

The Linux Kernel

Greg Kroah-Hartman
SuSE Labs / Novell

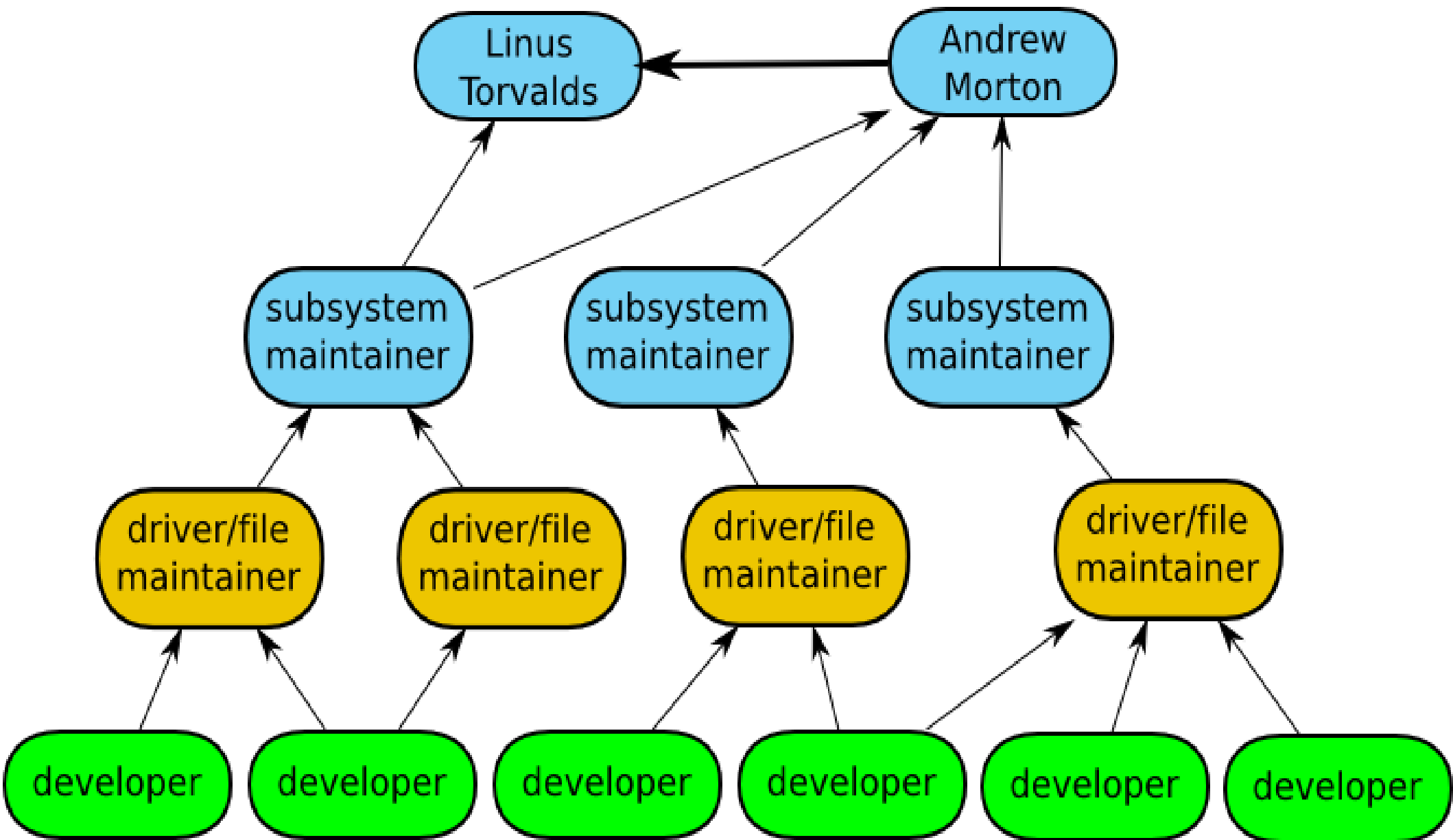
3,800 lines added

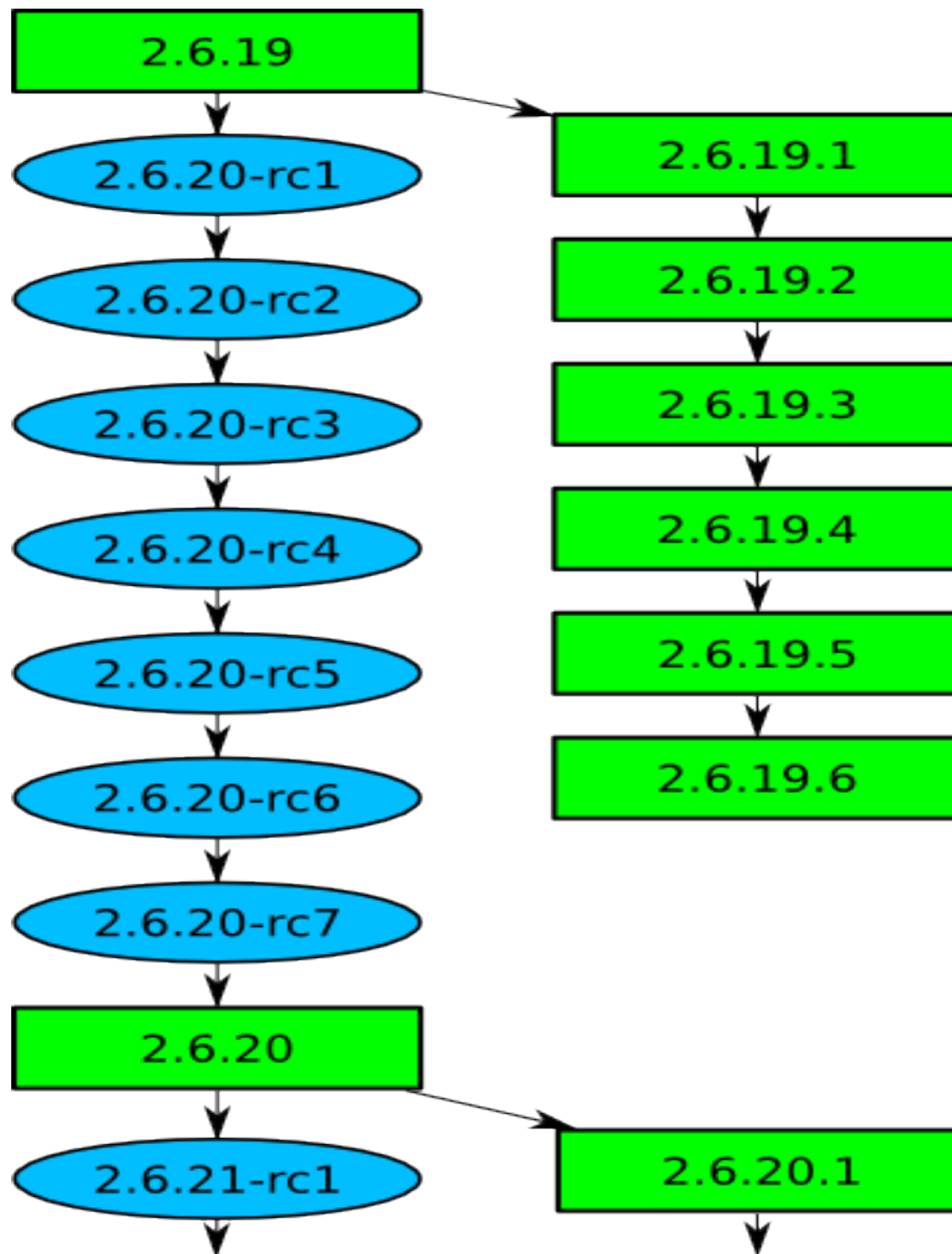
1,700 lines removed

1,300 lines modified

per day for all of 2007

3.21 changes per hour







**New release every
2³/₄ months**

8.9 million lines

```
if (error)
    goto Error;

