

Linux Kernel Development

Greg Kroah-Hartman
gregkh@linuxfoundation.org

github.com/gregkh/kernel-development

38,566 files
15,384,000 lines

2,833 developers
373 companies

10,500 lines added

8,400 lines removed

2,300 lines modified

10,500 lines added

8,400 lines removed

2,300 lines modified


5.79 changes per hour

Kernel releases 3.0.0 – 3.4.0
May 2011 – May 2012

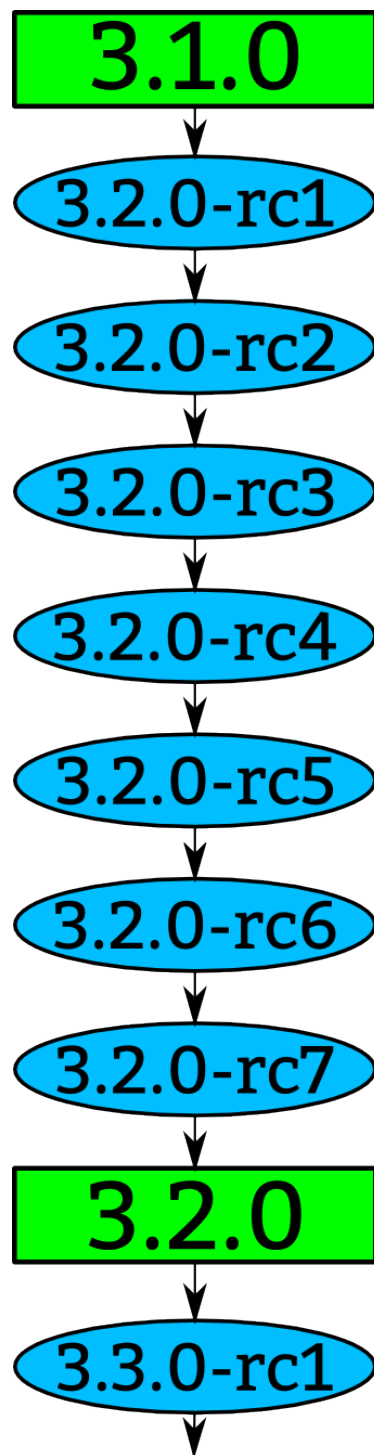
How we stay sane

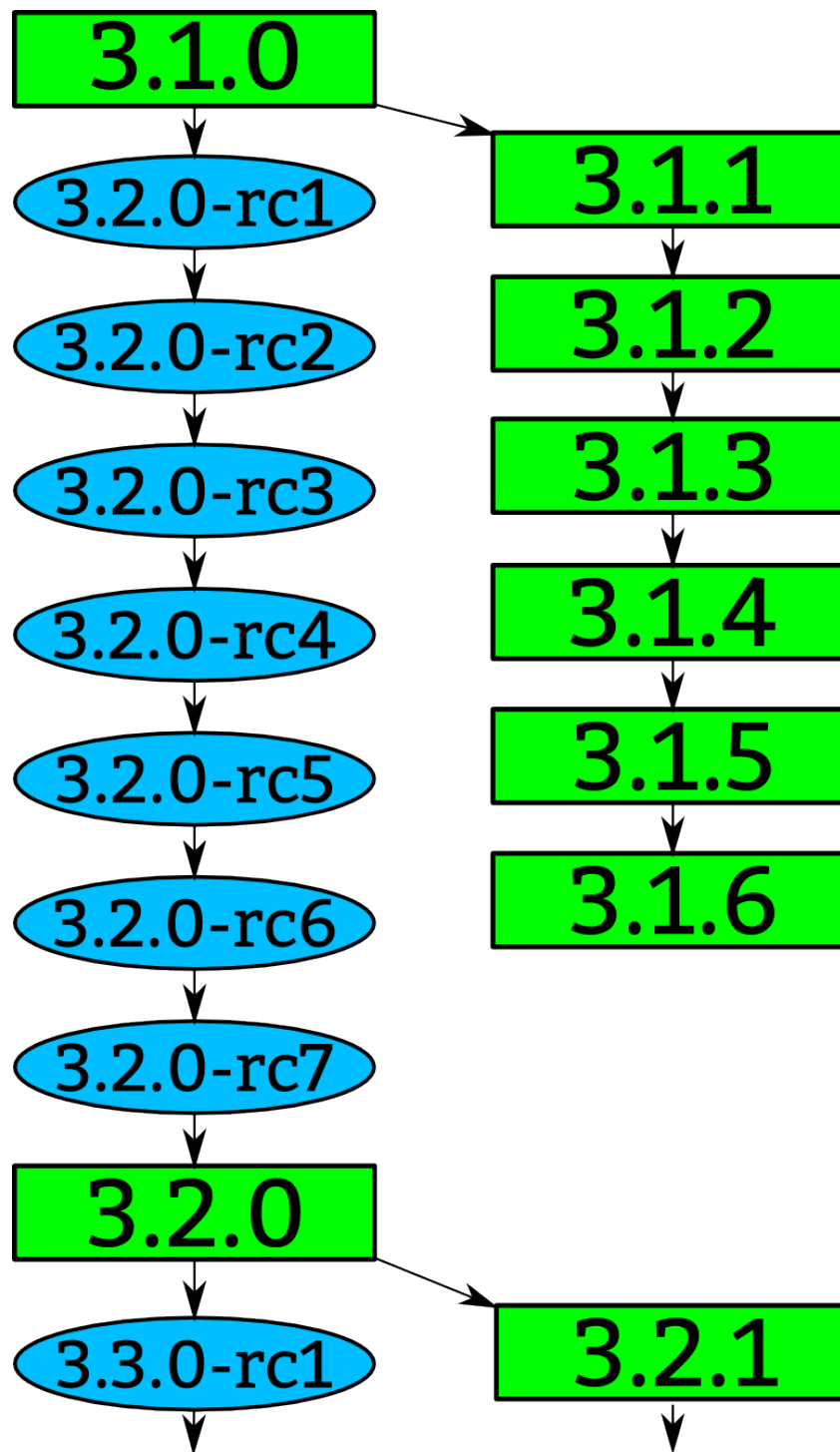
Time based releases

Incremental changes



**New release every
2³/₄ months**





