

# Linux 2.4.23-pre1

**Source:** <http://linux.derkeiler.com/Mailing-Lists/Kernel/2003-08/7391.html>

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**Date:** 08/27/03

Date: Wed, 27 Aug 2003 14:52:45 -0300 (BRT)  
To: lkml <[linux-kernel@vger.kernel.org](mailto:linux-kernel@vger.kernel.org)>

Hello,

Here goes the first -pre of 2.4.23. It contains a bunch of updates spread all over, most notably networking.

There are still pending patches in my queue, but I though "Ok, enough patches for a -pre. "

Detailed changelog below

Summary of changes from v2.4.22 to v2.4.23-pre1

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<achirica:telefonica.net>:

- o [netdrv airo] Missing defines (only for documentation)
- o [netdrv airo] MAC type changed to unsigned
- o Missing lines for Wireless Extensions 16
- o MIC support with newer firmware
- o Safer unload code
- o Fix adhoc config

<amir.noam:intel.com>:

- o [net] export alloc\_netdev
- o [netdrv bonding] embed stats struct inside bonding private struct

<davej:redhat.com>:

- o [IPV6]: Missing break in switch statement of rawv6\_getsockopt()
- o [IPV4]: /proc/net/pnp dumps items marked initdata

<emann:mrv.com>:

- o [VLAN]: Fix OOPS on module removal

<jan.oravec:6com.sk>:

- o [NET]: Set NLM\_F\_MULTI in answer of RTM\_GETADDR dump answer

<jan.zuchhold.com>:

- o [TG3]: Recognize Altima AC1001 device IDs

<javier:tudela.mad.ttd.net>:

- o [wireless airo] Fixes unregistering of PCI cards
- o [wireless airo] Replaces task queues by simpler kernel\_thread

<jdewand:redhat.com>:

- o [SPARC64]: Fix cdrom ioctl32 translations

<kambo77:hotmail.com>:

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

<kartik\_me:hotmail.com>:

- o [CRYPTO]: Add cast5, integration by jmorris@intercode.com.au

<marcelo:logos.cnet>:

- o pcwd.c: fix oops on unload
- o Cset exclude: m.c.p@wolk-project.de|ChangeSet|20030825183254|28555
- o Cset exclude: m.c.p@wolk-project.de|ChangeSet|20030825194257|34486
- o Fix possible IRQ handling SMP race: Kudos to TeJun Huh
- o Changed EXTRAVERSION to -pre1

<matthewn:snapgear.com>:

- o [netdrv 8139cp] fix h/w vlan offload

<michel:daenzer.net>:

- o [NET]: Make sure interval member of struct tc\_estimator is signed

<mmagallo:debian.org>:

- o AGPGART support for Intel 7x05 chipsets (backported from 2.6)

<skewer:terra.com.br>:

- o [NET]: Remove dead comment from dummy.c driver

<szivan:hell.org.pl>:

- o [netdrv 8139too] fix resume behavior, by correctly saving/restoring pci state.

<tv:debian.org>:

- o [NET]: Flush hw header caches on NETDEV\_CHANGEADDR events

<wensong:linux-vs.org>:

- o [IPV4]: Add IP Virtual Server to 2.4.x

Alexey Kuznetsov:

- o [IPV4]: IP options were not updated while forwarding multicasts
- o [PKT\_SCHED]: More reasonable PSCHED\_JSCALE for various values of HZ
- o [IPV4]: Fix rt\_score() and usage when purging rtcache hash chains

Andi Kleen:

- o Compile fix for ACPI in 2.4.22/x86-64

Anton Blanchard:

- o [NET]: Add missing memory barriers for `__LINK_STATE_RX_SCHED` handling

Arjan van de Ven:

- o Fix asm constraint bug in `arch/i386/kernel/pci–pc.c`

Arnaldo Carvalho de Melo:

- o `irqreturn_t` compatibility with 2.6

Ben Collins:

- 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`

Benjamin Herrenschmidt:

- o [NET]: Do not call `request_irq` with spinlock held in `sungem.c`

Chas Williams:

- o [ATM]: export `try_atm_clip_ops` not `atm_clip_ops_mutex`

Christoph Hellwig:

- o fix `copy_namespace()`
- o use `list_add_tail` in `buffer_insert_list`
- o reserve a `sysctl` number for XFS (`pagebuf`)

Dave Kleikamp:

- o JFS: If unicode conversion fails, operation should fail
- o JFS: Make error return codes negative
- o JFS: K&R to ANSI conversions for `fs/jfs/jfs_dmap.c` and `jfs_xtree.c`
- o JFS: add `nointegrity` mount option (Karl Rister)

