

Linux 2.6.11-rc3

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2005-02/0682.html>

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Date: 02/03/05

Date: Wed, 2 Feb 2005 18:35:39 -0800 (PST)
To: Kernel Mailing List <linux-kernel@vger.kernel.org>

This has a number of architecture updates (mips, arm, ppc, x86-64, ia64), and updates ACPI, DRI, ALSA, SCSI, XFS and InfiniNand.. And a lot of small one-liners all over.

I'd really like to calm down for a final 2.6.11 now, so please note anything really important I missed, but keep the rest pending. And give this a good testing..

Oh, and the automated bitkeeper mirroring to bkbites.net seems slightly broken right now (hasn't updated in the last 48 hours), but the tar-balls are all there, and the BK upating mechanism will hopefully be fixed soon.

(I've got a few BK trees in private places, it's only the public bkbites.net one that hasn't gotten mirrored out yet - many other BK developers will know where to find my secondary trees and can pull from them instead).

Linus

Summary of changes from v2.6.11-rc2 to v2.6.11-rc3

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<krzysztof.h1@wp.pl>:

- o [SPARC]: Fix asm constraints in muldiv.c

Adrian Bunk:

- o i386 voyager_smp.c: remove a duplicate #include
- o i386: reboot.c cleanups
- o SCSI NCR_Q720.c: make some code static
- o [NET]: Remove mandoc reference to deleted file net_init.c

Akinobu Mita:

- o oprofile: falling back on timer interrupt mode
- o ppc32: oprofile timer-mode fallback fix

Alan Stern:

- o Fix reference to deallocated memory in sd.c

Alasdair G. Kergon:

- o device-mapper: fix mirror log type module ref count
- o device-mapper: remove unused bs_bio_init()
- o device-mapper: Add presuspend hook
- o device-mapper: optionally bypass a budget

Albert Herranz:

- o ppc32: perfctl-ppc: fix duplicate mmcr0 define

Alexander Viro:

- o de2104x: Fixes breakage in getting MAC address
- o idmouse min() fix
- o openpromfs property_read() fix
- o missing include in fore200e.c
- o isp16 missing initcalls
- o wrong include in tda80xx.c
- o matrox_fb trivial compile fix for pmac
- o rme9562 big-endian compile fix (dumb typo)
- o *really* dumb typo in aacraid (cast to pointer to structure that doesn't exist ;-)
- o block2mtd 64bit bug
- o missing include in r8169
- o cs461x iomem fixes and annotations
- o 64bit fixes (printks)
- o icom iomem annotations and NULL noise removals
- o pktgen __user annotations
- o missing declaration in firmware.h
- o more missing const in bitops prototypes
- o uaccess.h annotations
- o missing export (_tlbie())
- o shpchprm_legacy.c trivial iomem annotations
- o long constants on amd64
- o misc mtd sparse fixes
- o utter weirdness in drivers/media/dvb/frontends/cx22700.c
- o av7110_hw.c __user annotation
- o amd64 compat annotations
- o sparc64 compat annotations
- o several isdn trivial iomem annotations
- o a couple of trivial sound/pci iomem annotations
- o missing () in macros (alpha pgtable.h)

Andi Kleen:

- o Add compat_ioctl to scsi host structure
- o x86_64: Fix int3 trap
- o x86-64: Fix UP build warning
- o x86: Remove unused function
- o x86_64: remove centaur mtrr support
- o x86_64: remove duplicated includes
- o x86_64: Enlarge northbridge numa scan mask

- o x86_64: Remove earlyprintk help
- o x86_64: Speed up suspend
- o x86–64: Fix missing TLB flushes in change_page_attr
- o x86–64: Fix empty nodes handling with SRAT

Andrea Arcangeli:

- o mm: adjust dirty threshold for lowmem–only mappings
- o mm: truncate SMP race fix
- o mm: oom–killer tunable
- o mm: rework lower–zone protection initialisation
- o mm: fix several oom killer bugs
- o mm: convert memdie to an atomic thread bitflag

Andreas Gruenbacher:

