

# Linux Kernel Development

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[github.com/gregkh/kernel-development](https://github.com/gregkh/kernel-development)

**37,617 files**  
**14,998,000 lines**

3,160 developers  
439 companies

12,300 lines added

8,800 lines removed

2,300 lines modified

12,300 lines added  
8,800 lines removed  
2,300 lines modified  
  
per day for all of 2011


# 5.77 changes per hour

Kernel releases 2.6.37 – 3.2.0  
January 2011 – January 2012

# How we stay sane

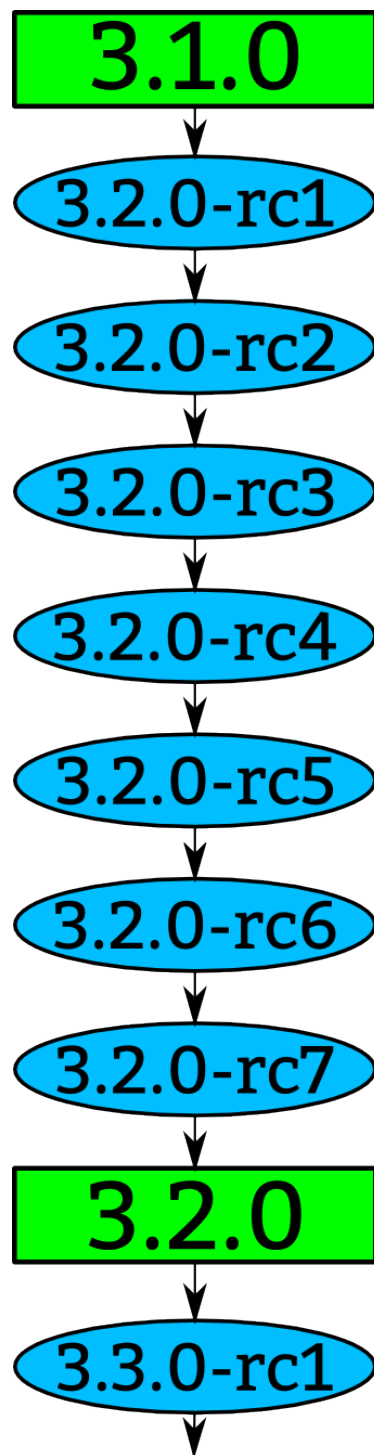
## Time based releases

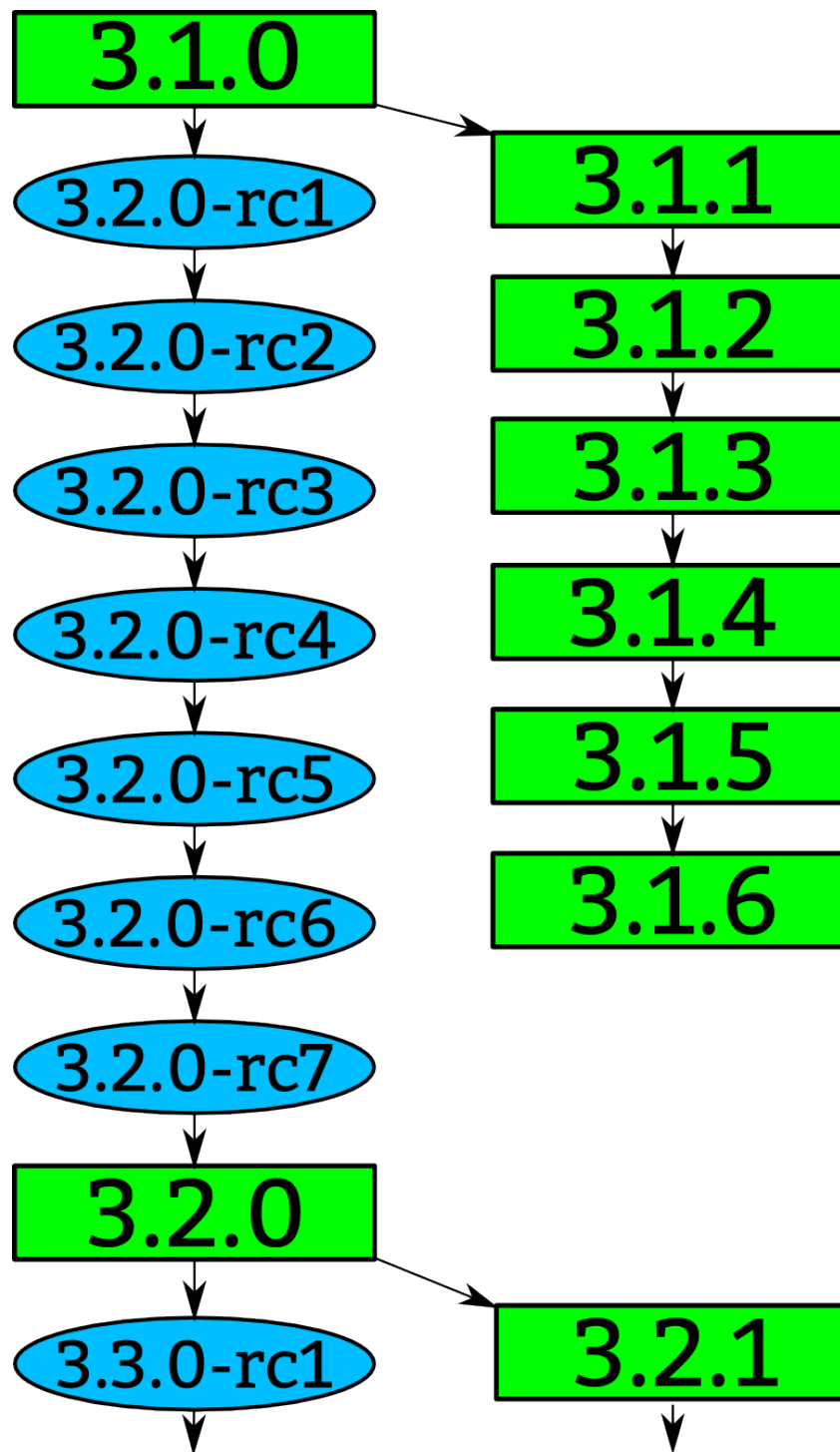
## Incremental changes



**New release every  
2<sup>3</sup>/<sub>4</sub> months**







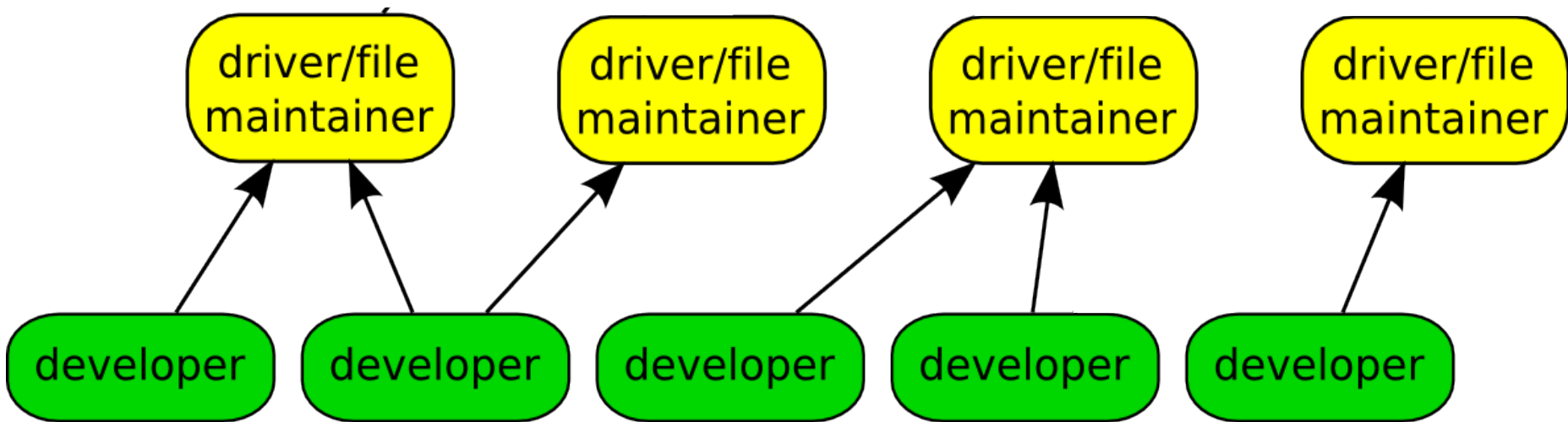
developer

developer

developer

developer

developer



commit ecf85e481a716cfe07406439fdc7ba9526bbfaeb  
Author: Robert Jarzmik <robert.jarzmik@free.fr>  
AuthorDate: Tue Apr 21 20:33:10 2009 -0700  
Commit: Greg Kroah-Hartman <gregkh@suse.de>  
CommitDate: Thu Apr 23 14:15:31 2009 -0700

