

Linux Kernel Development model

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37,085 files
14,770,000 lines

2,889 developers
358 companies

9,600 lines added

6,700 lines removed

2,100 lines modified

9,600 lines added
6,700 lines removed
2,100 lines modified

per day for all of 2011

5.44 changes per hour

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:

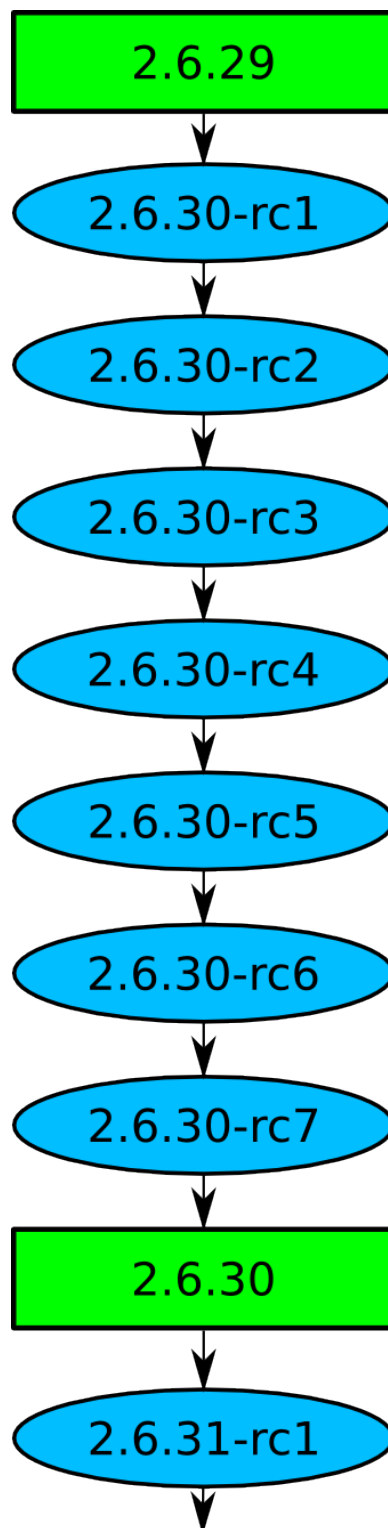
Linux 2.5.0

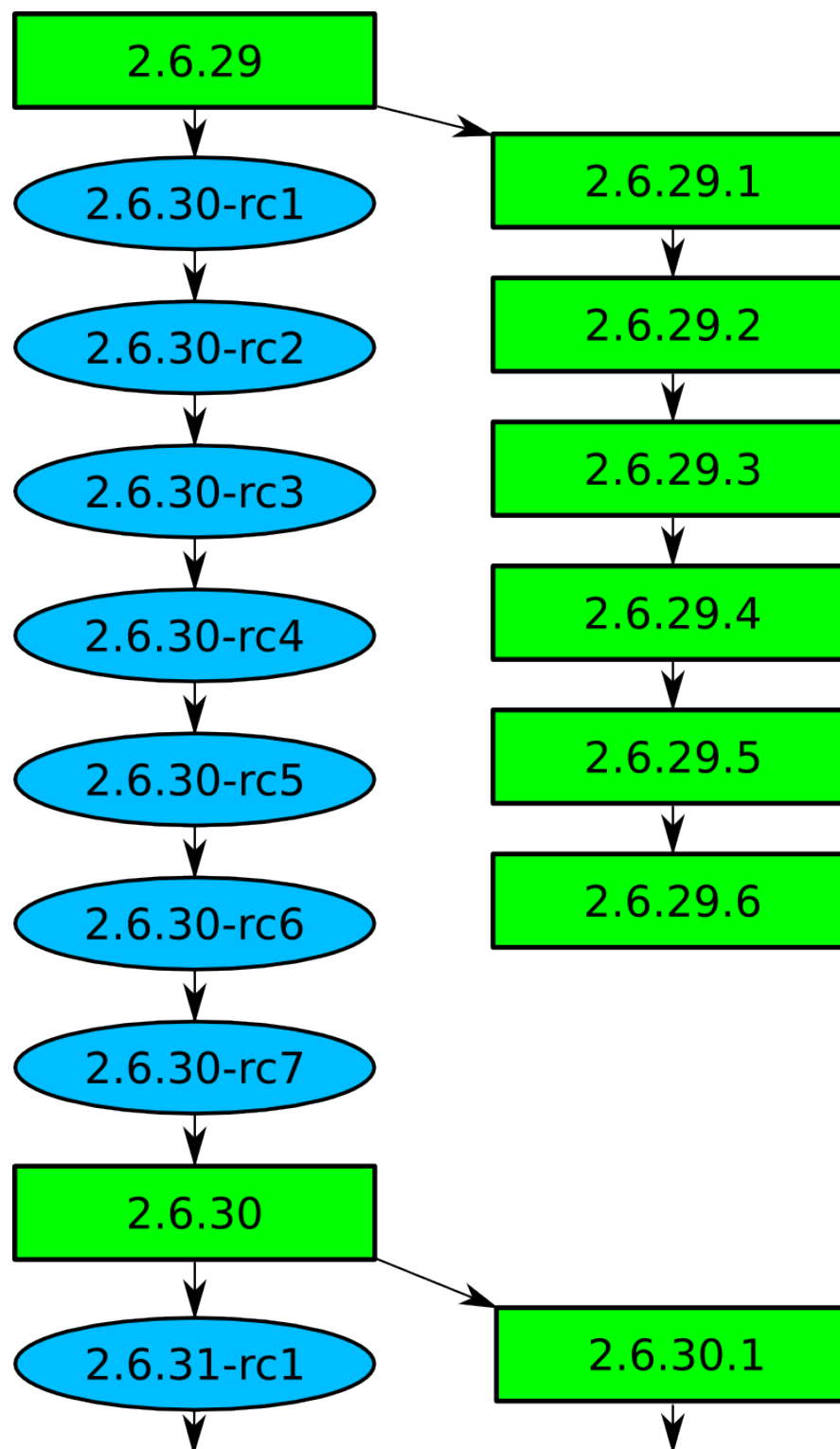
1057 days and 86 releases later...