- o ext3/ea: no lock needed when freeing inode
- o ext3/ea: set the EXT3_FEATURE_COMPAT_EXT_ATTR for in–inode xattrs
- o ext3/ea: documentation fix
- o ext3/ea: ix i_extra_isize check
- o ext3/ea: disallow in–inode attributes for reserved inodes
- o ext3: fix ea–in–inode default ACL creation
- o ext2/ext3 ACLs: remove the number of acl entries limit
- o fs/mbcache.c: Remove an unused wait queue variable

Andrew Morton:

- o dib3000mc build fix
- o [TUN/TAP]: Add missing trans_start and last_rx setting
- o alpha: nodemask build fix
- o alpha: pgd_index() warning fix
- o 8250_pnp: 64bit warning fix
- o ext2–quota–leak–fix fix

Andrew Vasquez:

- o MAINTAINERS: add entry for qla2xxx driver

Andries E. Brouwer:

- o document atkbd.softraw
- o input: Document the atkbd.softraw module parameter

Andris Pavenis:

- o Bug in tty_io.c after changes between 2.6.9–rc1–bk1 and 2.6.9–rc1–bk2

Anton Altaparmakov:

- o NTFS: Add printk rate limiting for ntfs_warning() and ntfs_error() when compiled without debug. This avoids a possible denial of service attack. Thanks to Carl–Daniel Hailfinger from SuSE for pointing this

Anton Blanchard:

- o ppc64: limit segment tables on UP kernels
- o ppc64: allow EEH to be disabled

- o ppc64: disable some boot wrapper debug
- o ppc64: problem disabling SYSVIPC
- o ppc64: enable virtual ethernet and virtual scsi
- o Problems disabling SYSCTL
- o genhd: rename device_init
- o ppc64: mask lower bits in tlbie

Antonino Daplas:

- o radeonfb: Set accelerator id
- o vesafb: Change return error id
- o intelfb: Workaround for 830M
- o fbcon: Save blank state last
- o backlight: Fix compile error if CONFIG_FB is unset
- o matroxfb: FB_MATROX_G Kconfig changes
- o fbdev: Fix return code of edid_checksum
- o backlight: Add backlight driver for Sharp Corgi PDAs

Arjan van de Ven:

- o removing bcopy... because it's half broken

Armin Schindler:

- o Eicon driver: add missing uaccess
- o Eicon driver: vfree()
- o Eicon driver: remove unused code

Ben Dooks:

- o [ARM PATCH] 2431/1: Split arch specifics out of arch/arm/kernel/debug.S
- o [ARM PATCH] 2432/1: include/asm-arm/bitops.h – missing const from find
- o [ARM PATCH] 2433/1: debug-macro.S split – fix header filename
- o [ARM PATCH] 2438/1: S3C2410 – fix IO address calculations
- o [ARM PATCH] 2439/1: S3C2410 – serial driver parity selection
- o [ARM PATCH] 2440/1: S3C2410 – serial auto-flow-control enable

Ben LaHaise:

- o [NET]: Kill excess initializer

Benjamin Herrenschmidt:

- o ppc32: Add support for Pegasos machines
- o ppc64: Missing call to ioremap in pci_iomap()
- o ppc32: (Updated) Pegasos support
- o ppc32: pmac sleep support update
- o ppc32: Fix via IDE driver for pegasos

Bob Picco:

- o [IA64] fix declaration of __find_next_zero_bit, first arg is "const"

Brian Gerst:

- o clean up UTS_RELEASE usage

Chas Williams:

- o [ATM]: [fore200e] can't cleap in transmit routine
- o [ATM]: [he] reorder add_wait_queue() and set_current_state()
- o [ATM]: [nicstar] small cleanup for some globals
- o [ATM]: [svc] get accounting right when we remove skb
- o [ATM]: replace schedule_timeout() with msleep()

Chris Wright:

- o compat ioctl security hook fixup
- o fix audit skb leak on congested netlink socket
- o some minor cleanups for audit_log_lost() messages

Christoph Hellwig:

