

The background features a dark blue geometric shape on the left and a lighter blue shape on the right, separated by a diagonal line.

QLF *live*

MENTORSHIP SERIES



Best Practices to Getting Your Patches Accepted

Greg Kroah-Hartman
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I don't want your code

or

Linux Kernel Maintainers,
why are they so grumpy?

Greg Kroah-Hartman
gregkh@linuxfoundation.org

69,970 files
29,460,000 lines

4,659 developers
450+ companies

Kernel releases 5.4.0 – 5.9.0
September 2019 – October 2020

8,300 lines added

2,400 lines removed

2,100 lines modified

8,300 lines added

2,400 lines removed

2,100 lines modified

Every day

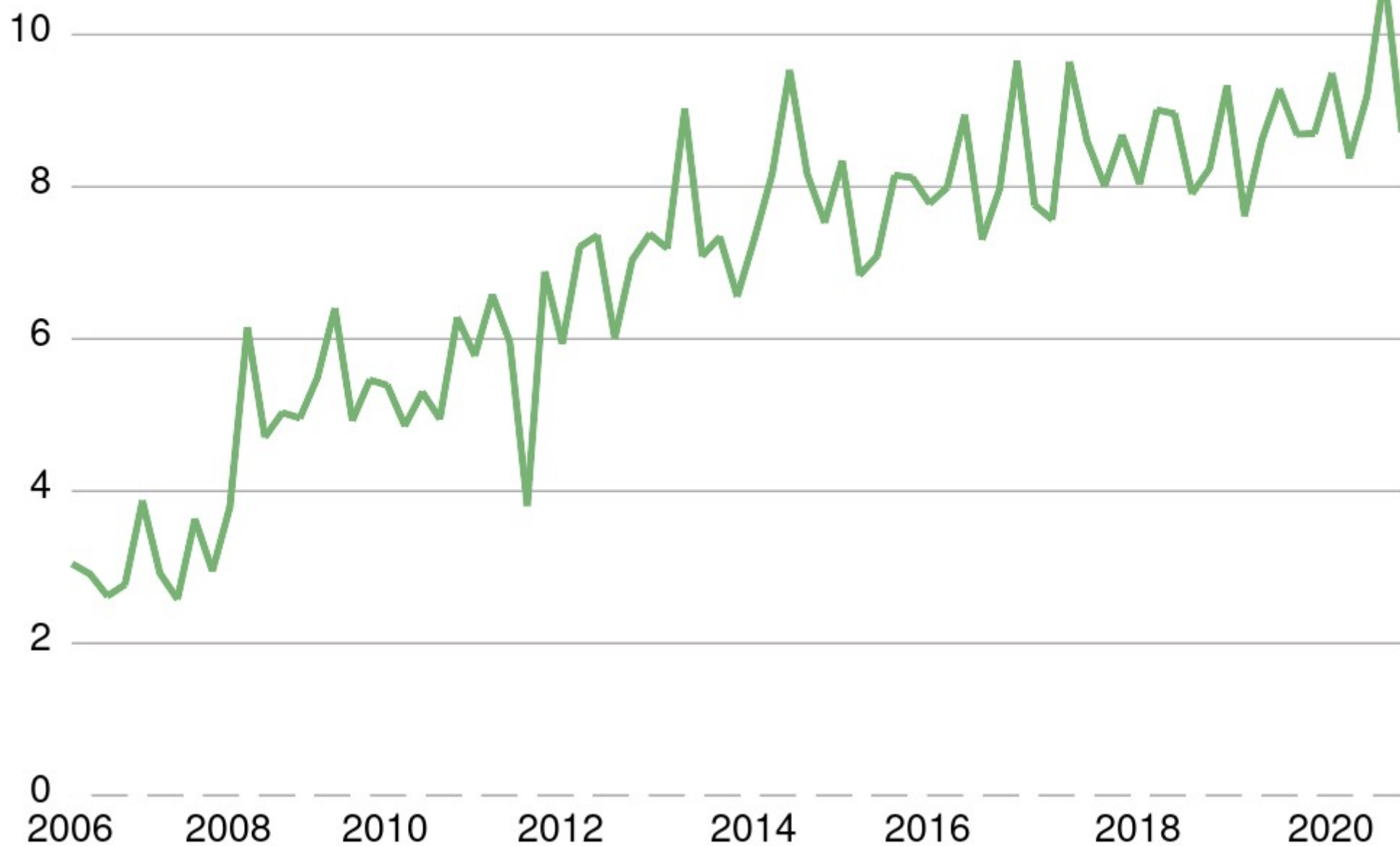
9.2 changes per hour

Kernel releases 5.4.0 – 5.9.0