Linux 2.6.0



**New release every
 $2\frac{3}{4}$ months**





2796 days and 39 releases later...

Linux 3.0.0

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

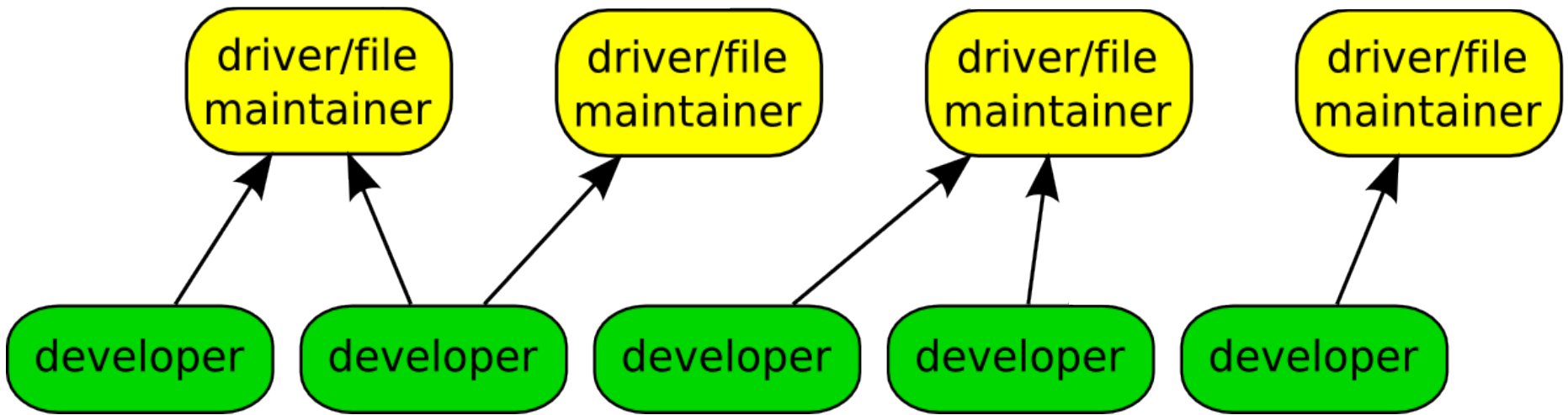
In the case where a gadget driver is removed while no transceiver was found at probe time, a bug in otg_put_transceiver() will trigger.