- o [XFS] make sure to always reclaim inodes in xfs_finish_reclaim
- o [XFS] Fix NFS inode data corruption
- o [XFS] Use generic_readlink
- o [XFS] Move support code for NFS exporting to a conditionally built file
- o [XFS] Fix compilations for parisc
- o [XFS] Update Makefile for separate export source file
- o Move extern find_exported_dentry declaration into a common header
- o [XFS] Make AIO work again – wait on iocb completion for non-AIO only
- o update mips driver Kconfig bits
- o update dec_esp with changes from mips CVS
- o cosmetic jazz_esp updates
- o osst: don't use obsolete SCSI APIs
- o kill softirq_pending()
- o pcmcia: socket->{a,c}region are unused
- o [XFS] Fix NFS exporting with modular nfsd
- o udf deadlock fix

Christoph Lameter:

- o alloc_zeroed_user_highpage() to fix the clear_user_highpage issue

Daniel Drake:

- o Configurable delay before mounting root device

Darrick Wong:

- o Fix BUG in io_destroy

Dave Airlie:

- o drm: add r300 microcode support and radeon chip flags
- o drm: move ioctls to shared file and move interface history to correct place
- o drm: fix mga ioctls
- o drm: add drm_pci interface and make i915 use it
- o drm: fix setversion in drm core model
- o drm: add support for radeon flags
- o drm: fix minor bug on X recycling with freeing io buffer
- o drm: add R200_EMIT_TCL_POINT_SPRITE_CNTL

- o drm: radeon hyperz support
- o drm: add radeon framebuffer tiling support and surface management
- o drm: update pci ids
- o drm: fix drm_sysfs lock initializer
- o drm_memory.h doesn't need to #include tlbflush.h

Dave Jiang:

- o [ARM PATCH] 2447/1: IOP3xx PCI resource setup cleanup

David Mosberger:

- o [IA64] uaccess.h: add missing __user annotation for sparse
- o [IA64] domain.c: eliminate warning when compiling CONFIG_NUMA=n
- o [IA64] sys_ia32.c: add missing __user annotation for sparse
- o [IA64] cleanup C uage of global/root-function predicates
- o [IA64] Don't forget to initialize PKStk for kernel-threads
- o [IA64] entry.S: Align rse_clear_invalid to double-bundle boundary
- o [IA64] Resched skip_rbs_switch to run 4 cycles faster on McKinley-type cores
- o [IA64] Improve ia64_leave_syscall() for McKinley-type cores
- o [IA64] Use srlz.d instead of srlz.i in ia64_leave_syscall
- o [IA64] entry.S update the copyright year & fix a comment

David S. Miller:

- o Cset exclude:
davem@nuts.davemloft.net|ChangeSet|20050120063740|10274
- o [SPARC64]: Update defconfig
- o [TG3]: Update driver version and reldate
- o [SPARC64]: Minor memmove refinements
- o [TG3]: Update driver version and reldate
- o [SPARC64]: Set STRICT_MM_TYPECHECKS and kill ctxd/iopgprot
- o [MM]: PTRS_PER_{PUD,PMD} are not necessarily compile time constants
- o [SPARC64]: Covert over to 4 level page tables
- o [TG3]: Update driver version and reldate
- o [MM]: Do not even do the runtime PTRS_PER_{PMD,PUD} checks
- o [NET]: Kill now unused local var from sock_init()
- o [SPARC64]: __atomic_{add,sub}() must sign-extend return value

David Vrabel:

- o [ARM PATCH] 2437/1: ixp4xx: cosmetic change to arch_reset()

Dmitry Torokhov:

- o Input: ACK/NAK processing rules in libps2 were too strict – while it is a good idea to discard any character other than ACK/NAK during probe it causes missing releases and keys getting "stuck" when a command issued on enabled device. The effect is easily demonstrated with the following command:
- o Input: libps2 – fix timeout handling in ps2_command, switch to using wait_event_timeout instead of wait_event_interruptible_timeout now that first form is available.