September 2019 – October 2020

10.8 changes per hour

5.8 release

Patches merged per hour



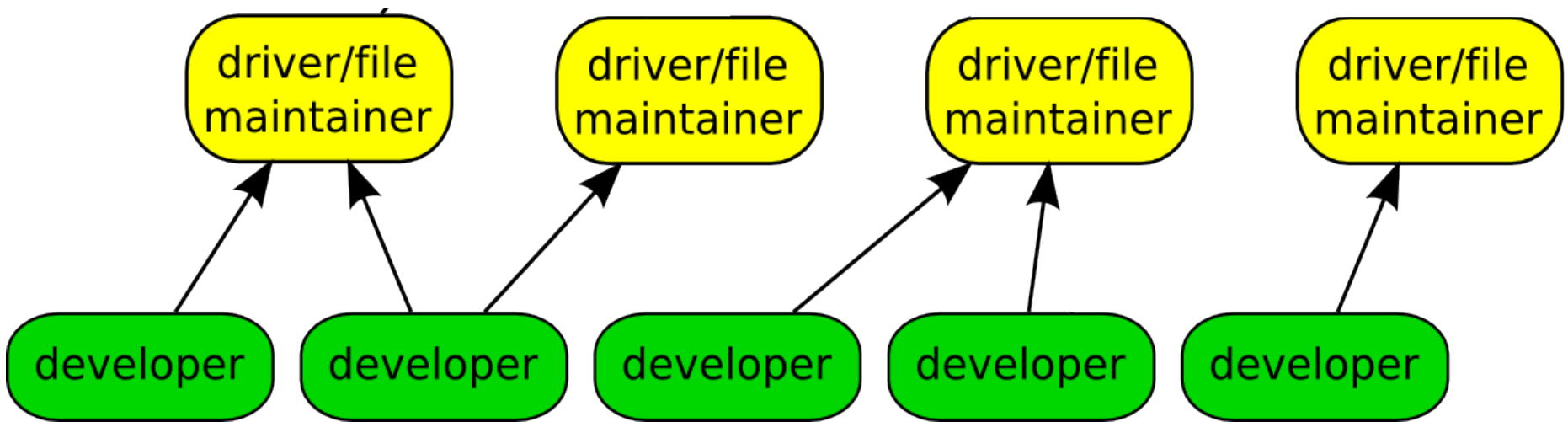
developer

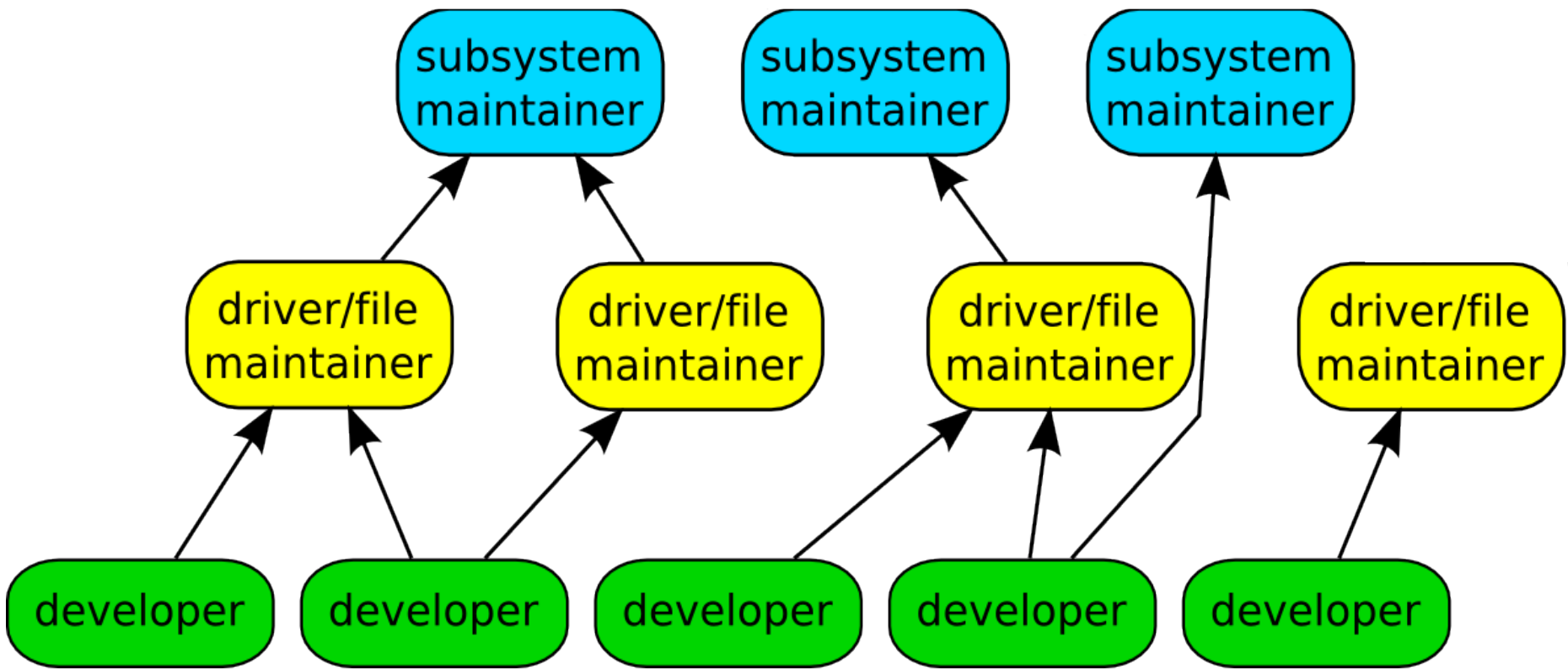
developer

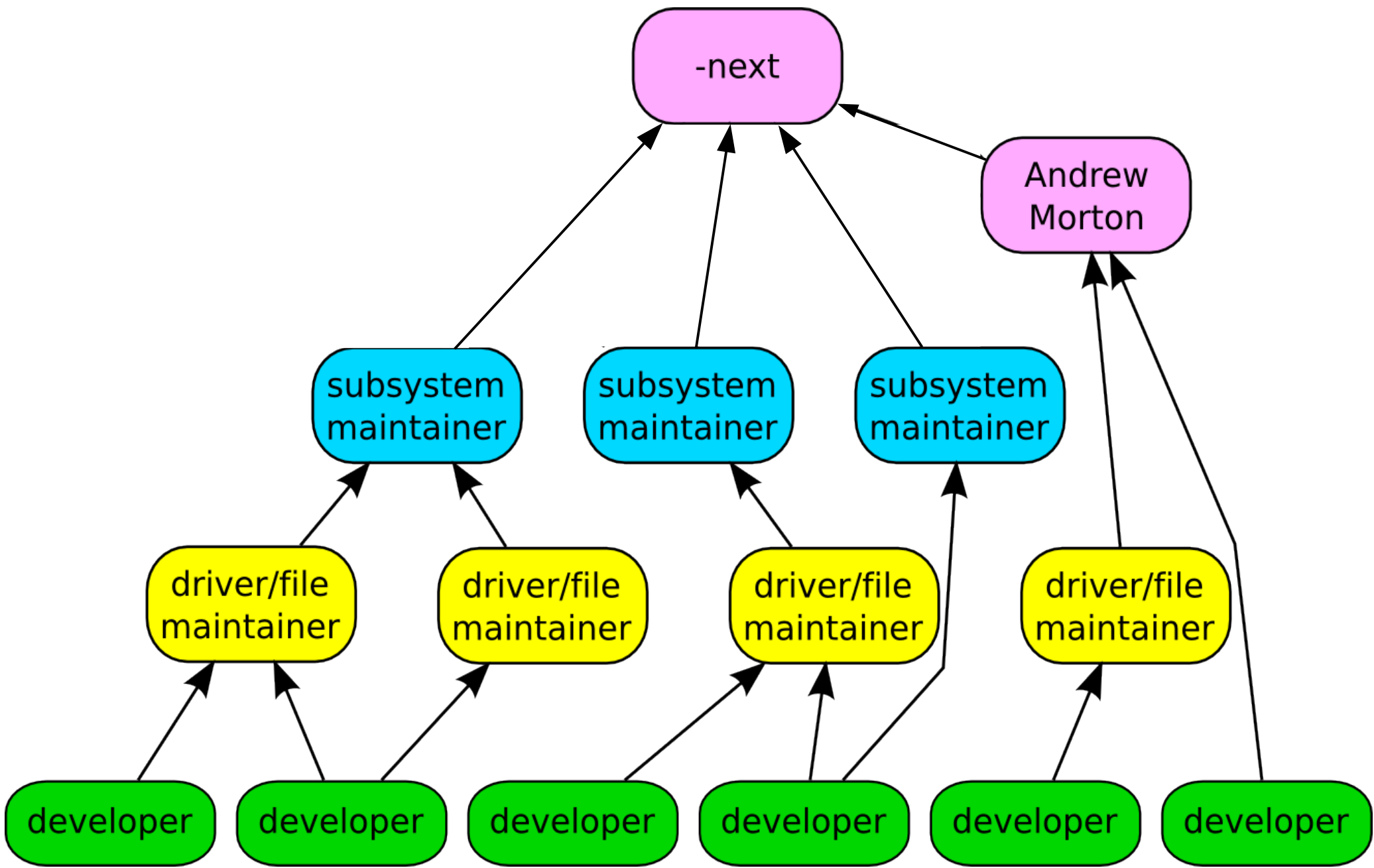
developer

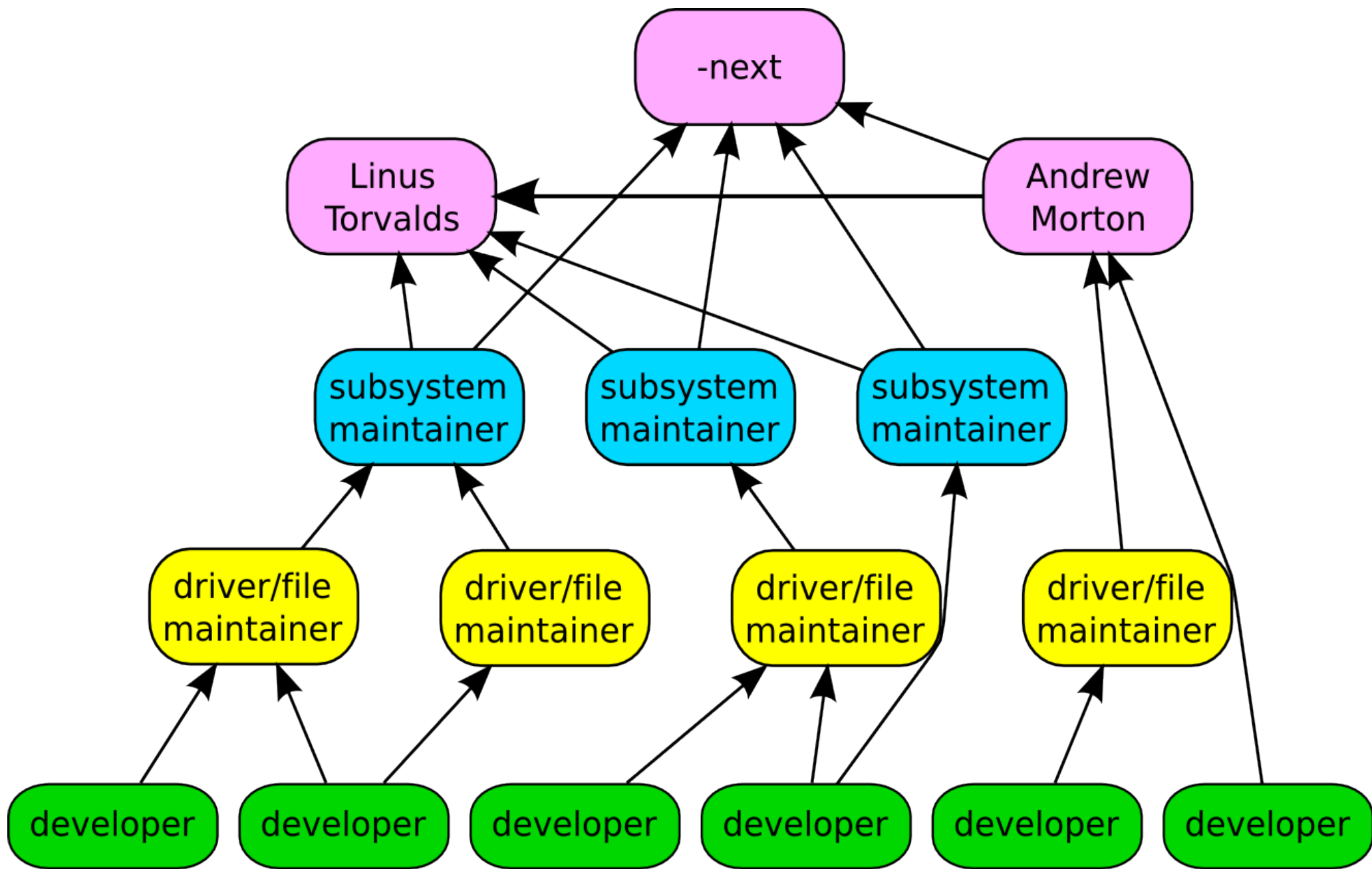
developer

developer









Rank	Name	Commits	Quantity
1	Chris Wilson	1377	
2	Christoph Hellwig	1195	