USB: otg: Fix bug on remove path without transceiver

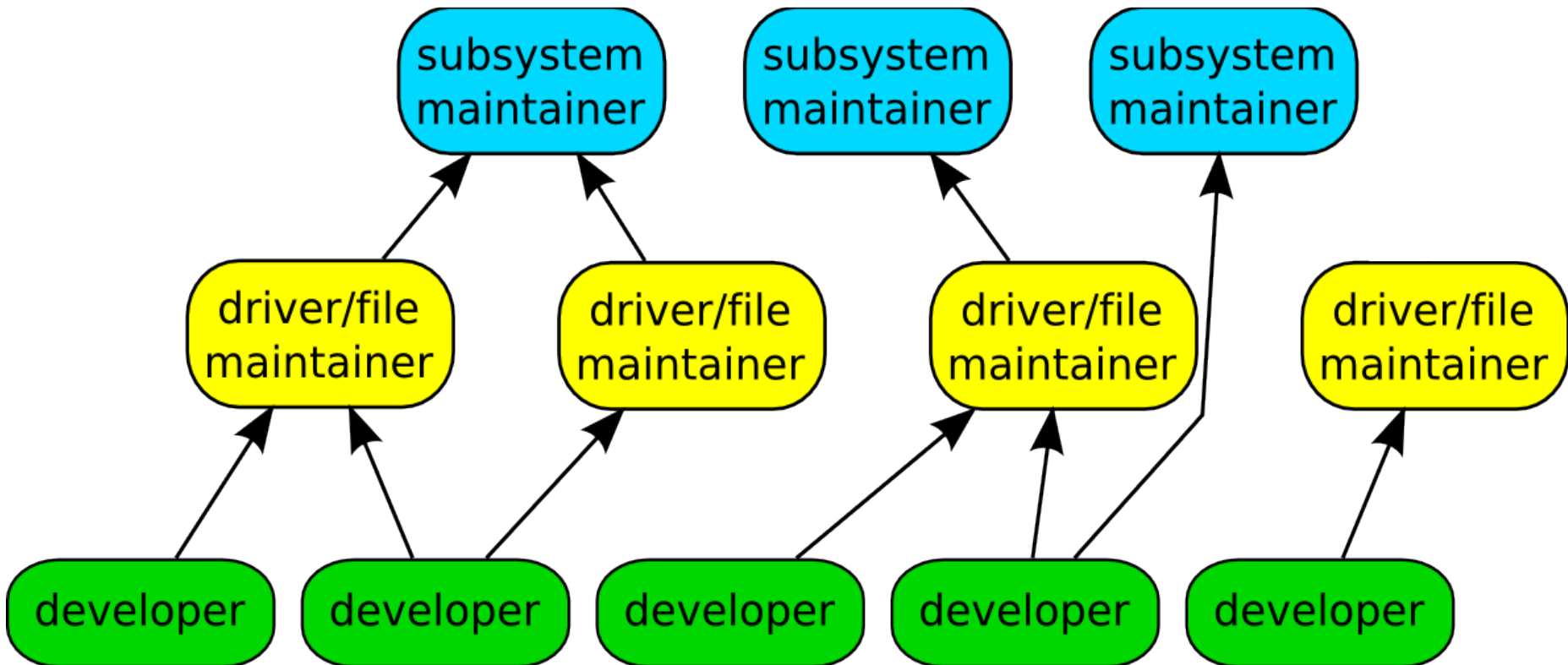
In the case where a gadget driver is removed while no transceiver was found at probe time, a bug in otg\_put\_transceiver() will trigger.

