

2.6.0-test4-mm4

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2003-08/8159.html>

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Date: 08/31/03

Date: Sat, 30 Aug 2003 16:15:36 -0700

To: linux-kernel@vger.kernel.org, linux-mm@kvack.org

<ftp://ftp.kernel.org/pub/linux/kernel/people/akpm/patches/2.6/2.6.0-test4/2.6.0-test4-mm4/>

. Big power management update from Pat

. HPET timer suppor

. CFQ I/O scheduler

. Another CPU scheduler patch

. Various fixes

Changes since 2.6.0-test4-mm3:

+rusage-context-switch-counters-fix.patch

Fix the rusage context switch counters.

+old-module-tools-warning-fix.patch

Just warn when old modutils are detected.

+cfq-3.patch

CFQ I/O scheduler

+sysfs-memleak-fix.patch

Fix a memory leak

+remove-dead-sse-checks.patch

Dead code.

+hpet-01-late-time_init.patch

+hpet-02-boot-time-parsing.patch

- +hpet-03-misc.patch
- +hpet-03-misc-tweaks.patch
- +hpet-04-core.patch
- +hpet-05-timer-services.patch
- +hpet-05-timer-services-tweaks.patch
- +hpet-06-rtc-emulation.patch

ia32 HPET timer support.

- +advansys-procfs-fix.patch

Compile fix

- +usb-serial-oops-fix.patch

USB fix

- +handle-setup_swap_extents-error.patch

swapon error checking fix

- +aha1542-oops-fix.patch

scsi probing oops fix

- +cosa-free_netdev-fix.patch

Fix cosa.c

- +tty_files-oops-fix.patch

Fix tty oops

- +remove-kcore-aout.patch

Remove support for a.out-formatted /proc/kcore

- +VT8231-router-detection.patch

IRQ router support.

- +block-devfs-conversions.patch

Teach some block drivers about devfs

- +test4-pm1.patch

Power management update

- +kobject-unlimited-name-lengths.patch

Remove kobject name length restrictions

+o19int.patch

CPU scheduler work.

+4g4g-preempt-vstack-fix.patch

+4g4g-kmap-warning-comments.patch

4G/4G split fixes.

All 290 patches:

linus.patch

mm.patch

add -mmN to EXTRAVERSION

kgdb-ga.patch

kgdb stub for ia32 (George Anzinger's one)

kgdbL warning fix

kgdb-warning-fix.patch

kgdbL warning fix

kgdb-build-fix.patch

kgdb-spinlock-fix.patch

kgdb-fix-debug-info.patch

kgdb: CONFIG_DEBUG_INFO fix

kgdb-cpumask_t.patch

kgdb-x86_64-fixes.patch

x86_64 fixes

handle-unreadable-dot-config.patch

.config checks updated

huge-net-update.patch

net update

config_sinline.patch

uninline spinlocks for profiling accuracy.

ppc64-build-fixes.patch

Fix ppc64 breakage

ppc64-bar-0-fix.patch

Allow PCI BARs that start at 0

ppc64-reloc_hide.patch

ppc64-semaphore-reimplementation.patch
ppc64: use the ia32 semaphore implementation

ppc64-local.patch
ppc64: local.h implementation

ppc64-sched_clock.patch
ppc64: sched_clock()

sym-do-160.patch
make the SYM driver do 160 MB/sec

x86_64-update-3.patch
x86-64 update for test4

random-locking-fixes.patch
random: SMP locking

random-accounting-and-sleeping-fixes.patch
random: accounting and sleeping fixes

rt-tasks-special-vm-treatment.patch
real-time enhanced page allocator and throttling

rt-tasks-special-vm-treatment-2.patch

input-use-after-free-checks.patch
input layer debug checks

deadline-requeue-workaround.patch
deadline requeue workaround

fbdev.patch

tdfx-build-fix.patch
tdfx linkage fix

cursor-flashing-fix.patch
fbdev: fix cursor letovers

disable-athlon-prefetch.patch

sis900-atomicity-fix.patch
sis900 atomicity fix

slab-hexdump.patch
slab: hexdump structures when things go wrong

aic7xxx-parallel-build-fix.patch
fix parallel builds for aic7xxx

yenta-20030817-1-zv.patch

yenta-20030817-2-override.patch

yenta-20030817-3-sockinit.patch

yenta-20030817-4-pm.patch

yenta-20030817-5-pm2.patch

yenta-20030817-6-init.patch

yenta-20030817-7-quirks.patch

proc-pid-setuid-ownership-fix.patch
fix /proc/pid/fd ownership across setuid()