/* first, register with generic layer */
kobj_err = set_name(&dev->kobj, "%s", dev->bus_id);
error = kobj_err ? add_name_error(dev, kobj_err) : 0;
if (error)
    goto error;

/* notify platform of device entry */
if (platform_notify)
    platform_notify(dev);

/* notify clients of device entry (new way) */
if (dev->bus)
    blocking_notifier_call_chain(&dev->bus->bus_notifier,
                                BUS_NOTIFY_ADD_DEVICE, dev);

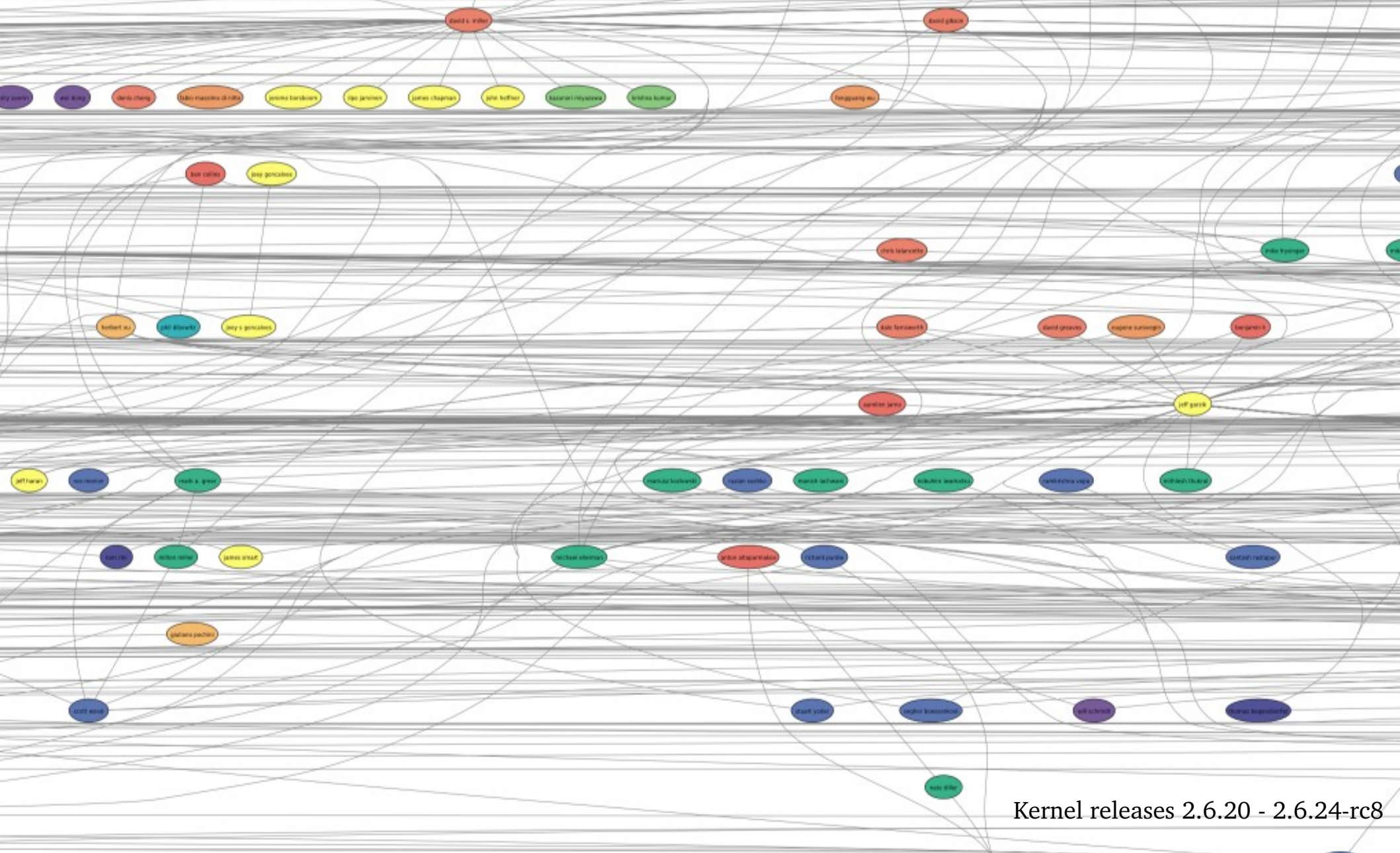
error = device_create_file(dev, &uevent_attr);
if (error)
    goto attrError;

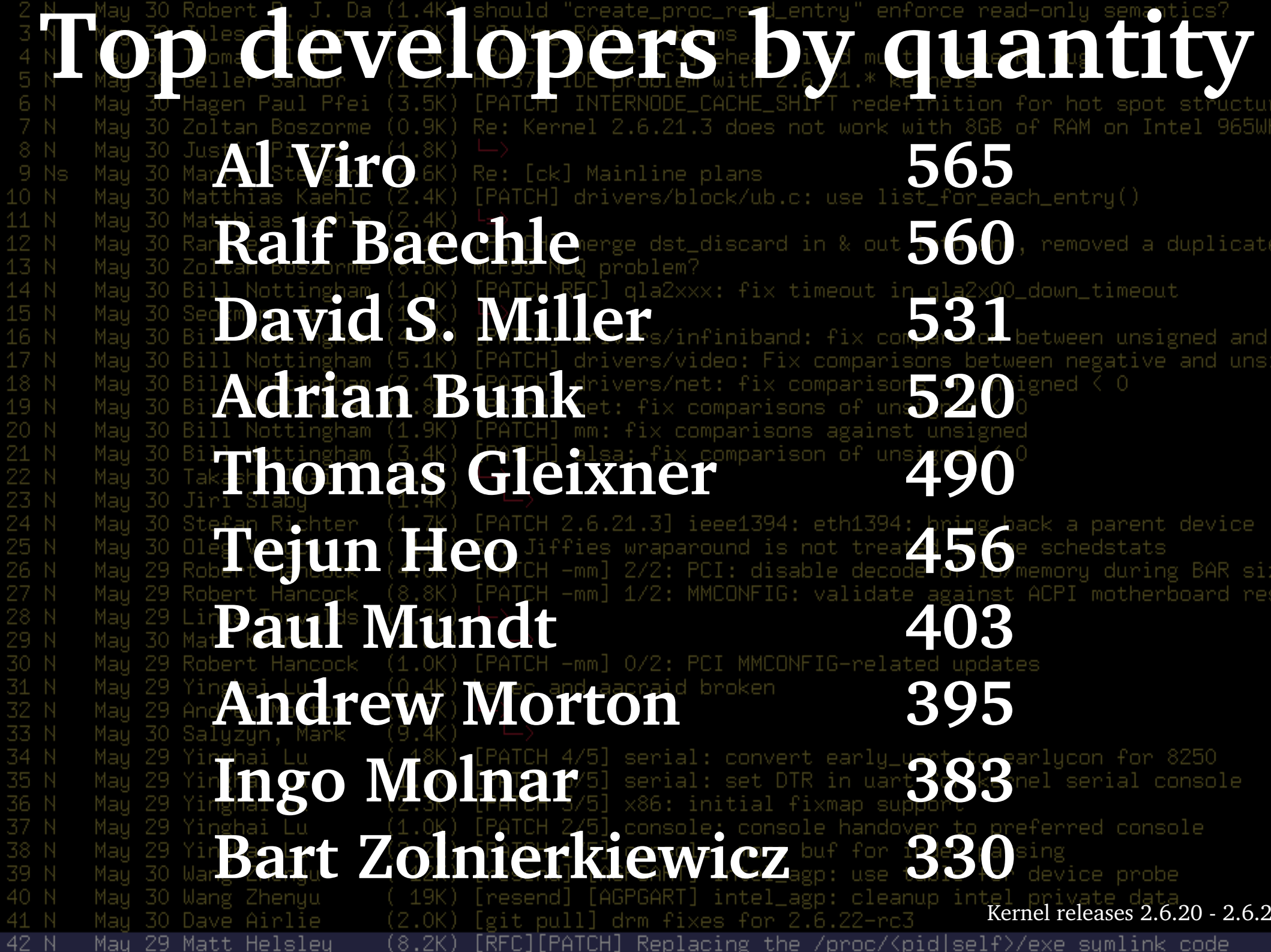
if (MAJOR(dev->devt)) {
    error = device_create_file(dev, &devt_attr);
    if (error)
        goto ueventattrError;
}

if (dev->class) {
    sysfs_create_link(&dev->kobj, &dev->class->subsys.kobj,
                    "subsystem");
    /* If this is not a "fake" compatible device, then create the
     * symlink from the class to the device. */
    if (dev->kobj.parent != &dev->class->subsys.kobj)
```