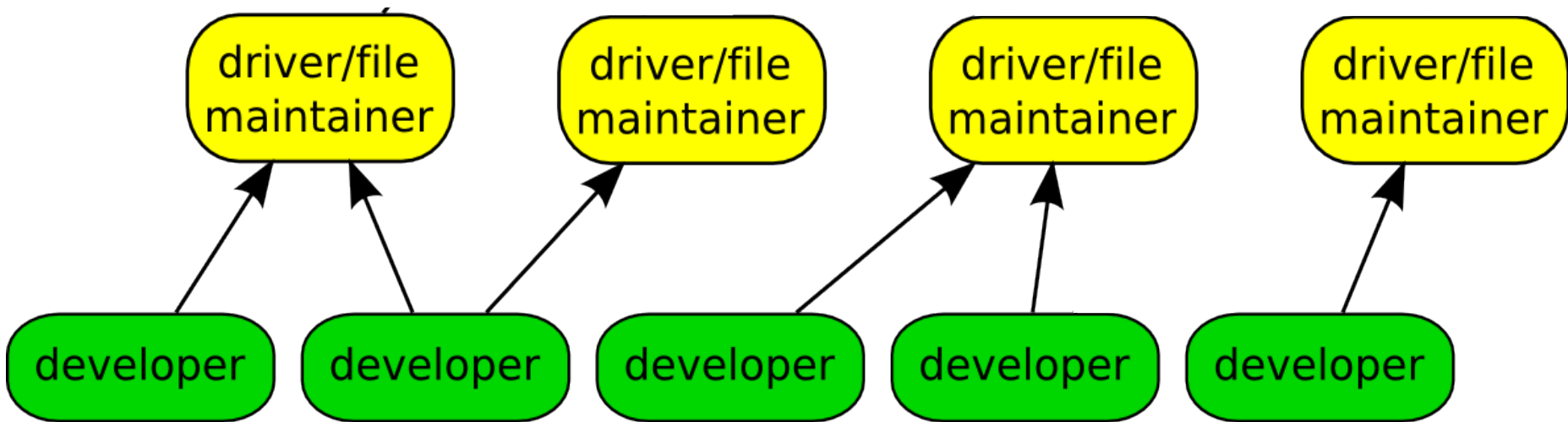
developer

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

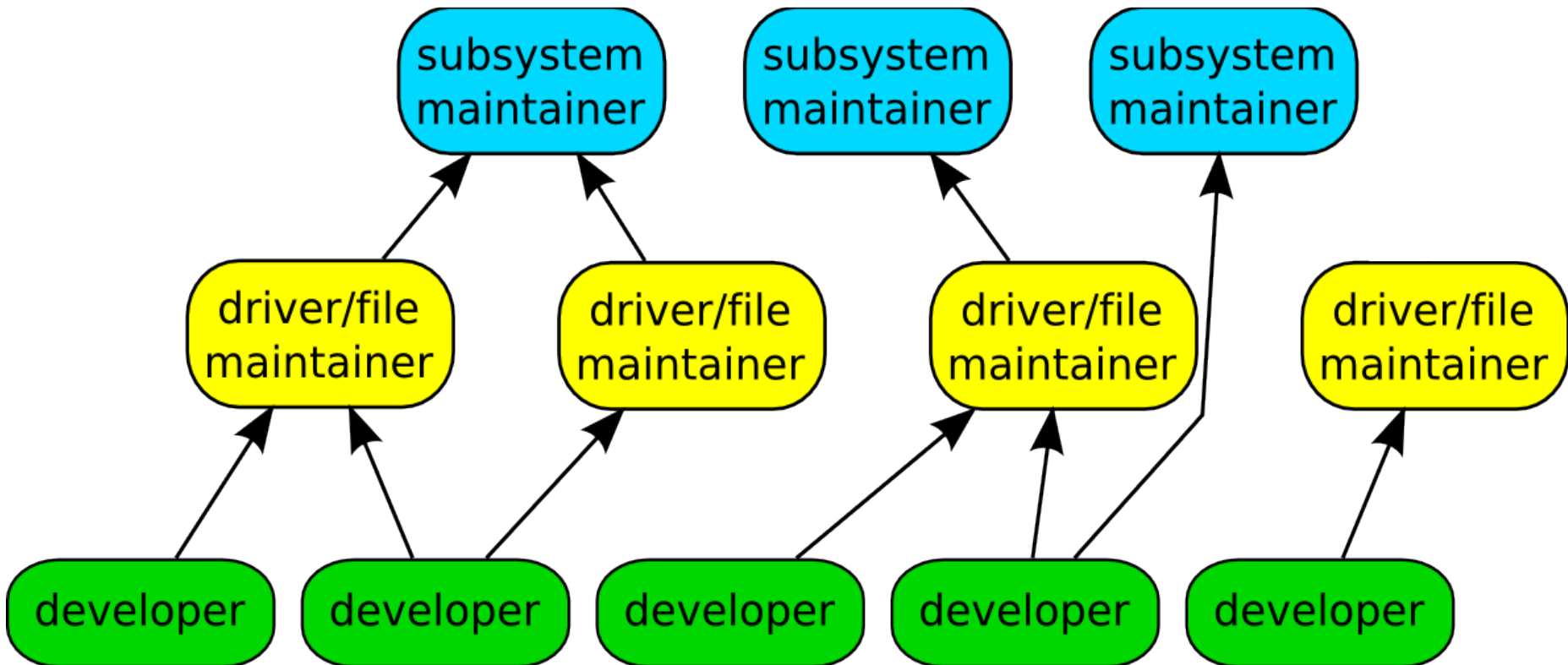
In the case where a gadget driver is removed while no transceiver was found at probe time, a bug in otg_put_transceiver() will trigger.

