

Linux Kernel Development

Greg Kroah-Hartman
gregkh@linux.com

37,617 files
14,998,000 lines

2,823 developers
379 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

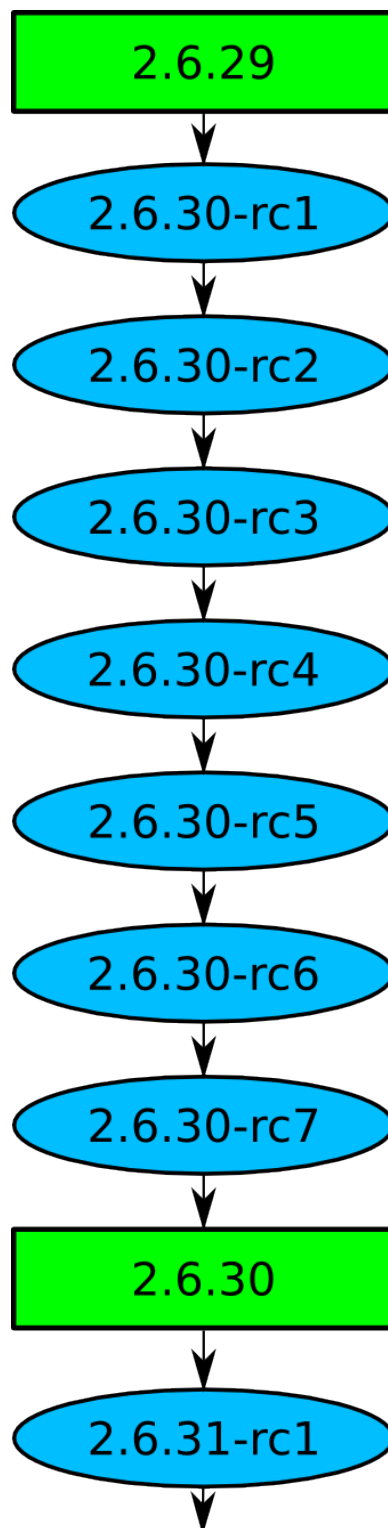
per day for all of 2011

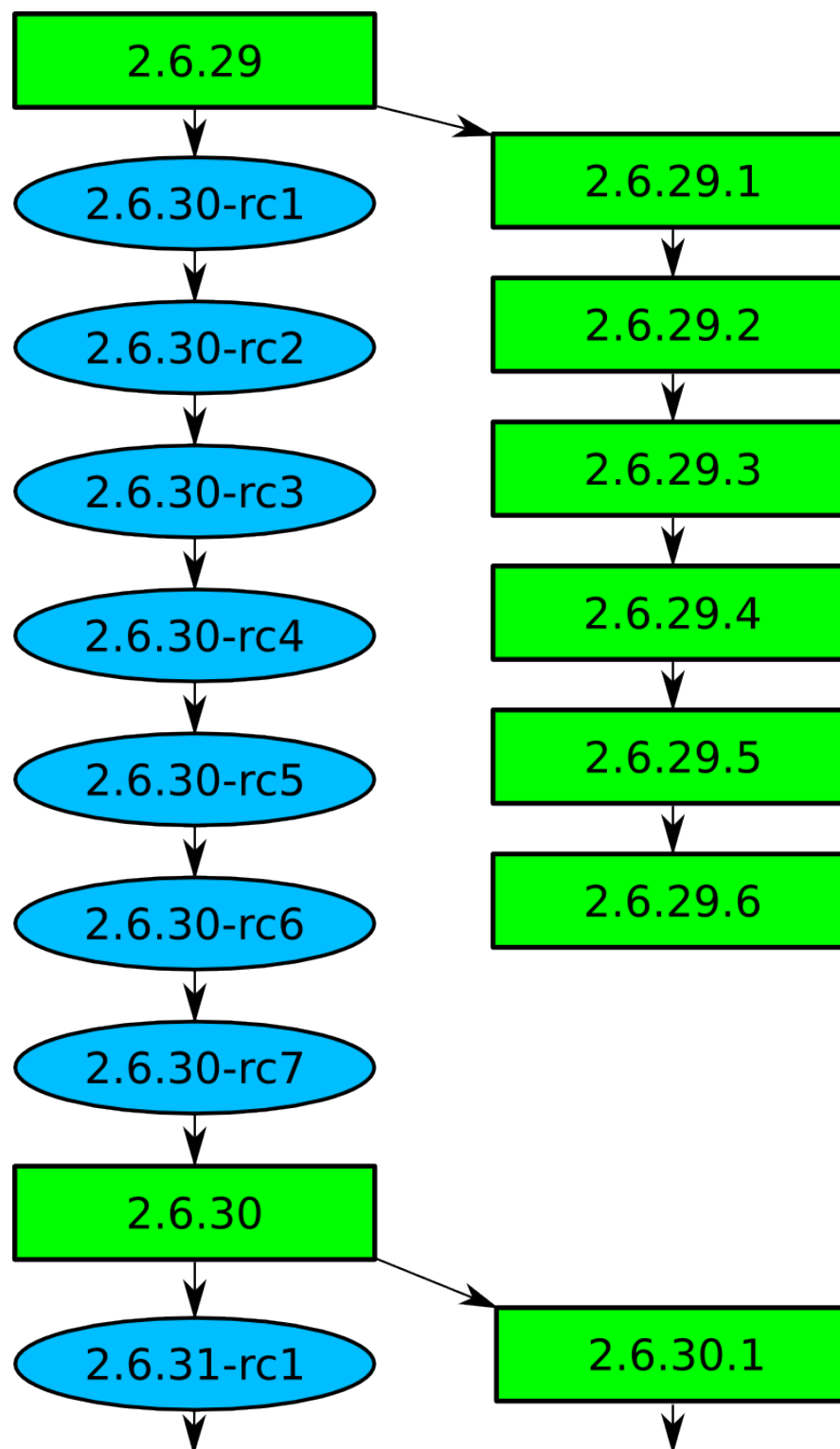
5.77 changes per hour