as of the 2.6.24 release

2211 Developers





Top Signed-off-by:

Andrew Morton 7391

Linus Torvalds 7360

David S. Miller 3293

Jeff Garzik 2427

Greg Kroah-Hartman 1571

Paul Mackerras 1351

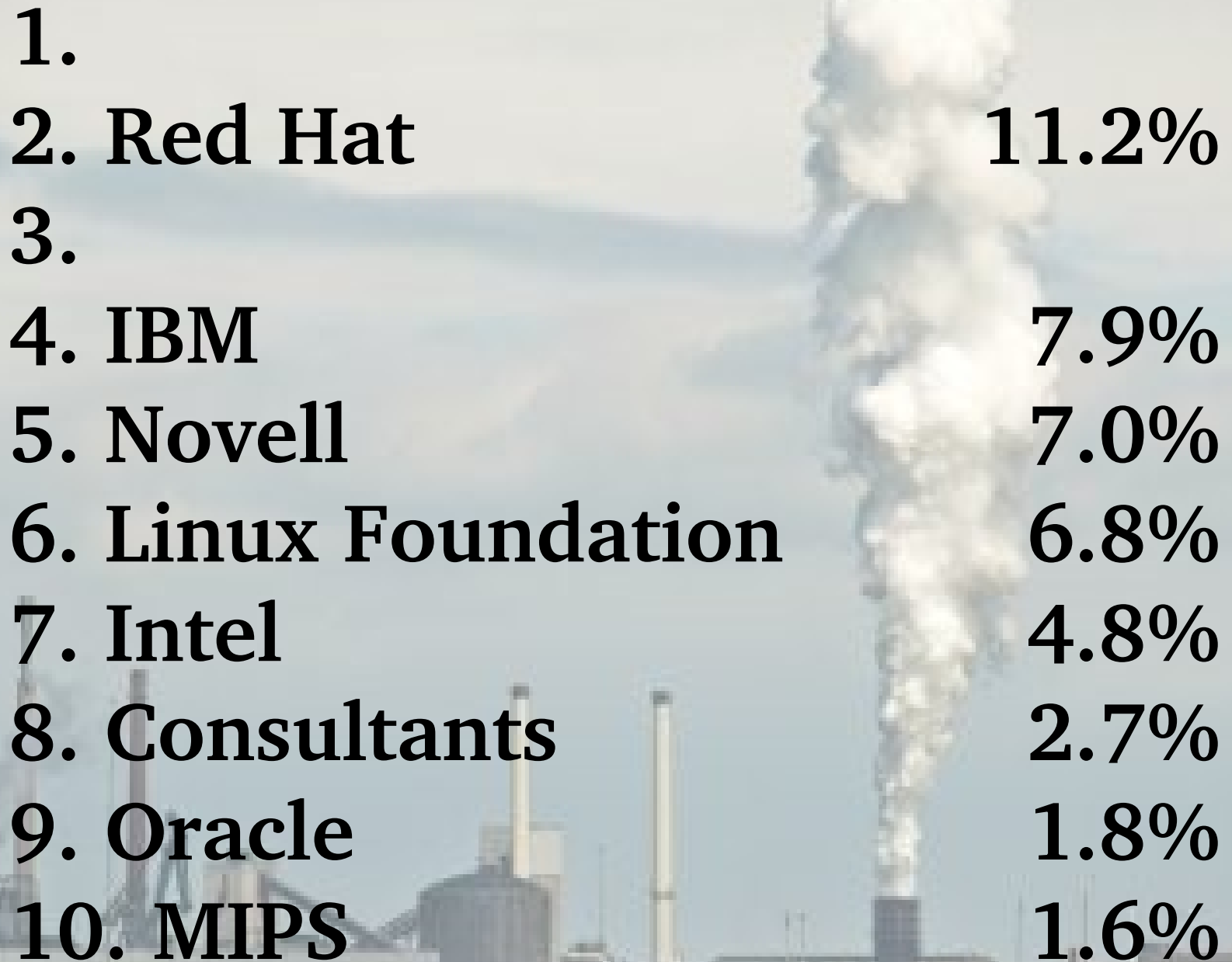
Mauro Carvalho Chehab 1224

Ingo Molnar 1112