pid-revalidate-security-hook.patch
Call security hook from pid*_revalidate

dac960-GAM-IOCTLs-cleanup.patch
move DAC960 GAM IOCTLs into a new device

thread-pgrp-fix-2.patch
Fix setpgid and threads

kj-maintainers.patch
Add the kernel janitors to MAINTAINERS

ide-docs-update.patch
Update ide.txt documentation to current ide.c

ramdisk-cleanup.patch

v4l-use-after-free-fix.patch
Fix bug in v4l core for 2.6.0-test3-bk

ikconfig-makefile-update.patch
ikconfig - Makefile update

ftape-warning-fix.patch
Fix ftape warning

jffs-retval-fix.patch
jffs aops return type fix

delay-ksoftirqd-fallback.patch
Try harded in IRQ context before falling back to ksoftirqd

intel8x0-cleanup.patch
intel8x0 cleanups

make-ACPI_SLEEP-select-SOFTWARE_SUSPEND.patch
Make ACPI_SLEEP select SOFTWARE_SUSPEND

3GB-personality.patch
Add 3GB personality

zeromap_pmd_range-fix.patch
zeromap_pmd_range bugfix

no-async-write-errors-on-close.patch
don't report async write errors on close() after all

sis190-fix.patch
sis190 synchronize_irq fix

remove-add_wait_queue_cond.patch
remove add_wait_queue_cond()

