() and eliminate vcc->callback()
 - o [ATM]: Eliminate vcc->sleep in favor of sk->sk_sleep
 - o [ATM]: Use sk_data_ready and sk_change_state instead of wake_up
 - o [ATM]: Replace vcc->reply with sk->sk_err; implement sk_write_space
 - o [ATM]: Make sigd_sleep conditional with WAIT_FOR_DEMON
 - o [ATM]: Return ENODEV if !dev
 - o [ATM]: If !IFF_UP drop the frames
 - o [ATM]: Timer cleanup in lec.c
- Chen Yang:
- o unresolved symbol with moduled intermezzo
- Christoph Hellwig:

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- o consistant names for device model related struct members
- o rework shost/sdev attribute handling
- o pull scsi_scan_host out of scsi_add_host
- o Use before initialisation in devfs_mk_cdev()
- o [ARCNET]: Fix module refcounting

Daniel Ritz:

- o fix ne2k-pci memleak

David Brownell:

- o USB: ohci minor tweaks
- o USB: usb net drivers SET_NETDEV_DEV
- o USB: ethernet gadget learns about pxa2xx udc
- o USB: usbttest, autoconfigure from descriptors
- o USB: gadget zero learns about pxa2xx udc
- o USB: ethernet gadget, another pxa update
- o USB: better locking in hcd_endpoint_disable()

David Glance:

- o USB: Adding DSS-20 SyncStation to ftdi_sio

David Mosberger:

- o ia64: Move local per-CPU area to the last page of the address space
- o ia64: Performance-tune itc_get_offset() a bit
- o ia64: Force assembly name of init_task_mem so the aliasing directive works with all compilers.
- o ia64: Set the PRT entry's irq member in iosapic_parse_prt()
- o ia64: Small fixes for 2.6.0-test1 merge
- o ia64: Change per-CPU implementation so that __get_cpu_var() returns the canonical address (l-value). To get the virtually mapped alias (which is more efficient), use __ia64_per_cpu_var(). The latter is safe only if the address of the l-value is never passed to another CPU (i.e., not stored in any global place).
- o Fix patch breakage
- o ia64: Patch by Arun Sharma: Make execve()ing of ia32 tasks work again
- o ia64: Put per-CPU data into .data.percpu section both for UP and MP
- o ia64: If the compiler supports it, use attribute (model (small)) to tell the compiler that per-CPU variables can be addressed with "addl".
- o ia64: Drop ".bias" in spinlocks as it caused more harm than good. Pointed
- o ia64: Fix atomic64 interface to use __s64 instead of int where appropriate
- o ia64: Take advantage of <asm/sections.h>
- o ia64: Turn BIO-level virtual merging off again, so we can turn I/O MMU bypassing on again, which is more beneficial, performance-wise.
- o ia64: Fix check for "model(small)" attribute

David S. Miller:

- o [TCP/IPV6]: Check for anycast where we check for multicast
- o [SPARC64]: Fix pbus->sysdata interpretation in pci_domain_nr()
- o [SPARC64]: Fix assumptions about data section ordering and objects ending up in .data vs .bss
- o [SPARC64]: Do not break out of PCI controller probing loop too early
- o [TCP/IPV6]: Revert previous anycast changes
- o [SERIAL]: rev in sunsu.c uart port info needs to be a short
- o [SPARC64]: Update defconfig
- o [SPARC64]: Add Ultra-IIIi/Jalapeno support
- o [SPARC64]: Add JIO/Tomatillo PCI controller support
- o [SPARC64]: Now the brlocks are gone, the udelay garbage in cpu_relax() can go
- o [SPARC64]: Read processor number correctly on Ultra-IIIi/Jalapeno
- o [SPARC]: Do not include asm-generic/dma-mapping.h if !CONFIG_PCI
- o [SPARC64]: Remove PCI ifdef from lib/PeeCeeI.c
- o [SPARC64]: Handle !CONFIG_PCI properly in sparc i8042 support