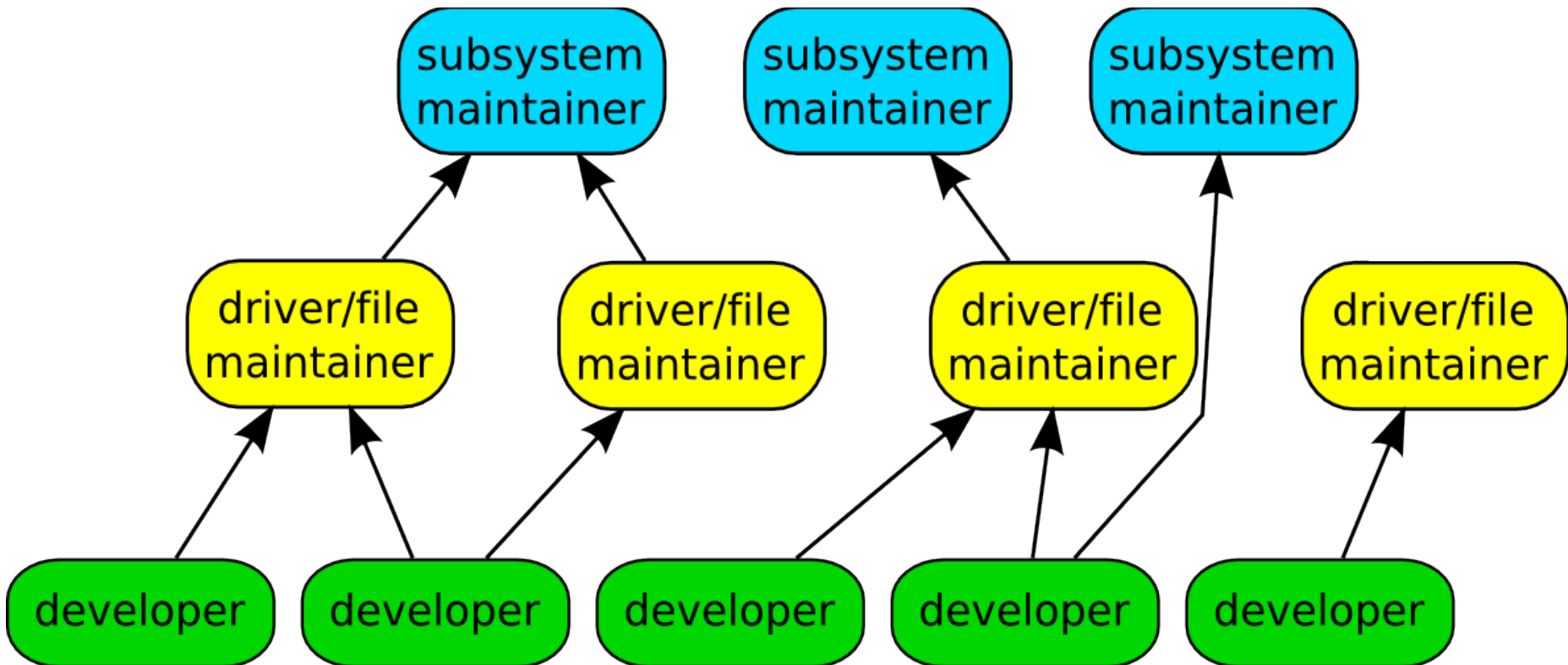
Signed-off-by: Robert Jarzmik <robert.jarzmik@free.fr>
Acked-by: David Brownell <dbrownell@users.sourceforge.net>
Signed-off-by: Greg Kroah-Hartman <gregkh@suse.de>