Kernel releases 2.6.37 – 3.2.0
January 2011 – January 2012



**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

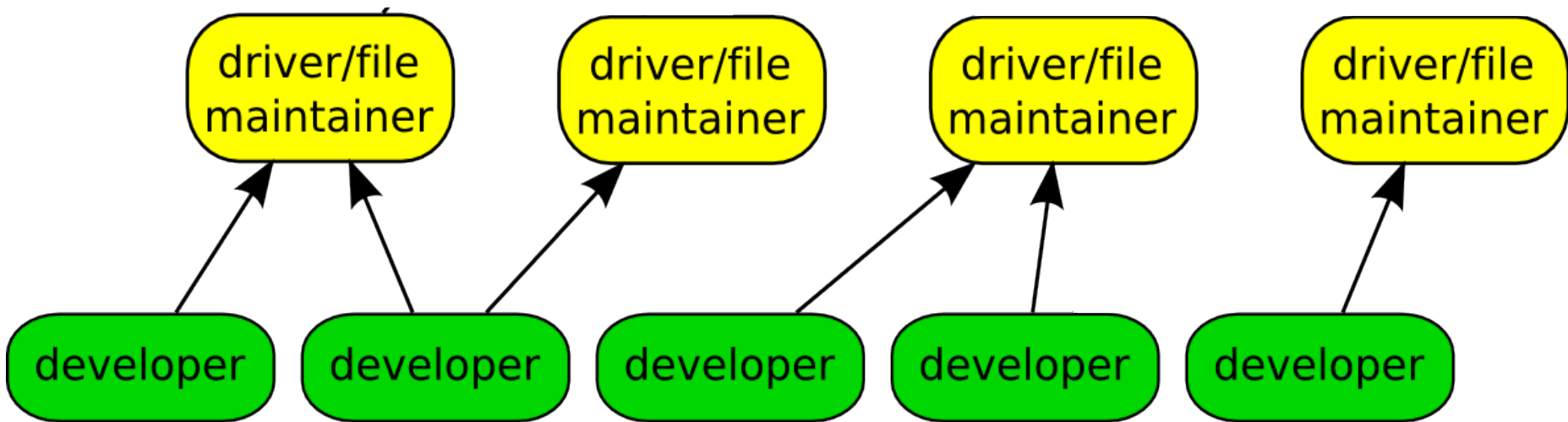
In the case where a gadget driver is removed while no transceiver was found at probe time, a bug in otg_put_transceiver() will trigger.