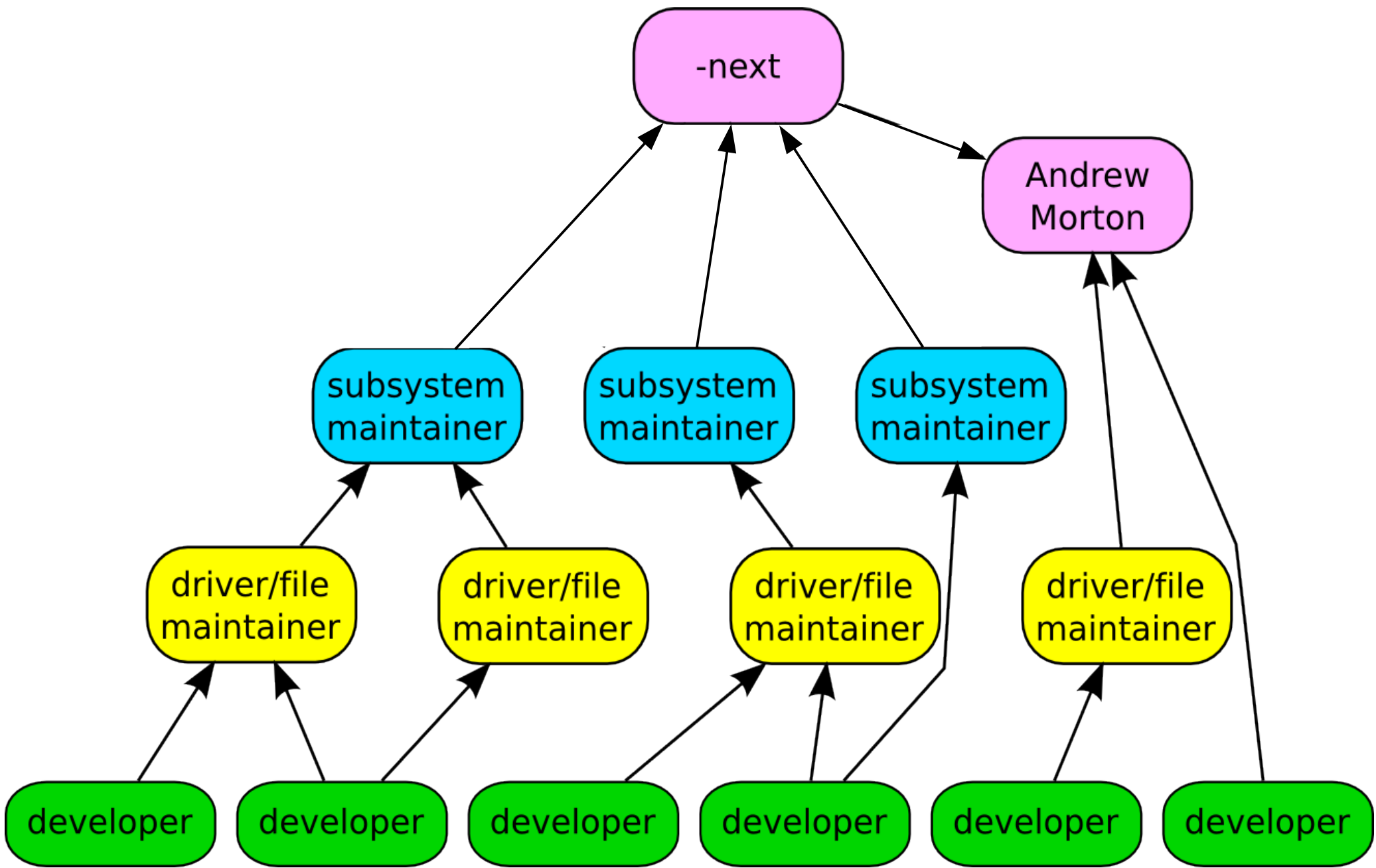
Signed-off-by: Robert Jarzmik <robert.jarzmik@free.fr>
Acked-by: David Brownell <dbrownell@users.sourceforge.net>
Signed-off-by: Greg Kroah-Hartman <gregkh@suse.de>