David S. Miller:

- o [SPARC64]: Add Ultra–IIIi/Jalapeno support
- o [SPARC64]: Add JIO/Tomatillo PCI controller support
- o [SPARC64]: Read processor number correctly on Ultra–IIIi/Jalapeno
- o [SPARC64]: In ISA support, if `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]: Sanitize PCI controller handling to support Tomatillo better
- o [SPARC64]: Pass correct args to `data_access_exception()` in `unaligned.c`
- o [SPARC64]: Make sure to reject all PCI DAC dma masks
- o [SPARC64]: In `schizo` driver, if `virtual–dma` property exists, respect it
- o [ATM]: Remove `–g` option from driver directory `CFLAGS`
- o [SPARC64]: More tomatillo PCI controller fixes
- o [TG3]: More Sun onboard 5704 fixes
- o [TG3]: Only call `tg3_init_rings()` after hardware has been reset
- o [SPARC64]: Fix AFSR error reporting for Cheetah+/Jalapeno
- o [SPARC64]: Missing `cheetah+ ASI` defines
- o [SPARC64]: Fix unused variable warnings when using `ionmap()`
- o [SPARC64]: Do not make `sparc_{cpu,fpu}_type` a `NR_CPUS` array
- o [NET]: Export `neigh_changeaddr`

- o [SPARC64]: Add some missing PCI error reporting
- o [TG3]: Fix AC1001 typo in pci\_ids.h
- o [NET]: Include asm/uaccess.h in net/core/ethtool.c

Harald Welte:

- o [NETFILTER]: Backport iptables AH/ESP fixes from 2.6.x
- o [NETFILTER]: Fix uninitialized return in iptables tftp
- o [NETFILTER]: NAT optimization
- o [NETFILTER]: Conntrack optimization (LIST\_DELETE)

Hideaki Yoshifuji:

- o [IPV6]: Fix typo in linux/ipv6.h

Ion Badulescu:

- o [netdrv tulip] add pci id for 3com 3CSOHO100B–TX

Jack Hammer:

- o ServeRAID 6.10 Driver Update

Jeff Garzik:

- o [ia32] Via, Intel cpu capabilities update
- o [hw\_random] add combined Intel+AMD+VIA h/w RNG driver
- o [NET]: Backport ethtool\_ops from 2.6.x
- o [ia32] mention that X86\_VENDOR\_ID is tied to NCAPINTS, in a comment in arch/i386/kernel/head.S.

John Stultz:

- o Do not clear SMI pin at bootup
- o Handle clustered XAPIC in set\_ioapic\_affinity()

Keith M. Wesolowski:

- o [SPARC]: Trap table alignment for HyperSPARC

Krishna Kumar:

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

Marc–Christian Petersen:

- o Cleanup kmem\_cache\_reap()
- o Fix initrd with netboot
- o Cleanup DRM submenu
- o Replace bogus and obsolete "#if \_\_SMP\_\_" –> CONFIG\_SMP
- o Allow console switching after kernel panic()
- o Unblank console if panic()
- o Handle get\_block errors correctly in block\_read\_full\_page()
- o LVM Update v1.0.5 to v1.0.7
- o CONFIG\_NR\_CPUS
- o Avoid potentially leaking pagetables into the per–cpu queues
- o Proper APIC with HyperThreading

Martin Devera:

- o [NET]: Fix bugs in sch\_htb packet scheduler

## Linux-Kernel: Linux 2.4.23-pre1

Mikael Pettersson:

- o [ia32] adjust X86\_VENDOR\_ID offset in head.S, due to new NCAPINTS
- o 2.4.22 local APIC updates 1/3: remove incorrect blacklist rules
- o 2.4.22 local APIC updates 2/3: add lapic/nolapic options
- o 2.4.22 local APIC updates 3/3: disable APIC\_BASE on reboot

Patrick McHardy:

- o [NET]: Fix no\_cong\_thresh sysctl

Randy Dunlap:

- o [NET]: Audit copy\_from\_user checks in pktgen

Robert Olsson:

- o [NET]: Remove some debugging from pktgen

Rusty Russell:

- o [NETFILTER]: Fix masquerade routing check, backport to 2.4 by kurd@cp.rtfm.se

Stelian Pop:

- o sonypi driver update
- o meye driver updates

Stephen Hemminger:

- o [BRIDGE]: Mailing list is at osdl.org now
- o [VLAN]: Allow it to compile with VLAN\_DEBUG enabled

Willy Tarreau:

- o Fix amd67x\_pm.c crash with no chipsets / CONFIG\_HOTPLUG
- o make log buffer length selectable

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