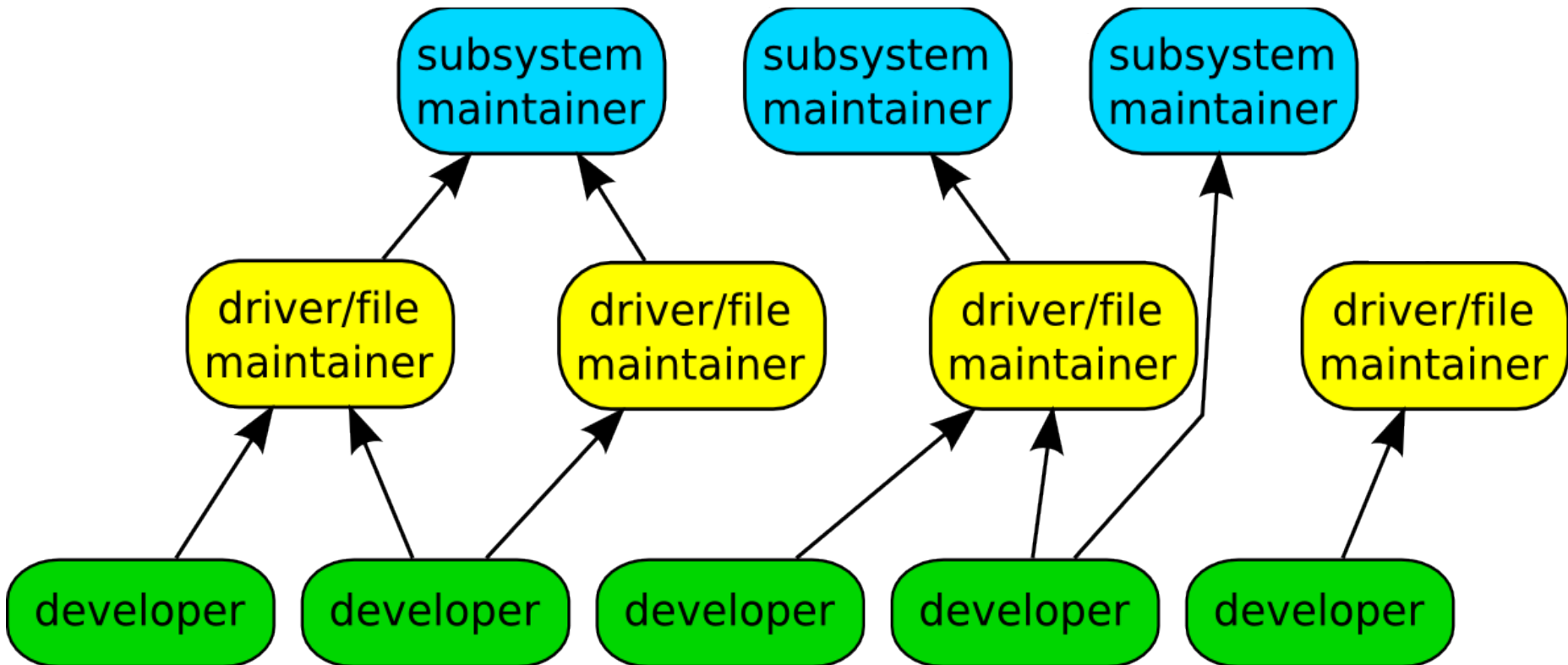
Signed-off-by: Robert Jarzmik <robert.jarzmik@free.fr>
Acked-by: David Brownell <dbrownell@users.sourceforge.net>
Signed-off-by: Greg Kroah-Hartman <gregkh@suse.de>