Ralf Baechle 1032

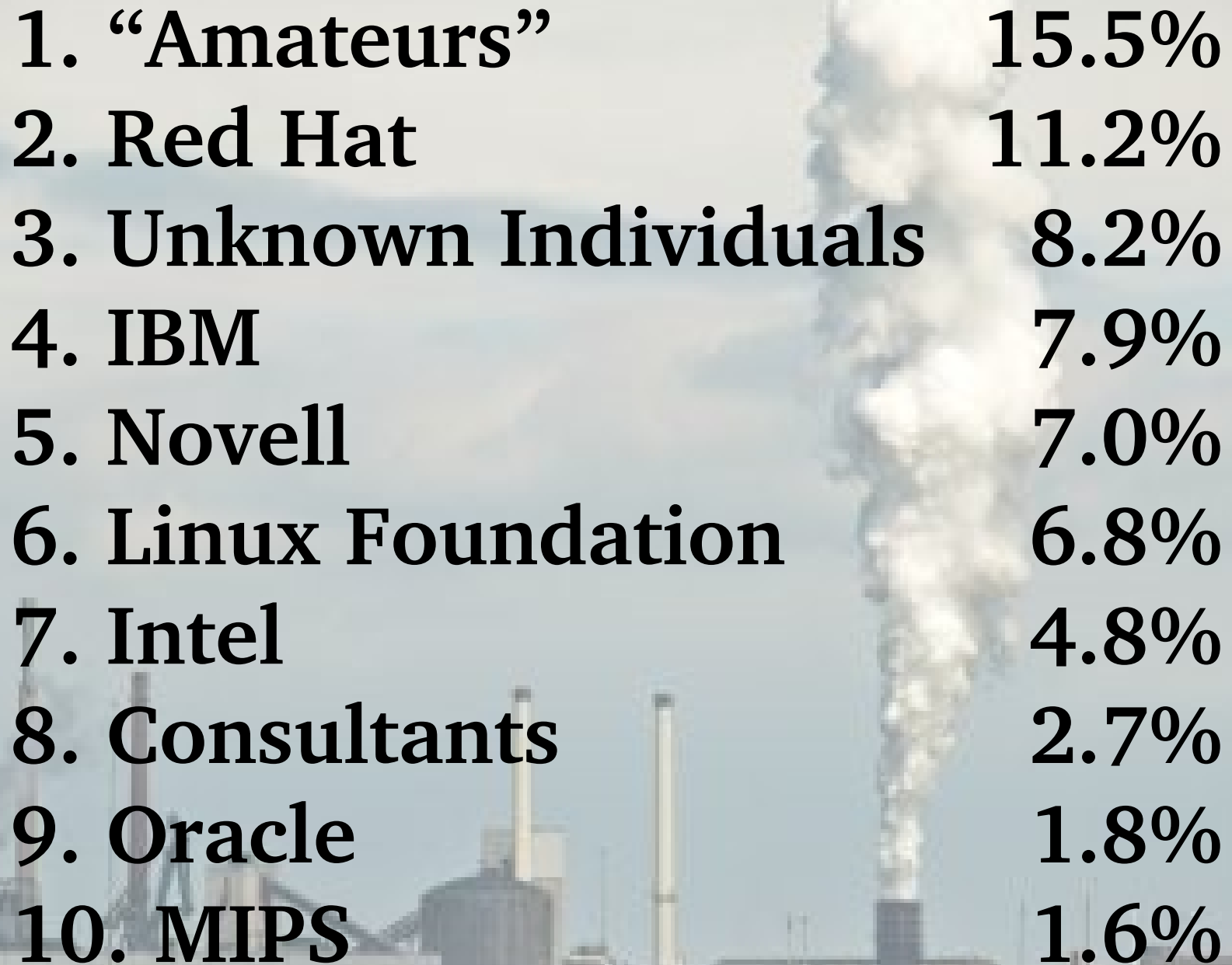
James Bottomley 981

Who is funding this work?



1.	
2. Red Hat	11.2%
3.	
4. IBM	7.9%
5. Novell	7.0%
6. Linux Foundation	6.8%
7. Intel	4.8%
8. Consultants	2.7%
9. Oracle	1.8%
10. MIPS	1.6%

Who is funding this work?