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- o [SPARC64]: Always export I/O string ops
 - o [SPARC64]: Make sparc speaker driver depend upon PCI
 - o [SPARC64]: Make BBC I2C driver require PCI
 - o [SPARC64]: If SPARC64, make parport_pc need PCI
 - o [SPARC64]: Remove extraneous copy of atomic_dec_and_lock in debuglocks.c
 - o [SPARC]: Fix compile warnings in flash driver when !PCI
 - o [SPARC64]: In ISA support, is interrupt-map exists use it
 - o [SPARC64]: Finalize TOMATILLO/JIO support, help from bcollins@debian.org
 - o [TG3]: Support OBP firmware mac-addresses on sparc64
 - o [SPARC64]: Remove unused local var in isa_dev_get_resource
 - o [SPARC64]: Use __s64 for atomic64_t implementation
 - o [NET]: Print statistics using unsigned format in sysfs
 - o [SPARC64]: Do not renumber PCI buses anymore
 - o [SPARC64]: Use domain in naming PCI buses
 - o [SPARC64]: Sanitize PCI controller handling to support Tomatillo better
 - o [SPARC64]: Pass correct args to data_access_exception() in unaligned.c
 - o [SPARC]: __builtin_trap() is bug-free in 3.3.1 and later
 - o [TG3]: Fix typo in pci_ids.h change
- Frank Cusack:
- o rpcsec_gss compatibility
 - o Fix rpc_setbufsize() usage
 - o Allow unattended nfs3/krb5 mounts
- François Romieu:
- o Fix error path in kahlua driver
 - o Unchecked copy_to_user disturb harmony
 - o add new sound drivers to Makefile/Kconfig
 - o uninitialized spinlock in drivers/net/sk_mca.c
- Ganesh Varadarajan:
- o USB: more ids for ipaq
- Geert Uytterhoeven:
- o Amiga serial warning
 - o m68k flush_icache_page()
 - o Ns558 gameport warning
 - o M68k floppy warnings
 - o M68k module
 - o wd33c93 compile fix
 - o Kill zorro_check_device
 - o M68k irq_cpustat_t
 - o M68k ret_from_fork
 - o Atari ACSI SLM Laser Printer
 - o Valkyriefb link fix
 - o M68k wd33c93 locking
 - o M68k #include <linux/config.h>
 - o Atari pamsnet
 - o Mac/m68k ADB HID
 - o Atari ST-RAM
 - o dmasound re-resurrection
 - o Mac/m68k sonic updates
 - o M68k inline
 - o My contact info
 - o Mac8390 typo
 - o Apollo compile fixes
 - o Sun-3 pte_file
 - o M68k mm cleanup
 - o Atari ksyms
 - o lmc_proto.c includes <asm/smp.h>
 - o Sun-3 SCSI warning
 - o M68k show_stack() portability and cleanup patch
 - o m68k dma-mapping
 - o m68k do_fork()

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- o M68k IPV6
- o Macfb compile fixes
- o NCR53C9x unused SCp.have_data_in
- o m68k page
- o M68k IRQ API updates
- o m68k FPU emulator
- o MIPS DEC/SGI Linux logo
- o dmasound SOUND_PCM_READ_RATE
- o m68k irqs_disabled()
- o M68k RTC updates
- o m68k cache
- o Rename ariadne2 to zorro8390
- o Update valkyriefb driver

Greg Kroah-Hartman:

- o PCI: fix up error for when CONFIG_PCI=n and scsi.h is included
- o USB: fixed up pci slot_name accesses in usb code
- o USB: fixed up pci slot_name accesses in usb gadget code
- o PCI: remove usages of pci slot_name from the pci core code
- o PCI: remove usages of pci slot_name from acpi pci hotplug driver
- o PCI: fix problem with pci remove functions not being built if CONFIG_HOTPLUG was not set
- o USB: remove some warnings when building the documentation
- o USB: flush all in-flight urbs _before_ disconnect() is called
- o USB: fix up bluetty driver's tty and devfs names
- o USB: fix up cdc-acm driver's tty and devfs names
- o USB: fix a nasty use-after-free bug in the usb-serial core
- o USB: fix memory leak in the visor driver

Harald Welte:

- o [NETFILTER]: Fix ip_nat_ftp in 2.6.0-test1
- o [NETFILTER]: Re-sync ipt_REJECT with 2.4.x
- o [NETFILTER]: Fix a bug in the IRC DCC command parser of ip_contrack_irc
- o [NETFILTER]: Fix typo in ipt_MIRROR.c

Henning Meier-Geinitz:

- o USB: fix open/probe race in scanner driver
- o USB: New vendor/product ids for scanner driver
- o USB: unlink interrupt URBs in scanner driver

Herbert Xu:

- o [IPV6]: Fix device leaks in privacy extension code
- o [IPSEC]: Make reqids 32-bits

Hideaki Yoshifuji:

- o [IPV6]: Get reference to neigh/dev when building ndisc DST

Hirofumi Ogawa:

- o more VFAT_IOCTL_READDIR_BOTH/_SHORT ioctl fixes (1/11)
- o fat_cluster_flush() fixes (2/11)
- o vfat dentry handling fix (3/11)
- o fat_access cleanup (4/11)
- o fat_access cleanup (5/11)
- o fat_access cleanup (6/11)
- o adds fat_get_cluster (7/11)
- o use new fat_get_cluster (8/11)
- o more use new fat_get_cluster (9/11)
- o signed char cleanup/fixes (10/11)
- o >cluster_size cleanup (11/11)

James Bottomley:

- o Fix scsi_lib MODE SENSE(6) bug
- o Fix up syntax error in aha1740
- o Put the requeue hack back into as-iosched.c
- o make AS work nicely with SCSI

Jamie Lokier:

- o [TCP]: Fix SOCK_DONE setting when TCP receives FIN (bug introduced by ChangeSet 1.889.291.25)

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Jan Zuchhold:

- o [TG3]: Recognize Altima AC1001 device IDs

Jasper Spaans:

- o Fix up unattended nfs3/krb5 mounts

Javier Achirica:

- o [wireless airo] Simplify dynamic buffer code in Cisco extensions
- o [wireless airo] Update structs with the new fields in latest firmwares
- o [wireless airo] Make locking "per thread" so it's fully preemptive
- o [wireless airo] Don't sleep when the stats are requested
- o [wireless airo] Don't call MIC functions if the card doesn't support them
- o [wireless airo] Fix small endianness bug
- o [wireless airo] Returns proper status in case of transmission error
- o [wireless airo] Checks for small packets before transmitting them
- o [wireless airo] Return channel in infrastructure mode
- o [wireless airo] Update to wireless extensions 15 (add monitor mode)
- o [wireless airo] Update to wireless extensions 16 (new spy API)

Jeff Garzik:

- o scsi_debug mode sense bug
- o [bonding] sync ifenslave with 2.4 (pulls in several bug fixes)
- o [wireless airo] fix 2.4-isms that break build

Jens Axboe:

- o Consolidate SCSI requeueing and add blk elevator hook
- o ide tcq enable
- o mark James as SCSI maintainer
- o read-ahead and failfast
- o Fix block layer bug handling of partial bvec completion

Jesse Barnes:

- o ia64: fix GENERIC compile

Jim Howard:

- o IDE driver VIA support (obscure bug)

Jon Grimm:

- o [SCTP] Move rwnd accounting and I/O redrive off of the skb destructor
- o [SCTP] Support v4-mapped-v6 addresses (Ardelle Fan)
- o [SCTP] Fix v6 linklocal address send not getting routed to correct i/f

Julian Anastasov:

- o [IPV4/IPV6]: Fix use-after-free bugs in tunneling drivers

Kai Germaschewski:

- o ISDN: Fix i4l subsystem crash
- o ISDN: Fix avm_pci driver for irqreturn_t changes
- o ISDN: FsmNew() can't be __init
- o ISDN: Fix mem leak in ST5481 driver
- o ISDN/HiSax: Move registering of a card out of line
- o ISDN/HiSax: Move some init code out of line
- o ISDN/HiSax: Fix up dynamic registration
- o ISDN: Export "kstat"

Kambo Lohan:

- o [NET]: Fix hang/memleak in pktgen

Krishna Kumar:

- o [IPV6]: Reporting of prefix routes via rtnetlink

Krzysztof Halasa:

- o HDLC update

Kunihiro Ishiguro:

- o [IPSEC/IPV6]: Add missing email address to my copyrights

Linus Torvalds:

- o Revert PCI bus number size increase - it isn't even needed
- o Add "clock_t_to_jiffies()" conversion function with some rather minimal overflow protection.
- o Fix vfat shortname character logic that had wrong signedness tests.