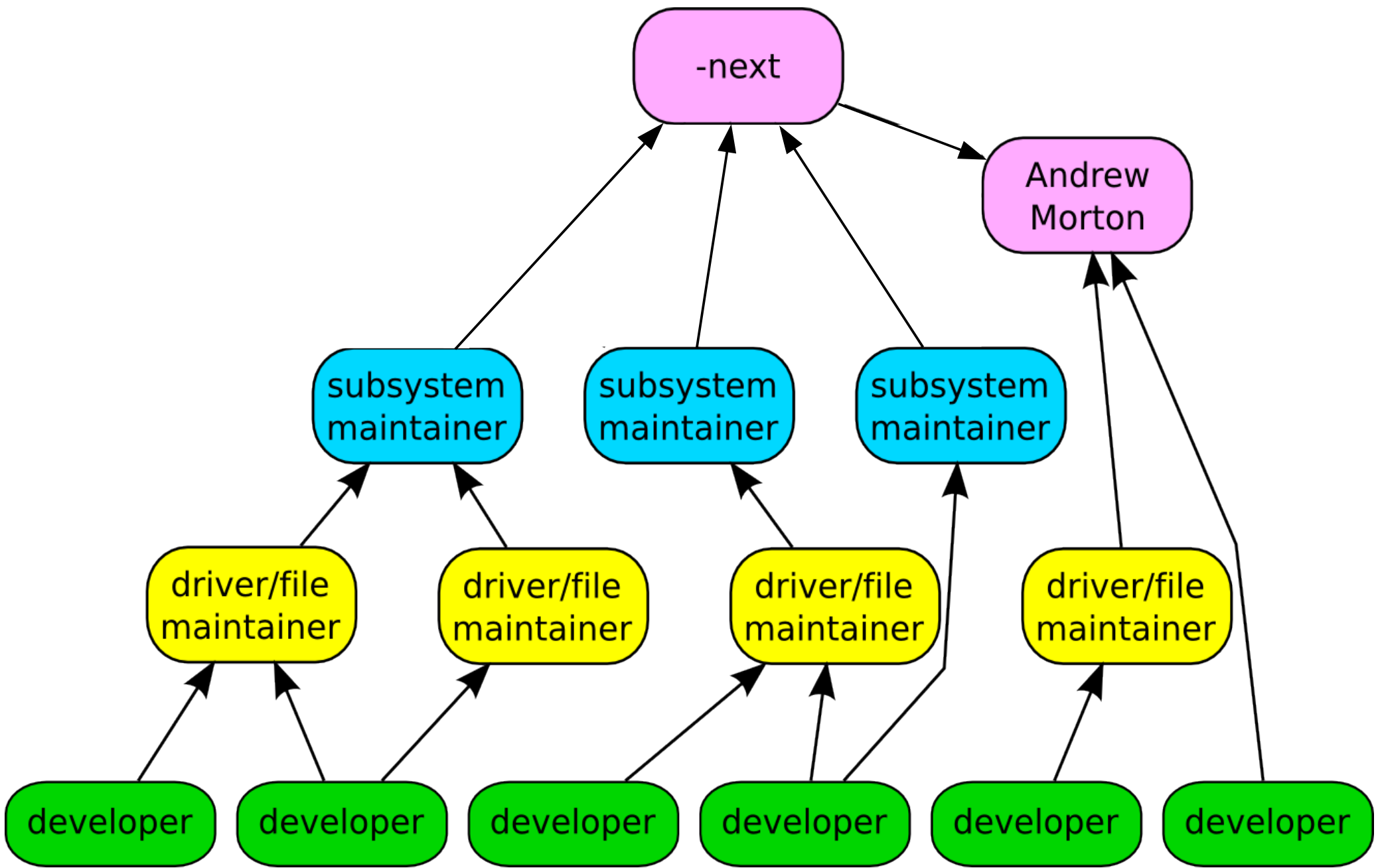
```
--- a/drivers/usb/otg/otg.c
+++ b/drivers/usb/otg/otg.c
@@ -43,7 +43,8 @@ EXPORT_SYMBOL(otg_get_transceiver);
 void otg_put_transceiver(struct otg_transceiver *x)
 {
-    put_device(x->dev);
+    if (x)
+        put_device(x->dev);
 }
```