spin_lock_irqrestore-fixes.patch
spin_lock_irqrestore() typo fixes

pcmciamtd-fix.patch
pcmciamtd.c: remove release timer

zoran-memleak-fixes.patch
zoran: memleak fixes

zoran-rename-debug.patch
zoran: debug->zr_debug

zoran-release-callback.patch
zoran: add release callback

zoran-pci_disable_device.patch
zoranL: add pci_disable_device() call

zoran-cleanups.patch
zoran: cleanups

zoran-cleanups-2.patch
zoran: more cleanups

zoran-naming-fix.patch
zoran: correct name field breakage

airo-build-fix.patch
airo CONFIG_PCI=n build fix

m68k-vmlinux_lds-move.patch
move m68k vmlinux.lds files

mac-ide-fix.patch
Fix Mac IDE

m68k-asm-sections-fix.patch
m68k asm/sections.h

m68k-asm-local.patch
m68k asm/local.h

amiga-z2ram-fix.patch
Amiga z2ram

amiga-floppy-fix.patch
Amiga floppy

atari-floppy-fix.patch
Atari floppy

m68k-switch_to-fix.patch
M68k switch_to fix

pcxx-warning-fix.patch
drivers/char/pcxx.c warning fix

pcnet32-unregister_pci-fix.patch
pcnet32 needs unregister_pci

hwifs-oops-unregister-fix.patch
Fix ide unregister vs. driver model

c99-conversions.patch
c99 struct initialiser conversions

cyc2x-fixes.patch
cyc2x: sanitize ioremap usage & more

noacpi-option-fix.patch
Fix 'pci=noacpi' with buggy ACPI BIOSes

h8300-interrupt-fix.patch
h8300 interrupt problem fix

proc-kallsyms-caching-fix.patch
/proc/kallsym caching fix

proc-kallsyms-permission-fix.patch
Fix permissions on /proc/kallsyms

cu3088-string-null-termination-fix.patch
cu3088 null termination fix

kobject-doc-addition.patch
Kobject doc addition

vm_enough_memory-speedup.patch
vm_enough_memory microoptimisation

abi-doc-update.patch
abi doc update

remove-bio-boot-messages.patch
bio.c: reduce verbosity at boot

claim-serio-early.patch
Serio: claim serio early

ni5010-build-fix.patch
ni5010.c: remove cli/sti

sis190-build-fix.patch
sis190 doesn't compile with gcc 2.95

nopage-fix.patch
do_no_page() fix

fix-strange-code-in-bio_add_page.patch
Fix odd code in bio_add_page

parport_pc-rmmod-oops-fix.patch
parport_pc rmmod oops fix

reiserfs-writepage-fix.patch
reiserfs writepage-versus-truncate fix

visws-build-fix.patch
visws: fix 2.6.0-test4 breakage

cciss-queue-init-fix.patch
cciss queue initialisation fix

htree-big-endian-fix.patch
Fix ext3 htree corruption on big-endian platforms

selinux-file-fcntl-fix.patch
Fix selinux_file_fcntl

selinux-avtab-fix.patch
Fix SELinux avtab

selinux-format-specifiers-fix.patch

Fix SELinux format specifiers

selinux-binprm-hooks-rework.patch

Rework SELinux binprm hooks

ext2-xattr-typo-fix.patch

Fix typo in #ifdef for ext2 xattr support

bad-inode-ops.patch

Add more bad_inode operations

kcore-aout-build-fix.patch

Fix build with CONFIG_KCORE_AOUT

nfs4proc-warnings-fix.patch

knfsd nfs4 warning fixes

bluetooth-warning-fixes.patch

Fix bluetooth compile warnings

nopage-rss-accounting-fix.patch

do_no_page() rss accounting fix

sonypi-update.patch

sonypi driver update

meye-update.patch

meye driver update

jbd-stfu.patch

jbd: remove uninformative printk

proc-pid-maps-32-bit-fix.patch

Do 32bit addresses in /proc/self/maps if possible

acpi-pci-link-fix.patch

acpi pci_link fix

rusage-context-switch-counters.patch

add context switch counters

rusage-context-switch-counters-fix.patch

large-dev_t-01.patch

large dev_t work – first series (1/12)

large-dev_t-02.patch

large dev_t work – first series (2/12)

large-dev_t-03.patch
large dev_t work – first series (3/12)

large-dev_t-04.patch
large dev_t work – first series (4/12)

large-dev_t-05.patch
large dev_t work – first series (5/12)

large-dev_t-06.patch
large dev_t work – first series (6/12)

large-dev_t-07.patch
large dev_t work – first series (7/12)

large-dev_t-08.patch
large dev_t work – first series (8/12)

large-dev_t-09.patch
large dev_t work – first series (9/12)

large-dev_t-10.patch
large dev_t work – first series (10/12)

large-dev_t-11.patch
large dev_t work – first series (11/12)

large-dev_t-12.patch
large dev_t work – first series (12/12)

large-dev_t-12-fix.patch
large dev_t 12/12 fix

size_t-printk-warning-fixes.patch
remove size_t-based printk warnings

stallion-build-fix-2.patch
stallion serial driver cleanup

evdev_ioctl-fix.patch
evdev_ioctl does not report EV_MSC capabilities

as-no-initial-antic.patch
AS: don't anticipate against a tasks' initial I/O

mark-devfs-obsolete.patch
mark devfs obsolete

hch-contacts-update.patch
hch has moved

h8300-include-update.patch
h8300 include update

cyclades-isa-fix.patch
Cyclades ISA serial driver fix

old-module-tools-warning.patch
kbuild: warn if the user has old modutils

old-module-tools-warning-fix.patch

arcnet-printk-fix.patch
fix arcnet printk parameter types

floppy-cleanup.patch
floppy driver cleanup

floppy-more-cleanup.patch
floppy driver: more cleanups

v850-nommu-export-fixes.patch
v850: Guard some symbol exports with #ifdef CONFIG_MMU

v850-RODATA-fix.patch
v850: Give v850 its own version of the vmlinux.lds.h RODATA macro