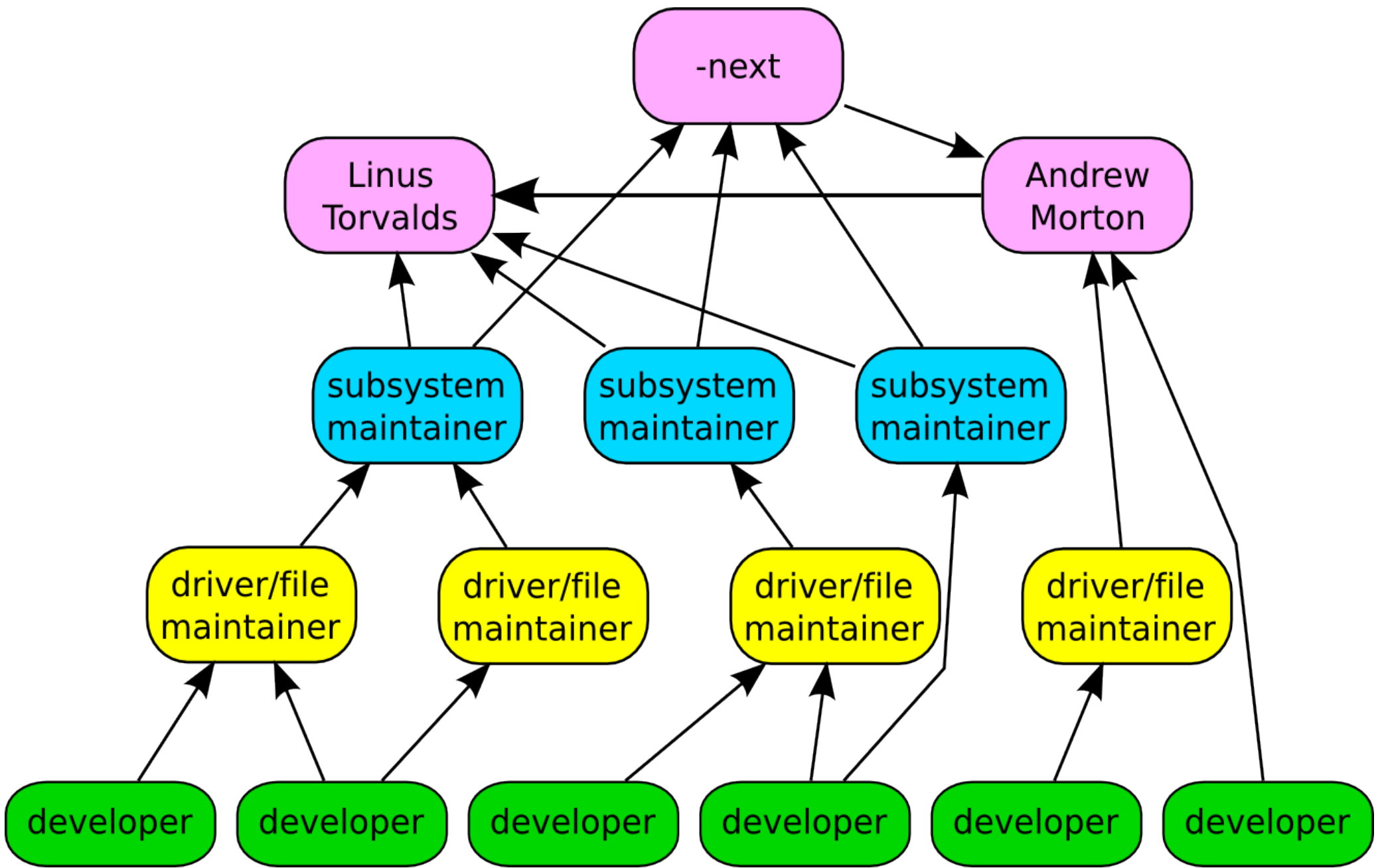
```
--- a/drivers/usb/otg/otg.c
+++ b/drivers/usb/otg/otg.c
@@ -43,7 +43,8 @@ EXPORT_SYMBOL(otg_get_transceiver);
 void otg_put_transceiver(struct otg_transceiver *x)
 {
-    put_device(x->dev);
+    if (x)
+        put_device(x->dev);
 }
```

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

1026	Mark Brown
723	Axel Lin
626	K. Y. Srinivasan
607	Al Viro
517	Takashi Iwai
507	Mauro Chehab
419	Russell King
469	Johannes Berg
405	Ben Skeggs
396	Jonathan Cameron

Kernel releases 3.0.0 – 3.4.0

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

Top Signed-off-by:

Greg Kroah-Hartman 4767

David S. Miller 3857

John Linville 3252

Mauro Carvalho Chehab 2412

Mark Brown 2230

Linus Torvalds 1984

Andrew Morton 1573

James Bottomley 1089

Takashi Iwai 953

Russell King 930

Kernel releases 3.0.0 – 3.4.0

Who is funding this work?