Domen Puncer:

- o delete unused file dpt_osdutil.h

Dominik Brodowski:

- o pcmcia: use unsigned long for IO port address

Douglas Gilbert:

- o scsi_debug dsense
- o sg descriptor sense cleanup lk 2.6.11–rc1–bk1
- o sense data helpers lk 2.6.11–rc1–bk1
- o streamline block SG_IO error processing
- o streamline block SG_IO error processing in sd
- o sd descriptor sense support
- o fix scsi cdrom problem

Ed L. Cashin:

- o AOE: fix up the block device registration so that it actually works

Eddie C. Dost:

- o [SPARC64]: Missing user access return value checks in fs/binfmt_elf.c and fs/compat.c

Geert Uytterhoeven:

- o SCSI NCR53C9x.c: some cleanups
- o m68k csum_partial_copy_* gcc4 warning fixes

George T. Joseph:

- o [ARM PATCH] 2434/1: Adds new machine: ixp4xx based gtwx5715

Georgi Guninski:

- o Fix sign checks in copy_from_read_buf()
- o Fix signed compare in fs/proc/generic.c::proc_file_read()
- o reiserfs: use proper 64–bit clean types

Gerd Knorr:

- o video/arv: remove casts
- o video/w9966: remove casts
- o video/zr36120: remove casts
- o v4l: video–buf update
- o v4l2 tuner api update
- o v4l: tuner update
- o v4l: add tveeprom module
- o v4l: tvaudio update
- o v4l: bttv IR input driver update
- o v4l: bttv update
- o v4l: saa7134 module
- o v4l–saa7134–module fix
- o add i2c adapter id for the cx88 driver

Greg Kroah–Hartman:

- o Modules: Allow sysfs module parameters to be written to

Haroldo Gamal:

- o [libata sata_sil] add another Seagate driver to blacklist

Herbert Pötzl:

- o fix ext3 quota allocation bug on error path
- o assert_spin_locked()

Herbert Xu:

- o [IPV4/IPV6]: In ip_fragment(), reset ip_summed field on SKB sub-frags
- o [XFRM]: Probe selected algorithm only
- o [ATM]: Fix IRQ flags type in lec_arp_expire_vcc

Hideaki Yoshifuji:

- o [IPV6]: Fix ip6_copy_metadata potential dst leak too
- o [NET]: Fix kernel oops if base_reachable_time is set to zero

Ingo Molnar:

- o Remove unnecessary ";" in schedstat_macros
- o rest_init() local irq fix

Jack Steiner:

- o [IA64] Delete duplicate SN2 definition of cpu_logical_id for UP build
- o [IA64] Delete: arch/ia64/sn/include/shub.h

Jake Moilanen:

- o ppc64: iSeries buildbreak fix

James Bottomley:

- o dma_release_declared_memory needs iounmap
- o fix use after potential free in scsi_cd_put
- o Add attribute container to generic device model
- o add a generic device transport class
- o move the SCSI transport classes over to the generic transport class
- o SCSI: Fix style nitpicks
- o fix broken cross compiles
- o SCSI Fix oops with faulty DVD
- o SCSI: fix multiple HBA problem with transport classes
- o Fix missed class_remove_file in attribute_container

James Morris:

- o crypto: fix test vectors

Jan Kara:

- o ext2 quota leak fix

Jason Gaston:

- o SATA AHCI support for Intel ICH7R

Jens Axboe:

- o cfq–iosched: in_driver accounting bug

Jes Sorensen:

- o [IA64] fix PAL_PREFETCH_VISIBILITY call

Jesse Barnes:

- o [IA64] new api efi_range_is_wc()
- o [IA64] fix early SAL init for sn2
- o [IA64] remove superfluous layer from sn2 DMA API

Jim Nelson:

- o arm26: new maintainer of Archimedes floppy and hard disk drivers

Johannes Stezenbach:

- o dvb: fix RPS init race
- o dvb: support pinnacle pctx–sat, clean–ups
- o dvb: dibusb refactoring, support Yakumo/HAMA/Typhoon/HanfTek clones
- o dvb: support nrt2002 frontend, misc skystar2 fixes
- o dvb: add ATSC support, misc fixes
- o dvb: dib3000 refactoring
- o dvb: nrt2002: add ATSC support, misc fixes
- o dvb: dvb–ttpci: fix SMP race, budget: fix init race, misc fixes
- o DVB linkage fix
- o dvb: follow USB __le16 changes
- o dvb: fix access to freed memory
- o dvb: support up to six DVB cards
- o dvb: cleanup firmware loading printks

John W. Linville:

- o i810_audio: offset LVI from CIV to avoid stalled start
- o i810_audio comment fix

Jon Smirl:

- o drm: add drm specific sysfs support

Kazunori Miyazawa:

- o [IPSEC]: Fix processing of error from crypto module

Keith Owens:

- o [IA64] Sanity check unw_unwind_to_user
- o fix module kallsym lookup breakage

Kevin Corry:

- o device–mapper: fix TB stripe data corruption

Kumar Gala:

- o ppc32: Add defconfigs for 85xx boards — updated
- o ppc32: allow usage of gen550 on platforms that do not define SERIAL_PORT_DFNS
- o ppc32: fix PCI2 IO space mapping on CDS

- o netdrv gianfar: Fix usage of gfar_read in debug code
- o ppc32: back out idle patch for non-powersaving CPU's
- o ppc32: use platform device style initialization for 85xx serial8250 ports

Len Brown:

- o [ACPI] Use kernel.h for ARRAY_SIZE() instead of using local NUM_OF()
- o [ACPI] Make the bm_activity depend on "jiffies", instead of numbers
- o [ACPI] Add a module parameter to allow tuning how much bus-master activity we remember when entering C3 ---
/sys/module/processor/parameters/bm_history Default varies with HZ
--- 40ms for 25 - 800 HZ, 32ms for 1000 HZ.
- o [ACPI] ACPICA 20050114 from Bob Moore
- o [ACPI] avoid benign AE_TYPE warnings caused by "implicit return" BIOS workaround returning unsolicited (and thus mis-typed) AML values.
- o [ACPI] ACPICA 20050125 from Bob Moore
- o [ACPI] reduce stack usage
http://bugzilla.kernel.org/show_bug.cgi?id=2901
- o [ACPI] ACPI_FUTURE_USAGE for acpi_ut_create_pkg_state_and_push()
- o [ACPI] add "pnpacpi=off"
- o [ACPI] tell parse_cmdline_early() that "pnpacpi=off" != "acpi=off"

Linus Torvalds:

- o acpi video device enumeration: fix incorrect device list allocation
- o x86-64: don't crash and loop when the user passes an unknown earlyprintk= option
- o Free temporary pipe page after freeing the main buffers
- o Rename "locks_verify_area()" to "rw_verify_area()" and clean up the arguments.
- o Add 'f_maxcount' to allow filesystems to set a per-file maximum IO size
- o Fix permissions on drivers/scsi/a100u2w.c
- o Linux 2.6.11-rc3

Manish Lachwani:

- o kobject build fix

Marc Singer:

- o [ARM PATCH] 2442/1: Simplifying NODES_SHIFT

Marcel Holtmann:

- o [Bluetooth] Use wait_event_interruptible_timeout()
- o [Bluetooth] Use wait_event_timeout()
- o [Bluetooth] Fix too many keys pressed error
- o [Bluetooth] Fix rfcomm_sock_destruct() deadlock
- o [Bluetooth] Add RFCOMM service level security
- o [Bluetooth] Remove MTU check for the L2CAP raw socket
- o [Bluetooth] Update inquiry cache from clock offset event
- o [Bluetooth] Support raw mode only devices

- o [Bluetooth] Use raw mode for the CSR sniffer device
- o [Bluetooth] Skip raw mode devices when choosing source device

Mark A. Greer:

- o ppc32: mv64x60 updates
- o ppc32: katana update
- o ppc32: ev64260 update
- o ppc32: cpci690 update
- o ppc32: workaround for mpc10x speculative PCI read erratum
- o ppc32: MPC8245 erratum 28 workaround
- o mpsc updates

Mark Goodwin:

- o [IA64] fix SN2 hwperf error handling

Mark Haverkamp:

- o aacraid 2.6: add scsi synchronize cache support

Mark Salyzyn:

- o dpt_i2o: remove schedule_timeout()

Martin Josefsson:

- o [NETFILTER]: Fix SNAT/DNAT target size checks
- o [NETFILTER]: Fix compile errors without NAT
- o [NETFILTER]: Fix compile with NAT but without modules

Martin Schwidefsky:

- o cputime: simplify generic cputime_to_secs/secs_to_cputime

Martins Krikis:

- o fix an oops in ata_to_sense_error

Matt Mackall:

- o [NET]: netpoll: Fix NAPI polling race on SMP
- o random: overflow fix

Matt Porter:

- o ppc32: STx GP3 port
- o ppc32: add platform specific machine check output handlers
- o Add Eugene Surovegin to CREDITS

Matthew Wilcox:

- o Minor ext2 speedup
- o Make slab use alloc_pages directly

Michael Chan:

- o [TG3]: add tg3_set_eeeprom()
- o [TG3]: Fix TSO for 5750
- o [TG3]: 5750 fixes

Michael Geng:

- o videotext: ioctl's changed to use _IO macros

Michael Marineau:

- o Disable Sidewinder debug messages

Michael Opdenacker:

- o [ARM PATCH] 2444/1: GPIO23_SCLK_md now in uppercase in pxa–regs.h

Michael S. Tsirkin:

- o InfiniBand/mthca: don't write ECR in MSI–X mode
- o InfiniBand/mthca: pass full process_mad info to firmware
- o InfiniBand/mthca: optimize event queue handling
- o InfiniBand/mthca: clean up ioremap()/request_region() usage

Michal Ostrowski:

- o [MAINTAINERS]: Fix my email address in PPPOE entry

Mike Waychison:

- o wait_for_completion API extension addition fixes

Nathan Lynch:

- o ppc64: fix use kref for device_node refcounting (fix)
- o unexport register_cpu and unregister_cpu

Nathan Scott:

- o [XFS] Fix a performance and scaling problem in xfs_iget_core. Improved the inode hash table sizing heuristics, and allow these to be manually tweaked as well.
- o [XFS] Prevent attempts to mount 512 byte sector filesystems with 64KB pagesizes, until fixed.
- o [XFS] Move to per–device hash tables (scalability), and use Bill Irwins hash (quicker).
- o [XFS] Add sanity checks before use of attr_multi opcount parameter
- o [XFS] Switch to using a separate Kconfig file for XFS
- o [XFS] Switch to managing uptodate state on a region within a page, rather than a sector within a page. Fixes 64K pagesize kernels with 512 byte sectors.
- o [XFS] Fix page index to byte calculation result truncation in tracing code.
- o [XFS] Remove write congestion check during metadata readahead
- o [XFS] Ensure the cluster hash size does not exceed the inode hash size
- o [XFS] Fix mapping gfp_flags used on metadata buffer inode
- o [XFS] Fix preempt–related warnings – based on a Chris Wedgwood patch
- o [XFS] Fix selection of EXPORTFS when using XFS to get a good build when XFS=y and EXPORTFS=m.

Nicolas Pitre:

- o [ARM PATCH] 2435/1: platform data for audio on Mainstone

- o [ARM PATCH] 2430/3: TLS support for ARM
- o [ARM PATCH] 2443/1: enable iWMMXt on EABI binaries

Nishanth Aravamudan:

- o [IA64] smpboot.c: use msleep(100) instead of inlined equivalent
- o Add a usecs_to_jiffies() function

Olaf Hering:

- o fix architecture names in hugetlbpage.txt

Olof Johansson:

- o ppc64: p615 IOMMU fix

Pablo Neira:

- o [NETLINK]: Move nl_nonroot into netlink_table

Patrick McHardy:

- o [IPV4]: Keep fragment queues private to each user
- o Fix conntrack fragment route cache memory leak
- o [IPV4]: Do not leak dst entries in ip_copy_metadata()
- o [NETFILTER]: Fix TCP header offset used in tcp_manip_pkt()
- o [NETFILTER]: Fix ICMP checksumming in icmp_reply_translation()