1. “Amateurs”	15.5%
2. Red Hat	11.2%
3. Unknown Individuals	8.2%
4. IBM	7.9%
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6. Linux Foundation	6.8%
7. Intel	4.8%
8. Consultants	2.7%
9. Oracle	1.8%
10. MIPS	1.6%

79 Intel employees contributed to the kernel in 2007

2	N	May 30	Robert P. J. Da	(1.4K)	should "create_proc_read_entry" enforce read-only semantics?
3	N	May 30	Jules Colding	(3.8K)	LSI MegaRAID problems
4	N	May 30	Thomas Klein	(1.3K)	[PATCH 2.6.22-rc3] ehea: Fixed multi queue RX bug
5	N	May 30	Geller Sandor	(1.2K)	HPT374 IDE problem with 2.6.21.* kernels
6	N	May 30	Hagen Paul Pfei	(3.5K)	[PATCH] INTERNODE_CACHE_SHIFT redefinition for hot spot structur
7	N	May 30	Zoltan Boszorme	(0.9K)	Re: Kernel 2.6.21.3 does not work with 8GB of RAM on Intel 965WH
8	N	May 30	Justin Piszcz	(1.8K)	↳
9	Ns	May 30	Martin Steigerw	(5.5K)	Re: [PATCH] Merge of patches for 2.6.22-rc3
10	N	May 30	Matthias Kaehle	(2.4K)	[PATCH] drivers/block/ubd.c: list for each entry()
11	N	May 30	Matthias Kaehle	(2.4K)	↳
12	N	May 30	Rankle_	(3.1K)	[PATCH] merge dst_discard in & out into one, removed a duplicate
13	N	May 30	Zoltan Boszorme	(8.6K)	MCP55 NCC problem?
14	N	May 30	Frank Effenberger	(1.0K)	[PATCH] pci2xx: fix race in pci2xx_remove() to prevent
15	N	May 30	Stolmann Ju	(1.4K)	↳
16	N	May 30	Bill Nottingham	(4.5K)	[PATCH] drivers/infiniband: fix comparsion between unsigned and
17	N	May 30	Bill Nottingham	(5.1K)	[PATCH] drivers/video: Fix comparisons between negative and unsi
18	N	May 30	Bill Nottingham	(2.4K)	[PATCH] drivers/net/ifi: comparisons of unsigned < 0
19	N	May 30	Bill Nottingham	(5.8K)	[PATCH] net: fix comparisons of unsigned < 0
20	N	May 30	Bill Nottingham	(1.9K)	[PATCH] mm: fix comparisons against unsigned
21	N	May 30	Bill Nottingham	(3.4K)	[PATCH] alsa: fix comparison of unsigned < 0
22	N	May 30	Takashi Iwai	(3.6K)	↳
23	N	May 30	Jiri Slaby	(1.4K)	↳
24	N	May 30	Stefan Richter	(1.7K)	[PATCH 2.6.21.3] ieee1394: eth1394: bring back a parent device
25	N	May 30	Oleg Verych	(110)	Re: Jiffies wraparound is not treated in the schedstats
26	N	May 29	Robert Hancock	(4.0K)	[PATCH -mm] 2/2: PCI: disable decode of IO/memory during BAR siz
27	N	May 29	Robert Hancock	(8.8K)	[PATCH -mm] 1/2: MMCONFIG: validate against ACPI motherboard res
28	N	May 29	Linus Torvalds	(3.2K)	↳
29	N	May 30	Matt Keenan	(1.6K)	↳
30	N	May 29	Robert Hancock	(1.0K)	[PATCH -mm] 0/2: PCI MMCONFIG-related updates
31	N	May 29	Yinghai Lu	(0.4K)	kexec and aacraid broken
32	N	May 29	Andrew Morton	(2.9K)	↳
33	N	May 30	Salyzyn, Mark	(9.4K)	↳
34	N	May 29	Yinghai Lu	(18K)	[PATCH 4/5] serial: convert early_uart to earlycon for 8250
35	N	May 29	Yinghai Lu	(1.4K)	[PATCH 5/5] serial: set DTR in uart for kernel serial console
36	N	May 29	Yinghai Lu	(2.3K)	[PATCH 3/5] x86: initial fixmap support
37	N	May 29	Yinghai Lu	(1.0K)	[PATCH 2/5] console: console handover to preferred console
38	N	May 29	Yinghai Lu	(2.2K)	[PATCH 1/5] console: more buf for index parsing
39	N	May 30	Wang Zhenyu	(12K)	[resend] [AGPGART] intel_agp: use table for device probe
40	N	May 30	Wang Zhenyu	(19K)	[resend] [AGPGART] intel_agp: cleanup intel private data
41	N	May 30	Dave Airlie	(2.0K)	[git pull] drm fixes for 2.6.22-rc3
42	N	May 29	Matt Helsley	(8.2K)	[RFC][PATCH] Replacing the /proc/<pid/self>/exe symlink code