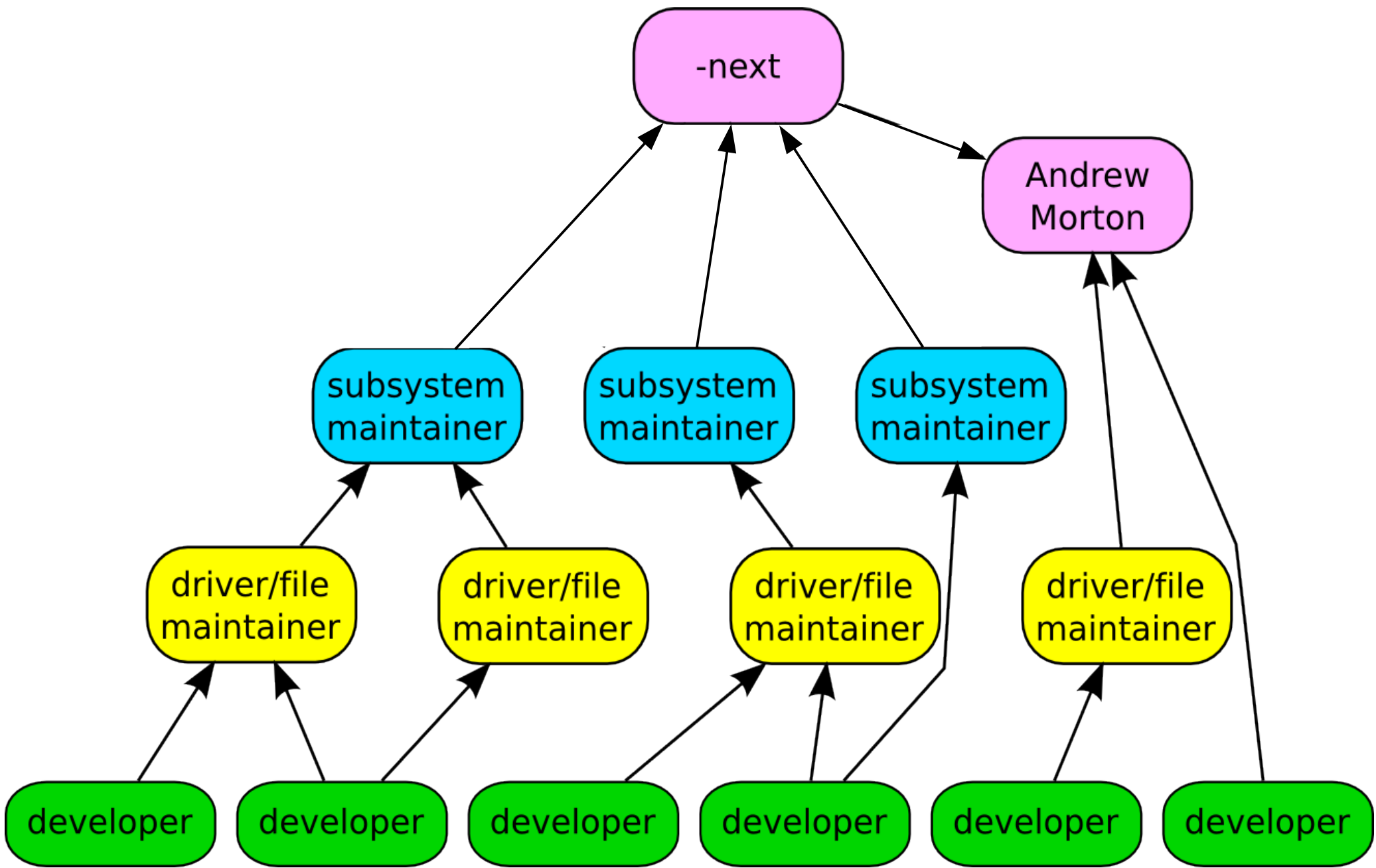
Signed-off-by: Robert Jarzmik <robert.jarzmik@free.fr>  
Acked-by: David Brownell <dbrownell@users.sourceforge.net>  
Signed-off-by: Greg Kroah-Hartman <gregkh@suse.de>

```
--- a/drivers/usb/otg/otg.c
+++ b/drivers/usb/otg/otg.c
@@ -43,7 +43,8 @@ EXPORT_SYMBOL(otg_get_transceiver);
 void otg_put_transceiver(struct otg_transceiver *x)
 {
-    put_device(x->dev);
+    if (x)
+        put_device(x->dev);
 }
```