Paul Mackerras:

- o ppc64: xmon data breakpoints on partitioned systems
- o ppc64: fix in_be64 definition
- o ppc64: clear MSR_RI earlier in syscall exit path
- o ppc64: replace schedule_timeout in iSeries_pci_reset
- o ppc64: replace schedule_timeout in pSeries_cpu_die
- o ppc64: replace schedule_timeout in __cpu_up
- o ppc64: replace schedule_timeout in die
- o ppc64: trivial cleanup: EEH_REGION
- o ppc64: sparse fixes for cpu feature constants
- o ppc64: use kref for device_node refcounting

Pavel Machek:

- o swsusp: fix buggy comment
- o Enable swsusp on SMP machines

Peter Hagervall:

- o arch/i386/kernel/apic.c Kill a sparse warning

Phil Oester:

- o [NETFILTER]: Add inversion to multiport match

Prasanna Meda:

- o ptrace: last_siginfo also needs tasklist_lock

Ralf Bächle:

- o mips: IRIX 5 compat fixes
- o mips: build script fixes

- o mips: sbyte updates
- o mips: RM200 updates
- o mips: SGI IP27 updates
- o mips: DVH fixes
- o mips: TX49 updates
- o mips: TXX9 serial driver rewrite
- o mips: AMD Alchemy update
- o mips: ITE 8172 updates
- o mips: AMD Alchemy I2C driver
- o mips: SGI IP32 updates
- o mips: DECstation updates
- o mips: DECstation Turbochannel updates
- o mips: jazz updates
- o mips: mIPS Technologies board updates
- o mips: cobalt updates
- o mips: vR41xx updates
- o mips: VR4181 updates
- o mips: NEC DDB board updates
- o mips: TX39 series updates
- o mips: galileo updates
- o mips: PMC–Sierra updates
- o mips: Momentum updates
- o mips: Lasat updates
- o mips: fix SERIAL_TXX9 dependencies

Randy Dunlap:

- o pcmcia: tcic: eliminate deprecated check_region()
- o pcmcia: i82365: use CONFIG_PNP instead of __ISAPNP__
- o pcmcia: i82092: fix checking of return value from request_region
- o [VLAN]: Eliminate gcc warnings with PROC_FS=n
- o [ATALK]: Remove gcc warning when PROC_FS=n
- o gdth: fix module_param() type for 'irq'
- o irq_affinity: fix build when CONFIG_PROC_FS=n

Randy Vinson:

- o ppc32: missing call to ioremap in pci_iomap()

Richard Purdie:

- o [ARM PATCH] 2429/1: PXA Corgi – Bugfix + Cleanups
- o [ARM PATCH] 2428/1: PXA Corgi – Add Backlight Device Definition

Roland Dreier:

- o [SPARC]: Hook up drivers/infiniband/Kconfig to spar32
- o InfiniBand/core: compat_ioctl conversion minor fixes
- o InfiniBand/mthca: more Arbel Mem–Free support
- o InfiniBand/mthca: implement modifying port attributes
- o InfiniBand/core: fix port capability enums bit order
- o InfiniBand/mthca: test IRQ routing during initialization
- o InfiniBand/ipoib: remove uses of yield()
- o InfiniBand/core: add IsSM userspace support
- o InfiniBand/mthca: remove x86 SSE pessimization

- o InfiniBand/mthca: initialize mutex earlier
- o infiniband: use LANANA–assigned major in ib_umad

Roland McGrath:

- o PPC64: fix stack alignment for signal handlers

Russ Anderson:

- o [IA64] contig.c save physical address of MCA save area
- o [IA64] increase limit on #pages to isolate for MCA errors

Russell Cattelan:

- o [XFS] Move xfs configs to xfs directory, different flavors of xfs have different configs, this way fs/Kconfig does not have to be changed if different xfs's are swapped in and out

Russell King:

- o [ARM] msr can take immediate constants
- o [ARM] Add warning about building fiq.c with gcc >= 3.4
- o [ARM] Make vector labels consistent with naming scheme
- o [ARM] Replace duplicate sets of vector code with assembler macro
- o [ARM] [1/4] Introduce svc_entry macro for common entry code
- o [ARM] [2/4] Introduce inv_entry macro to contain common entry code
- o [ARM] [3/4] Introduce usr_entry macro to contain common entry code
- o [ARM] [4/4] Reformat assembly code to be consistent
- o [ARM] Improve commenting in entry–armv.S
- o [ARM] Remove adrsvc macro

Rusty Russell:

- o x86: no interrupts from secondary CPUs until officially online
- o Include type information as module info where possible
- o [NETFILTER]: IRC Zero Port Fix
- o [NETFILTER]: Avoid breaking userspace due to tuple change

Serge Hallyn:

- o ftape syntax error
- o audit: handle loginuid through proc

Steffen Klassert:

- o 3c59x ethtool: provide NIC–specific stats

Stephen Hemminger:

- o (1/2) skfddi: initialization
- o (2/2) skfddi: netdev_priv and cast cleanup

Stephen Rothwell:

- o ppc64 iseries: can't remove viocd module when no cdroms

Steven Rostedt:

- o e100 locking up netconsole

Stone Wang:

- o ext2/ext3: block allocator startup fix

Stéphane Eranian:

- o [IA64] entry.S: perfmon psr.pp fix

Terence Ripperda:

- o i386/x86-64: Fix ioremap off by one

Thomas Gleixner:

- o sched: fix preemption race (Core/i386)
- o sched: make use of preempt_schedule_irq() (PPC)
- o sched: make use of preempt_schedule_irq (ARM)

Thomas Graf:

- o [NET]: Set NLM_F_MULTI for neighbour rtnetlink messages to userspace

Tom 'spot' Callaway:

- o A BTFIXUP'd fix for pte_read()

Tony Lindgren:

- o [ARM PATCH] 2445/1: Add OMAP serial registers
- o [ARM PATCH] 2446/1: Add OMAP H2 defconfig

Tony Luck:

- o [IA64] two trivial build fixes for generic uniprocessor
- o [IA64] tiger_defconfig: updated for 2.6.11-rc2
- o [IA64] binfmt_elf32.c: BUG if insert_vm_struct fails
- o [IA64] mca.c: delete unused "return_to_sal" label
- o [IA64] clean up ptrace corner cases
- o [IA64] irq handling cleanup
- o [IA64] clean up loose ends from addition of efi_range_is_wc()

Torben Mathiasen:

- o Devices.txt, update with LANANA

Vojtech Pavlik:

- o input: Add support for H-Wheel on Microsoft Explorer and Logitech MX USB HID mice.
- o input: Handle -EILSEQ return code in the HID driver completion handlers as unplug.
- o input: Always bring the i8042 multiplexer out of multiplexing mode before rebooting.
- o input: Enable scancode event generation in the HID driver. This should allow changing HID->event mappings (via EVIOCS*) in the future and make debugging easier now.
- o input: Add missing input_sync() calls to atkbd.c
- o input: Only root should be able to set the N_MOUSE line discipline
- o input: Fix MUX mode disabling
- o input: Ignore non-LED events in hid-input hidinput_event(). This

gets rid

- o input: Fix HID LED mapping. LEDs were ignored because the usage value contains the page code in high 16 bits.

Wim Van Sebroeck:

- o [WATCHDOG] i8xx_tco.c-ICH4/6/7-patch

Yoichi Yuasa:

- o mips: fixed conflicting types
- o make used_math SMP-safe
- o mips: generic MIPS updates
- o mips: iomap

Yoshinori Sato:

- o h8300: fix warning
- o h8300: makefile update

Zdenek Pavlas:

- o initramfs: move inode hash table to __initdata

Zou Nanhai:

- o Fix an error in copy_page_range

Zwane Mwaikambo:

- o OProfile: Use profile_pc in oprofile_add_sample
- o OProfile: Support model 4 P4

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