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- o Fix compile problem with suspend due to a missed incorrect re-declaration of the internal linker symbols.
 - o Revert toshiba_acpi strlcpy'fication as per John Belmonte
 - o When zapping the thread list due to an execve(), make sure to also detach the threads.
- Maciej Soltysiak:
- o [NETFILTER]: Make REJECT target compliant with RFC 1812
- Madarasz Gergely:
- o [netdrvr wan] update comx maintainer, by request
- Maneesh Soni:
- o vfsmount_lock-fix
- Marc Zyngier:
- o aha1740 update
- Martin Schwidefsky:
- o s390: arch update
 - o s390: irq stats
 - o s390: dasd driver
 - o s390: common i/o layer
 - o s390: qeth network driver
 - o s390: siginfo_t for s390x
- Mathieu Chouquet-Stringer:
- o [SPARC64]: Fix floppy irq handler return types
- Matthew Dharm:
- o USB: convert ISD200 and Jumpshot to DMA-safe buffer
 - o USB: remove now-dead mode-translation code
- Matthew Wilcox:
- o ia64: Add some devinits to pci.c
 - o ia64: use has_8259 in acpi_register_irq()
- Michael Hunold:
- o Update the saa7146 driver core
 - o Various small fixes in dvb-core
 - o Major dvb net code cleanup, many fixes
 - o Update dvb frontend drivers
 - o Add Zarlink MT312 DVB-T frontend driver
 - o Update the DVB budget drivers
 - o Update the DVB av7110 driver
 - o More saa7146 driver core updates
 - o Various kconfig and Makefile updates
 - o Add a driver for the Technisat Skystar2 DVB card
 - o Add two drivers for Hexium frame grabber cards
 - o More updates for the dvb core
 - o Add TDA14500x DVB-T frontend driver
 - o Update various other frontend drivers
 - o Update the av7110 DVB driver
 - o Add two drivers for USB based DVB-T adapters
 - o Update Technisat Skystar2 DVB driver
- Mikael Pettersson:
- o make clean should remove usr/initramfs_data.S
- Miles Bader:
- o Rename `nb85e' to `v850e' on v850
 - o Refactor v850 UART driver
 - o Cleanup v850 cache-flushing code a bit
 - o Add another layer of indirection for irq numbering with v850 `gbus' irqs
 - o Add v850 RTE-V850E/ME2-CB port
 - o Add v850 `sim85e2s' port, and cleanup v850e2 code
 - o Update v850 config/makefile
 - o v850 miscellanea
 - o Rename config option CONFIG_V850E_MA1_HIGHRES_TIMER on v850
 - o Update AS85EP1 port on v850
 - o On v850, use a long jump to start_kernel
 - o Remove <asm-v850/setup.h>

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- o Update v850 README file
- Mitchell Blank Jr.:
- o [SPARC64]: Make HAVE_DEC_LOCK depend upon DEBUG_SPINLOCK
- Neil Brown:
- o Only set ->sk_reuse for tcp sockets, not udp
- Norbert Kiesel:
- o PCI: fixup for compile error in pci/legacy.c
- Oliver Neukum:
- o USB: fix race between open() and probe()
 - o USB: fix layering violation in usblp
 - o USB: fix irq urb in hpusbscsi
 - o USB: fix race between probe and open in skeleton
 - o USB: usblcd: race between open and read/write
 - o USB: fix race between probe and open in dabusb
- Patrick Mansfield:
- o fix scsi_mode_data length result
- Patrick McHardy:
- o [NET]: Fix no_cong_thresh sysctl
 - o [NET]: Fix signedness test in socket filter code
 - o [NETFILTER]: Fix various problems with MIRROR target
 - o [NETFILTER]: Fix issues with REJECT and MIRROR targets wrt. policy routing
 - o [NETFILTER]: Fix locking of ipt_helper
 - o [NETFILTER]: Drop reference to conntrack after removing confirmed expectation
- Paul Mackerras:
- o PPC32: use kstat_this_cpu in arch/ppc/kernel/irq.c
 - o PPC32: Add some more system calls - tgkill, utimes, [f]statfs64
 - o PPC32: Add SEMTIMEDOP. Patch from Anton Blanchard
 - o PPC32: Eliminate duplicate variable declarations in arch/ppc/kernel/time.c
 - o PPC32: Fix compilation of powermac CPU frequency switching support
 - o PPC32: Remove unused fields from irq_cpustat_t
 - o PPC32: PCI mapping fixes for non-cache-coherent PPC machines
 - o PPC32: Make FP exceptions enabled by default
 - o PPC32: Change mm_segment_t definitions to simplify the code
 - o PPC32: Use char[] consistently with __bss_start, _end, etc
 - o PPC32: Add asm-ppc/local.h
 - o PPC32: Fix compilation of arch/ppc/mm/mem_pieces.c
- Paul Mundt:
- o pvr2fb update
 - o PCMCIA: Update hd64465 driver
 - o shwdt update
- Pekka Pietikäinen:
- o [netdrv b44] tons of fixes. should work now
- Peter Chubb:
- o ia64: simeth driver fix
- Peter Osterlund:
- o Incorrect timeout in CDROM_SEND_PACKET ioctl
 - o Software suspend and RTL 8139too in 2.6.0-test1
- Randy Dunlap:
- o syncppp: incomplete function prototype
 - o reduce stack usage in wanrouter
 - o unchecked return code of copy_to_user in read_profile
 - o busmouse: fix memory leak and misc_register failure
 - o janitor: drivers/telephony/ixj
 - o janitor: audit misc_register in wdt977
 - o janitor: copy_to_user in media/video/pms
 - o janitor: copy_to_user in net/irda/vlsi_ir
 - o janitor: copy_to_user in wireless/ray_cs ioctl
 - o janitor: unchecked copy/put_user in umsdos ioctl
 - o janitor: unchecked copy_to_user in drivers/sbus/char/envctrl