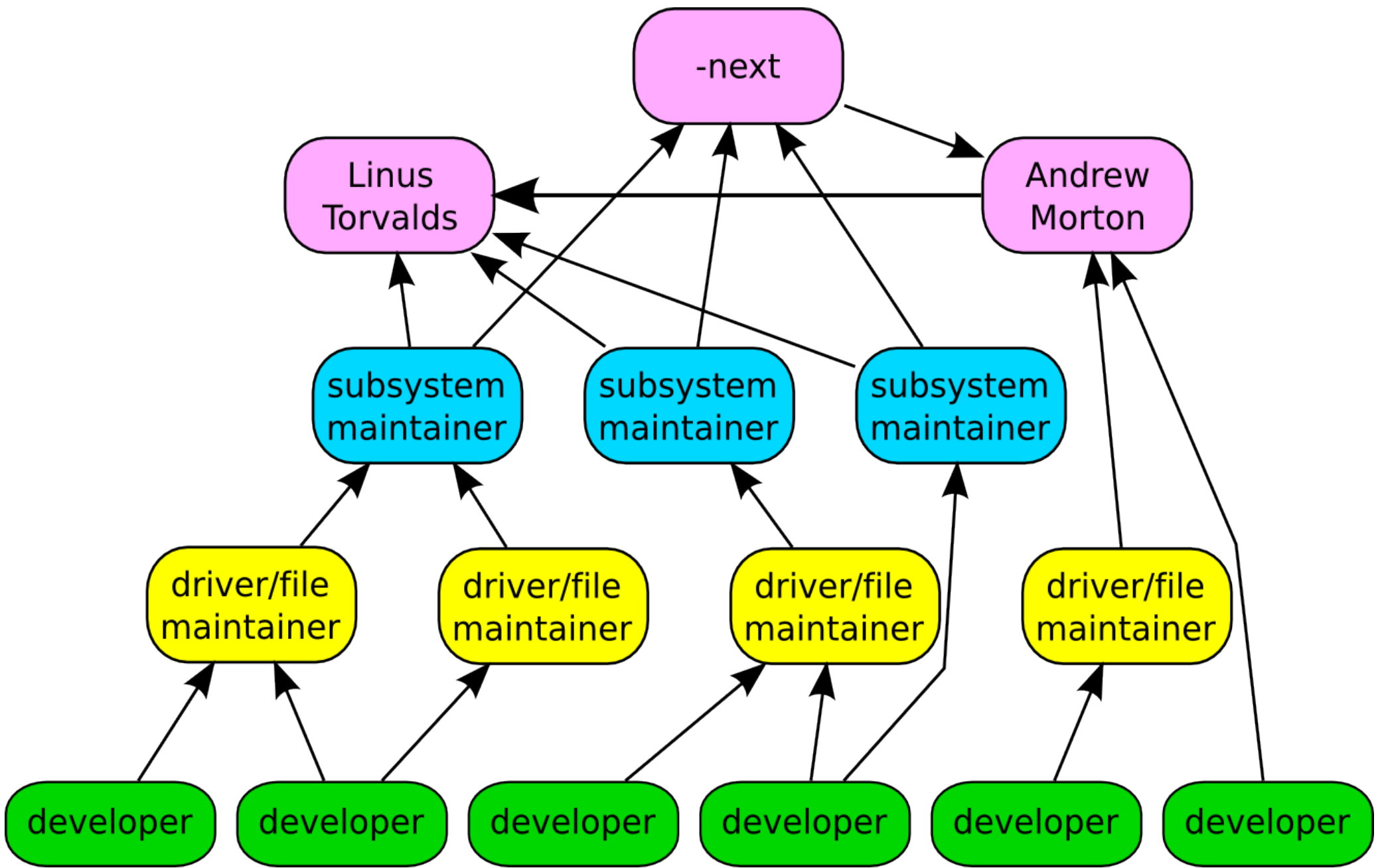
# Developer's Certificate of Origin

- (a) I created this change; or
- (b) Based this on a previous work with a compatible license; or
- (c) Provided to me by (a), (b), or (c) and not modified
- (d) This contribution is public.









# Top developers by quantity

Mark Brown	743
Thomas Gleixner	643
K. Y. Srinivasan	588
David Miller	533
Joe Perches	493
Axel Lin	444
Al Viro	426
Russell King	426
Takashi Iwai	409
Ben Skeggs	408

# QCA developers by quantity

62.	Rajkumar Manoharan	177
74.	Luis Rodriguez	162
82.	Vasanthakumar Thiagarajan	151
123.	Sujith Manoharan	113
163.	Mohammed Shajakhan	87
225.	Jouni Malinen	66
256.	Kalle Valo	57
398.	Senthil Balasubramanian	35
426.	Vivek Natarajan	31
524.	Vipin Mehta	23
909.	Naveen Singh	9
1658.	Ruiyi Zhang	2
1658.	Bala Shanmugam	2
1658.	Suraj Sumangala	2
2030.	Haijun Lui	1