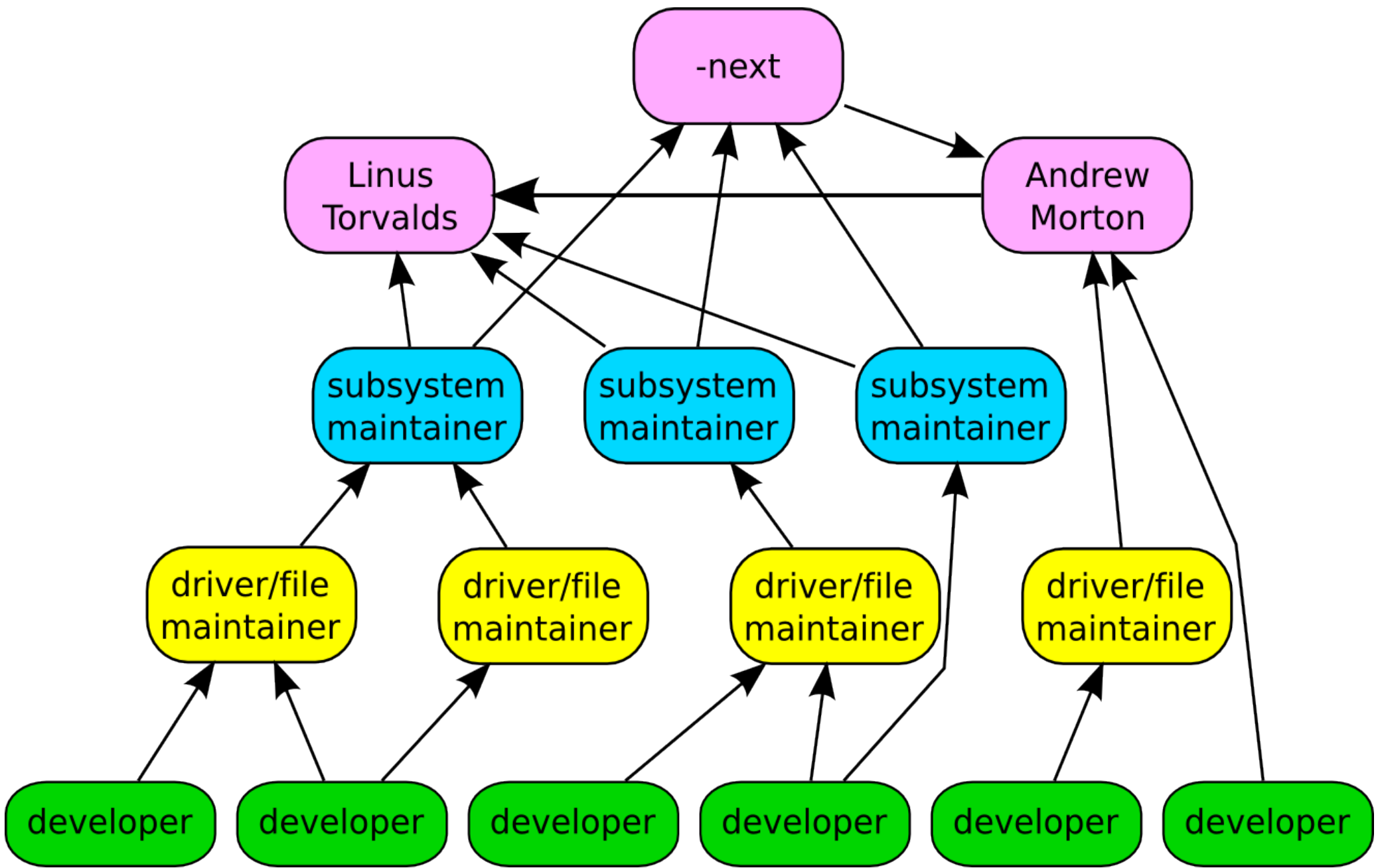
Developer's Certificate of Origin

- (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

Chris Wilson	566
Joe Perches	560
Mark Brown	532
Eric Dumazet	465
Johannes Berg	454
David Miller	407
Takashi Iwai	406
Mauro Chehab	401
K. Y. Srinivasan	401
Al Viro	396

Top Signed-off-by:

Greg Kroah-Hartman 4973

David S. Miller 4708

John Linville 2933

Linus Torvalds 2473

Mauro Carvalho Chehab 2195

Andrew Morton 2084

Mark Brown 1243

James Bottomley 1089

Takashi Iwai 955

Russell King 875

Who is funding this work?

- 1.
2. Red Hat 11.4%
3. Intel 7.5%
- 4.
5. Novell 4.8%
6. IBM 3.9%
7. Texas Instruments 2.2%
8. Broadcom 1.9%
9. Consultants 2.3%
10. Nokia 1.8%

Who is funding this work?



1. “Amateurs”	15.5%
2. Red Hat	11.4%
3. Intel	7.5%
4. Unknown Individuals	6.3%
5. Novell	4.8%
6. IBM	3.9%
7. Texas Instruments	2.2%
8. Broadcom	1.9%
9. Consultants	2.3%
10. Nokia	1.8%

Getting involved

Getting involved

Documentation/HOWTO

Documentation/ja_JP/HOWTO

Documentation/development-process

Getting involved

Kernel Newbies



Getting involved

Linux Driver Project

`drivers/staging/*/TODO`



ありがとう