Intel employee contributions			
22.	Jeff Dike	233	
55.	Matthew Wilcox	141	
46.	Dan Williams	152	
93.	Len Brown	101	
108.	Bob Moore	74	
137.	Venkatesh Pallipadi	54	
142.	Auke Kok	52	
154.	Sean Hefty	47	
176.	Tony Luck	41	
191.	Kristen Accardi	36	

Intel employee contributions		
206.	Arjan van de Ven	32
234.	Suresh Siddha	27
264.	Zhang Rui	23
274.	Jesse Brandeburg	22
289.	Shannon Nelson	20
301.	Inaky Perez-Gonzalez	19
316.	Nitin Kamble	18
370.	Jason Gaston	14
441.	Fenghua Yu	11
455.	Qing He	10

Intel employee contributions

509. Peter Waskiewicz 8

595. Sheng Yang 6

638. Eric Anholt 5

638. Mohamed Abbas 5

638. Tomas Winkler 5

712. Huang Ying 4

712. Jeff Kirsher 4

712. Jesse Barnes 4

712. Dirk Hohndel 4

Signed-off-by: numbers

15.	Len Brown	781
40.	Tony Luck	280
45.	Jeff Dike	258
77.	Dan Williams	156
84.	Matthew Wilcox	142
114.	Auke Kok	100
115.	Kristen Accardi	98
139.	Venkatesh Pallipadi	74
124.	Arjan van de Ven	86
183.	Sean Hefty	46

New stuff in 2.6.25

sc26xx serial ports
dallas timekeeping chips
realtime clock devices
marvell memory controllers
nand flash interfaces
marvel flash controllers
zaurus keyboards
lifebook panel buttons
ipwireless pcmcia cards
storage device enclosures
winbond sensor chips
ti adc devices
sony memory stick cards
globe trotter wireless cards
crypto accelerator chips
xceive tuners
cirrus logic a/d converters
beholder tv tuners
syntek cameras
marvel orion soc
marvel feroceon processors
superH processor updates
Broadcom 10Gb network adaptors
rtd8180 and 8185 wireless network
microchip en28j60 ethernet chips
atheros wireless network drivers
usb printer gadget
rdc soc
onkyo sound devices
nilinx and ti codecs
realteck codecs
via codecs
SiS audio accelerators

oxygen audio chipsets
conexant codecs
fantasia sound cards
wireless RNDIS
neteffect 1/10Gb ethernet
salsa20 stream cipher support
realtime scheduler work
preempt rcu added
latencytop support
kprobes for arm
CLONE_IO flag added to clone()
idle i/o scheduler changes
ext4 new features
CAN network protocol
network traffic shaper removed
network namespace rework
Chinese translations of documentation
kobject/kset rework and cleanup
LSM mount/umount operations
sg_table addition
block request completion API changed
alsa sequencer removed
selinux updates
netfilter hashlimit mechanism added
flow network classifier
pci hotplug not experimental
futex added bitset wait
virtio balloon
kvm pci driver
timerfd() syscall is back
page map patches
PM QOS
per-process capability bounding sets

SMACK LSM added
smbfs deprecated
x86 merge continues
flatmem and discontigmem removed
ticket spinlock
fastcall removed for x86
bidirectional scsi commands
TASK_KILLABLE added
early boot for firewire
hires timers
more disk I/O stats
s390 can do dynamic page tables
dma_parameters added to struct device
intel video driver updates
amd vide driver updates
oss sound drivers removed
inotify_init() support signals
memory use controller for containers
acpi thermal regulation
acpi dsdt override
xfs supports fallocate()
multipath AoE
MN10300 arch merge
a.out support removed from ELF loader
ext4 development flag
nopage() replaced with fault()
BKL removals
generic resource counter
reserve_bootmem() new flags
new string functions
x86 page manipulation functions
sunrpc and USB gpl-only
kobject sample code and documentation