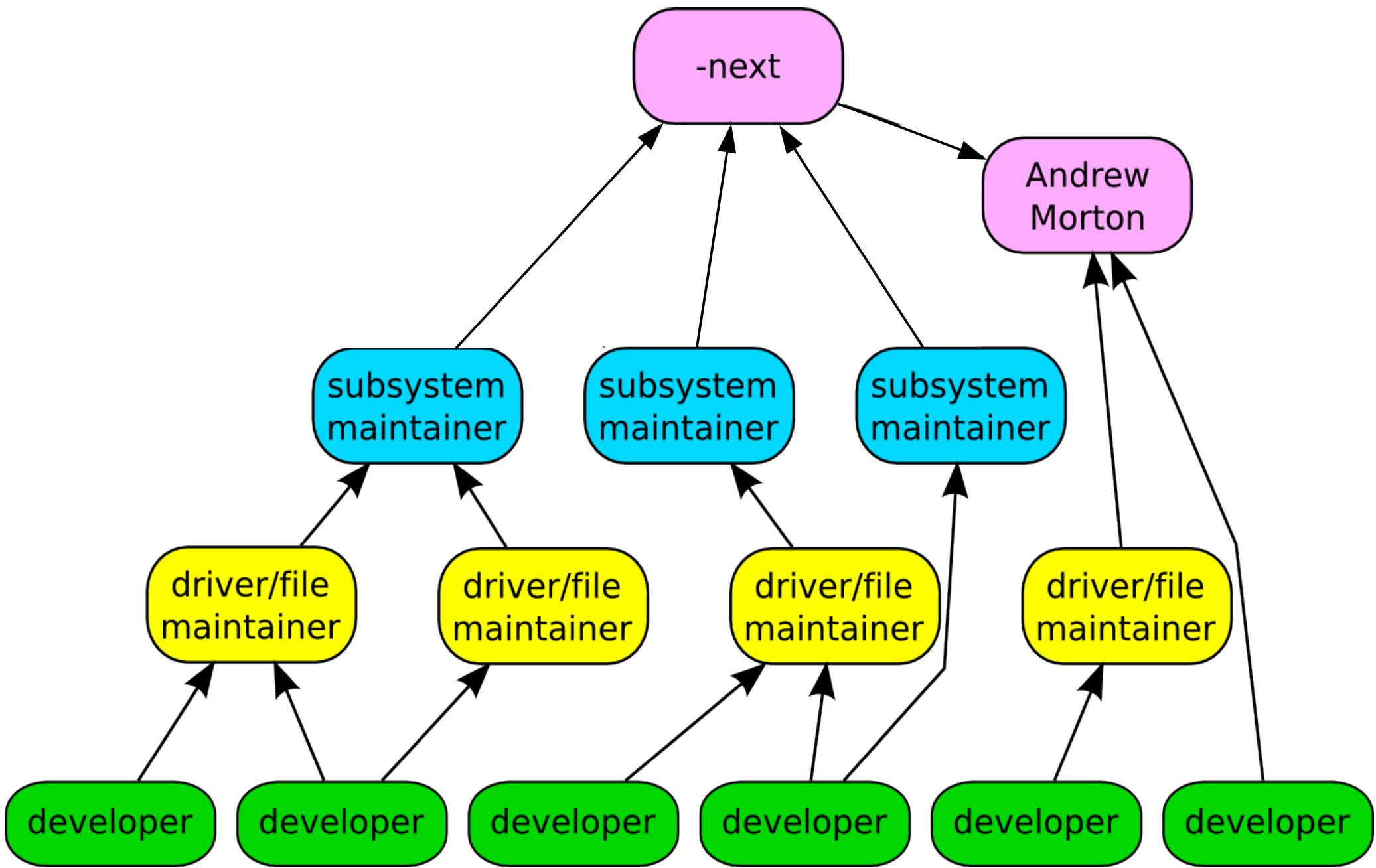
```
--- a/drivers/usb/otg/otg.c
+++ b/drivers/usb/otg/otg.c
@@ -43,7 +43,8 @@ EXPORT_SYMBOL(otg_get_transceiver);
 void otg_put_transceiver(struct otg_transceiver *x)
 {
-    put_device(x->dev);
+    if (x)
+        put_device(x->dev);
 }
```