dnotify-use-tgid.patch
Use tgid rather than pid in dnotify

send_sigio-decl-fix.patch
Fix a few declarations

ipc-use-tgid.patch
ipc/sem.c: ->pid to ->tgid changes

voyager-cpumask_t-fix.patch
make voyager work again after the cpumask_t changes

mtrr-attrib_to_str-consolidation.patch
mtrr cleanups

ioctl_end-fix.patch
compat ioctl_table fix

raw-driver-fixes.patch
raw driver oops fix

ipc_init-shuffle.patch
ipc_init() uses vmalloc too early

zone-pressure-fixes.patch
vmscan: zone pressure calculation fix

zone-pressure-simplification.patch
vmscan: zone pressure simplification and fix

cfq-3.patch
CFQ io scheduler

sysfs-memleak-fix.patch
Fix sysfs memory leak

remove-dead-sse-checks.patch
Remove SSE2 bugs.h check

hpet-01-late-time_init.patch
HPET 1/6: Support for HPET based timer

hpet-02-boot-time-parsing.patch
HPET 2/6: Support for HPET based timer

hpet-03-misc.patch
HPET 3/6: Support for HPET based timer

hpet-03-misc-tweaks.patch

hpet-04-core.patch
HPET 4/6: Support for HPET based timer

hpet-05-timer-services.patch
HPET 5/6: Support for HPET based timer

hpet-05-timer-services-tweaks.patch

hpet-06-rtc-emulation.patch
HPET 6/6: Support for HPET based timer

advansys-procfs-fix.patch
fix advansys.c if !CONFIG_PROC_FS

usb-serial-oops-fix.patch
Fix oopses with usb-serial devices

handle-setup_swap_extents-error.patch
handle setup_swap_extents() error in swapon.

aha1542-oops-fix.patch
scsi_unregister() oops fix

cosa-free_netdev-fix.patch
cosa.c free_netdev typo

tty_files-oops-fix.patch
tty oops fix

remove-kcore-aout.patch
kill CONFIG_KCORE_AOUT

VT8231-router-detection.patch
VT8231 IRQ router detection

block-devfs-conversions.patch
Initialise devfs_name in various block drivers

test4-pm1.patch
power management update

kobject-unlimited-name-lengths.patch
kobject: Support unlimited name lengths.

p00001_synaptics-restore-on-close.patch

p00002_psmouse-reset-timeout.patch

p00003_synaptics-multi-button.patch

p00004_synaptics-optional.patch

p00005_synaptics-pass-through.patch

p00006_psmouse-suspend-resume.patch

p00007_synaptics-old-proto.patch

synaptics-mode-set.patch
Synaptics mode setting

syn-multi-btn-fix.patch
synaptics multibutton fix

keyboard-resend-fix.patch
keyboard resend fix

linux-isp-2.patch

linux-isp-2-fix-again.patch
lost feral fix

feral-bounce-fix.patch
Feral driver - highmem issues

feral-bounce-fix-2.patch
Feral driver bouncing fix

list_del-debug.patch
list_del debug check

print-build-options-on-oops.patch
print a few config options on oops

show_task-free-stack-fix.patch
show_task() fix and cleanup

put_task_struct-debug.patch

ia32-mknod64.patch
mknod64 for ia32

ext2-64-bit-special-inodes.patch
ext2: support for 64-bit device nodes

ext3-64-bit-special-inodes.patch
ext3: support for 64-bit device nodes

64-bit-dev_t-kdev_t.patch
64-bit dev_t and kdev_t

64-bit-dev_t-other-archs.patch
enable 64-bit dev_t for other archs

mknod64-64-bit-fix.patch
dev_t: fix mknod for 64-bit archs

ustat64.patch
ustat64

ppc-64-bit-stat.patch
fix ppc stat.h for 64-bit dev_t

64-bit-dev_t-init_rdx-fixes.patch
initrd fixes for 64-bit dev_t

arch-dev_t-stat-fixes.patch
Fix all asm-*/stat.h dev_t instances

oops-dump-preceding-code.patch
i386 oops output: dump preceding code

lockmeter.patch

sparc64-lockmeter-fix.patch

sparc64-lockmeter-fix-2.patch
Fix lockmeter on sparc64

printk-oops-mangle-fix.patch
disentangle printk's whilst oopsing on SMP

20-odirect_enable.patch

21-odirect_cruft.patch

22-read_proc.patch

23-write_proc.patch

24-commit_proc.patch

25-odirect.patch

nfs-O_DIRECT-always-enabled.patch
Force CONFIG_NFS_DIRECTIO

sched-CAN_MIGRATE_TASK-fix.patch
CAN_MIGRATE fix

sched-balance-fix-2.6.0-test3-mm3-A0.patch
sched-balance-fix-2.6.0-test3-mm3-A0

sched-2.6.0-test2-mm2-A3.patch
sched-2.6.0-test2-mm2-A3

ppc-sched_clock.patch

sparc64_sched_clock.patch

x86_64-sched_clock.patch
Add sched_clock for x86-64

sched-warning-fix.patch

sched-balance-tuning.patch
CPU scheduler balancing fix

sched-no-tsc-on-numa.patch
Subject: Re: Fw: Re: 2.6.0-test2-mm3

o12.2int.patch
O12.2int for interactivity

o12.3.patch
O12.3 for interactivity

o13int.patch
O13int for interactivity

o13.1int.patch
O13.1int

o14int.patch
O14int

o14int-div-fix.patch
o14int 64-bit-divide fix

o14.1int.patch
O14.1int

o15int.patch
O15int for interactivity

o16int.patch
From: Con Kolivas <kernel@kolivas.org>
Subject: [PATCH] O16int for interactivity