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- o janitor: unchecked copy_from_user in ieee1394/amdtp
 - o janitor: unchecked copy_from_user in parisc/led.c
 - o janitor: mem leak and copy_from_user in wan/comx driver
 - o [NET]: Audit copy_from_user checks in pktgen
- Richard Henderson:
- o [ALPHA] Do ISO C90 strncpy buffer zeroing
 - o [ALPHA] Add asm/sections.h
 - o [ALPHA] Add atomic64_t
 - o [ALPHA] Finish adding asm/local.h
- Ricky Beam:
- o [SUNKBD]: Mark reset/layout as volatile
- Rob Radez:
- o [SERIAL]: Do not use serio->private to track serio open status in sun drivers
- Robert Olsson:
- o [NET]: Remove some debugging from pktgen
- Roger Luethi:
- o via-rhine 1.19-2.5: One more Rhine-I fix
- Roman Zippel:
- o gconf menuconfig fixes
 - o gconf menuconfig fix
 - o generate dependency again
 - o Optional choice values get reset
- Rudo Thomas:
- o fix emul0k1 removal oops
- Rusty Russell:
- o Allow struct members inside percpu macros
 - o Centralize Linker Symbols
 - o introduce "local_t" - cpu-local atomic variables
 - o Resolve module local_t conflict
 - o Sparc64 local_t support
 - o Make rmmmod -f taint kernel
 - o module_put_and_exit
 - o Delete init/cleanup_module prototypes in obscure places
 - o Make percpu_modcopy a macro
- Sam Ravnborg:
- o [NET]: Makefile cleanups for net/
 - o fs/ Makefile cleanup
 - o usr/: Updated .incbin support
- Scott Feldman:
- o add ethtool TSO get/set
 - o Add ethtool TSO, Rx/Tx csum, SG Get/Set support
- Scott Murray:
- o [CPCI] Fix potential deadlock on extract found by Rusty Lynch
 - o [CPCI] Kconfig tweak
 - o [CPCI] Minimal fixes to restore CPCI hotplug to working order
- Sean Neakums:
- o [IPSEC] correct 'discvoverly' typo
- Simon Evans:
- o 3c574_cs initialise spinlock
- Sridhar Samudrala:
- o [SCTP] Fix for panic on recvmsg() with MSG_PEEK flag and some ulpevent cleanup.
 - o [SCTP] Send SHUTDOWNs through the same path as the received DATA in SHUTDOWN-SENT state. (Ryan Layer)
 - o [SCTP] Update API names to be compatible with draft-ietf-tsvwg-sctpsocket-07.txt
 - o [SCTP] Reduce the size of struct sctp_ulpevent so that it fits in skb->cb even on 64-bit systems.
 - o [SCTP] Support for IPV6_V6ONLY socket option. (Ardelle.fan)
 - o [SCTP]: Update MAINTAINERS entry
- Stephen Hemminger:

Linux-Kernel: Linux v2.6.0-test2

- o [NET]: Dynamic net_device for serial eql balancer
 - o mark comx obsolete, by request
 - o [NET]: remove MOD_* from LAPB
 - o [NET]: Allow LAPB to be unloaded
 - o [NET]: Eliminate MOD_* from wanrouter
 - o [BRIDGE]: Cleanup kernel messages, use C99 initializers
 - o [BRIDGE]: Fix several startup/shutdown timer races
 - o [IPV4]: Fix build with multicast but not procfs enabled
- Steve French:
- o Fix inverted kmalloc parm ordering (noticed by Zwane) that caused oops on mounts of long server names (reported on bugzilla). Fix multiuser mount option
- Steven Whitehouse:
- o [DECNET]: Fix missing module refs in DECnet
- Thorsten Knabe:
- o sound/oss/ad1816.c update
- Ville Herva:
- o NMI watchdog documentation
- Wensong Zhang:
- o [IPV4]: Add the defense timer for IPVS
 - o [IPV4]: Remove the unnecessary del_timer_sync call in IPVS connection expire
 - o [IPV4]: Do not use proto for route output in IPVS
 - o [IPV4/IPVS]: Deactivate the timer in connection expire if it is activated by other users

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