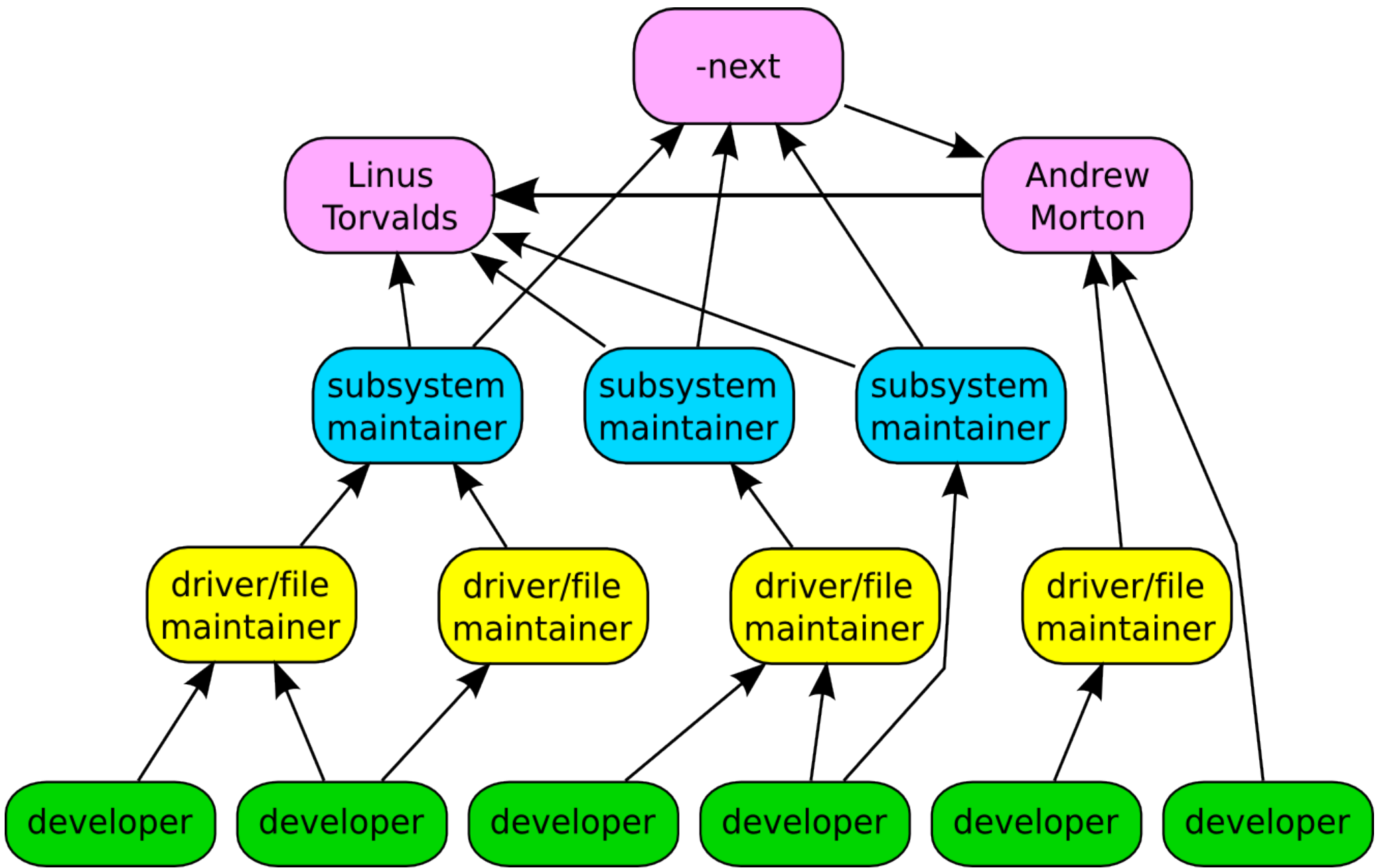
Developer's Certificate of Origin

- (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

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

Top Signed-off-by:

Greg Kroah-Hartman 5807

David S. Miller 4047

John Linville 3024

Mauro Carvalho Chehab 2237

Linus Torvalds 2120

Mark Brown 1704

Andrew Morton 1642

James Bottomley 1110

Takashi Iwai 957

Russell King 934

Kernel releases 2.6.37 – 3.2.0

Who is funding this work?

- 1.
2. Red Hat 10.3%
3. Intel 7.3%
- 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?



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%

Getting involved

Getting involved

Documentation/HOWTO

Documentation/development-process

Getting involved

kernelnewbies.org



Getting involved

Linux Driver Project

`drivers/staging/*/TODO`



Kernel development changes

17 years ago...

Linux 2.0.0

4 months later:

Linux 2.1.0

Linux branches

Even number stable

Odd number development

848 days and 141 releases later...

Linux 2.2.0

4 months later:

Linux 2.3.0

604 days and 58 releases later...

Linux 2.4.0

10 months later:

Linux 2.5.0

1057 days and 86 releases later...

Linux 2.6.0

2796 days and 39 releases later...

Linux 3.0.0