Kernel releases 2.6.37 – 3.2.0

# Top Signed-off-by:

Greg Kroah-Hartman 6989

David S. Miller 5246

John Linville 3616

Mauro Carvalho Chehab 2976

Linus Torvalds 2639

Andrew Morton 2107

Mark Brown 1995

James Bottomley 1284

Takashi Iwai 1148

Ingo Molnar 1098

# Who is funding this work?



1. “Amateurs”	15.9%
2. Red Hat	10.3%
3. Intel	7.3%
4. Unknown Individuals	4.4%
5. Novell	4.0%
6. IBM	3.6%
7. Texas Instruments	3.4%
8. Broadcom	2.9%
9. Consultants	2.4%
10. Nokia	1.8%



# Who is funding this work?

15. QCA 918

...

29. Marvell 424

36. Code Aurora Forum 308

83. Cavium 75

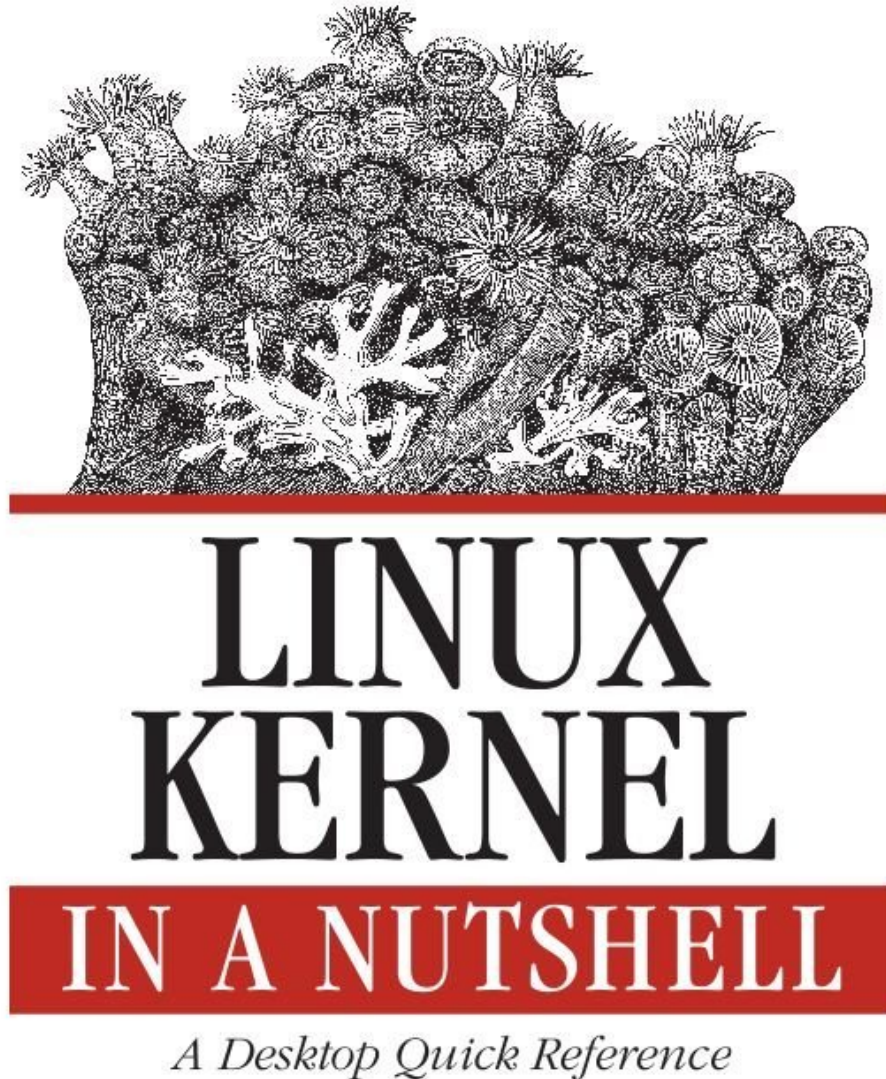
99. Realtek 52

165. Ralink 14

# Getting involved

Run the `kernel.org` release on your machine

# Getting involved





# Getting involved

**Documentation/HOWTO**

**Documentation/development-process**

# Getting involved

[kernelnewbies.org](http://kernelnewbies.org)



# Getting involved

Google “write your first kernel patch”

# Getting involved

[kernelnewbies.org/KernelJanitors/ToDo](https://kernelnewbies.org/KernelJanitors/ToDo)

# Getting involved

Linux Driver Project

`drivers/staging/*/TODO`



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