o16.1int.patch
O16.1int for interactivity

o16.2int.patch
O16.2int

o16.3int.patch
O16.3int

o18int.patch
O18int

o18.1int.patch
O18.1int

sched-cpu-migration-fix.patch
sched: task migration fix

o19int.patch
O19int

4g-2.6.0-test2-mm2-A5.patch
4G/4G split patch
4G/4G: remove debug code
4g4g: pmd fix
4g/4g: fixes from Bill
4g4g: fpu emulation fix
4g/4g usercopy atomicity fix
4G/4G: remove debug code
4g4g: pmd fix
4g/4g: fixes from Bill
4g4g: fpu emulation fix

4g/4g usercopy atomicity fix

4g4g-preempt-vstack-fix.patch
4G/4G preempt on vstack

4g4g-kmap-warning-comments.patch
4G/4G: even number of kmap types

4g4g-slab-__get_user-fix.patch
4g4g: fix __get_user in slab

4g4g-vmlinux-update-got-lost.patch

4g4g-do_page_fault-cleanup.patch
4G/4G: remove debug code

4g4g-cleanups.patch

kgdb-4g4g-fix-2.patch

4g4g-config-fix.patch

4g4g-pmd-fix.patch
4g4g: pmd fix

4g4g-wli-fixes.patch
4g/4g: fixes from Bill

4g4g-fpu-fix.patch
4g4g: fpu emulation fix

4g4g-show_registers-fix.patch
4g4g: show_registers() fix

4g4g-pin_page-atomicity-fix.patch
4g/4g usercopy atomicity fix

4g4g-remove-touch_all_pages.patch

4g4g-debug-flags-fix.patch
4g4g: debug flags fix

4g4g-TI_task-fix.patch
4g4g: Fix wrong asm-offsets entry

cyclone-fixmap-fix.patch
cyclone time fixmap fix

ppc-fixes.patch
make mm4 compile on ppc

aic7xxx_old-oops-fix.patch

aio-01-retry.patch

AIO: Core retry infrastructure

io_submit_one-EINVAL-fix.patch

Fix aio process hang on EINVAL

aio-02-lockpage_wq.patch

AIO: Async page wait

aio-03-fs_read.patch

AIO: Filesystem aio read

aio-04-buffer_wq.patch

AIO: Async buffer wait

aio-05-fs_write.patch

AIO: Filesystem aio write

aio-05-fs_write-fix.patch

aio-06-bread_wq.patch

AIO: Async block read

aio-06-bread_wq-fix.patch

aio-07-ext2getblk_wq.patch

AIO: Async get block for ext2

O_SYNC-speedup-2.patch

speed up O_SYNC writes

aio-09-o_sync.patch

aio O_SYNC

aio-10-BUG-fix.patch

AIO: fix a BUG

aio-11-workqueue-flush.patch

AIO: flush workqueues before destroying ioctx'es

aio-12-readahead.patch

AIO: readahead fixes

aio-dio-no-readahead.patch

aio O_DIRECT no readahead

lock_buffer_wq-fix.patch

lock_buffer_wq fix

unuse_mm-locked.patch

AIO: hold the context lock across unuse_mm

aio-take-task_lock.patch

From: Suparna Bhattacharya <suparna@in.ibm.com>

Subject: Re: 2.5.72-mm1 - Under heavy testing with AIO,.. vmstat seems to blow the kernel

aio-O_SYNC-fix.patch

Unify o_sync changes for aio and regular writes

aio-O_SYNC-fix-missing-bit.patch

aio-O_SYNC-fix bits got lost

O_SYNC-speedup-nolock-fix.patch

aio-writew-nsegs-fix.patch

aio: writew nr_segs fix

aio-remove-lseek-triggerable-BUG_ONs.patch

aio-readahead-rework.patch

Unified page range readahead for aio and regular reads

aio-readahead-speedup.patch

Readahead issues and AIO read speedup

aio-osync-fix-2.patch

More AIO O_SYNC related fixes

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