1. “Amateurs”	14.2%
2. Red Hat	10.1%
3. Intel	8.6%
4. Unknown Individuals	5.2%
5. Novell	4.0%
6. IBM	3.7%
7. Texas Instruments	3.6%
8. Broadcom	3.0%
9. Consultants	2.3%
10. Wolfson Micro	2.1%

Who is funding this work?



11. Samsung	1.9%
12. Google	1.8%
13. Oracle	1.7%
14. Freescale	1.5%
15. MiTAC	1.4%
16. Qualcomm	1.4%
17. Microsoft	1.3%
18. Linaro	1.2%
19. Nokia	1.2%
20. AMD	1.1%

Who is funding this work?

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27. Marvell	369
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28. Renesas	364
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29. Nvidia	344
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...

38. Atheros	259
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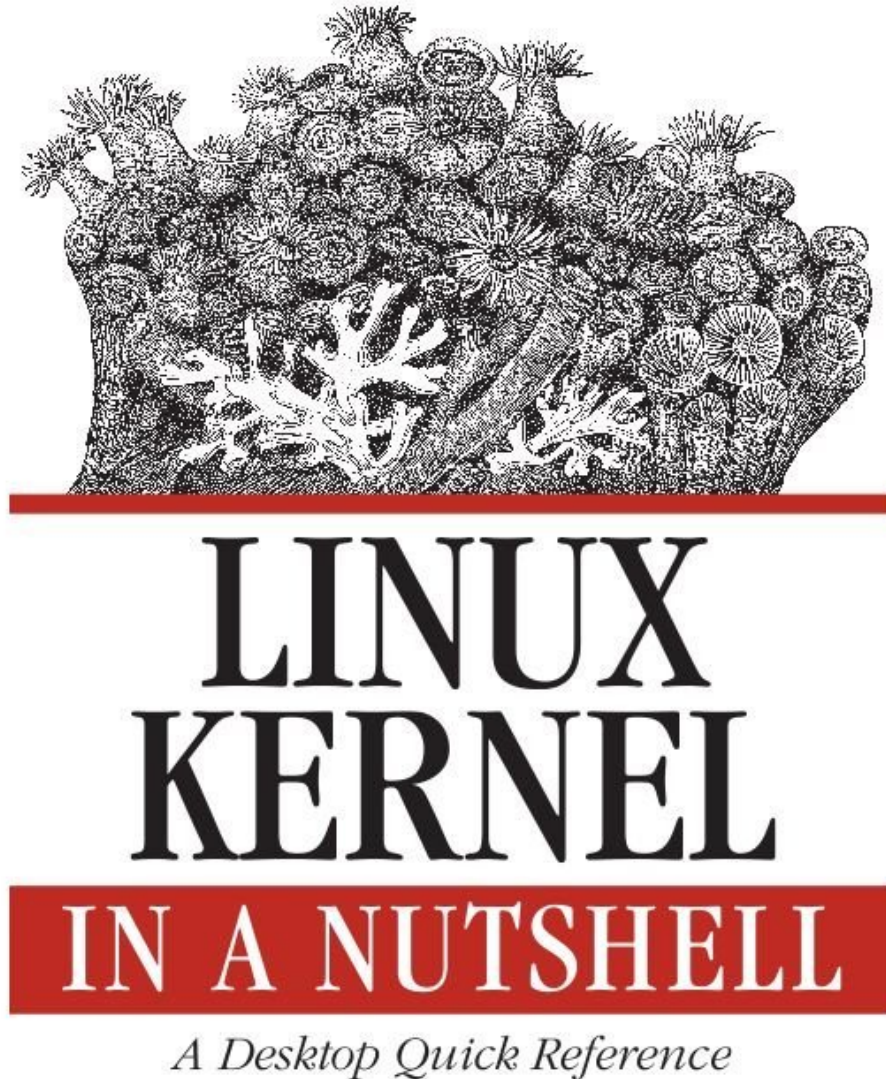
...

42. Code Aurora Forum	208
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Getting involved

Run the `kernel.org` release on your machine

Getting involved



Getting involved

Documentation/HOWTO

Documentation/development-process

Getting involved

kernelnewbies.org



Getting involved

Google “write your first kernel patch”

Getting involved

kernelnewbies.org/KernelJanitors/ToDo

Getting involved

Linux Driver Project

`drivers/staging/*/TODO`



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