3	Mauro Carvalho Chehab	832	
4	Takashi Iwai	740	
5	Andy Shevchenko	739	
6	YueHaibing	692	
7	Colin Ian King	671	
8	Geert Uytterhoeven	590	
9	Masahiro Yamada	523	
10	Gustavo Silva	567	

Kernel releases 5.4.0 – 5.9.0

```
---Mutt: =linux-kernel [Msgs:7969 New:7550 Inc:8 48M]---(threads/reverse-Kernel releases 5.4.0 – 5.9.0---
```


Top Signed-off-by:

David S. Miller 8446

Greg Kroah-Hartman 5028

Alex Deucher 4323

Mark Brown 3565

Mauro Carvalho Chehab 2596

Linus Torvalds 2446

Andrew Morton 2218

Chris Wilson 1884

Jens Axboe 1787

Martin Petersen 1639

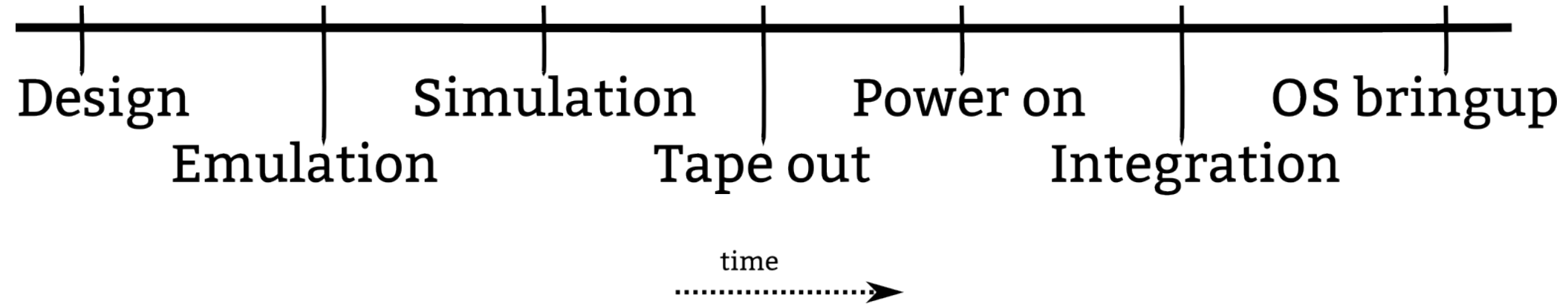
Who is funding this work?

1. “Amateurs”	13.5%
2. Intel	11.6%
3. Red Hat	6.6%
4. AMD	4.9%
5. Huawei	4.8%
6. Google	4.7%
7. Linaro	3.8%
8. SUSE	3.6%
9. IBM	3.1%
10. “Consultants”	2.7%

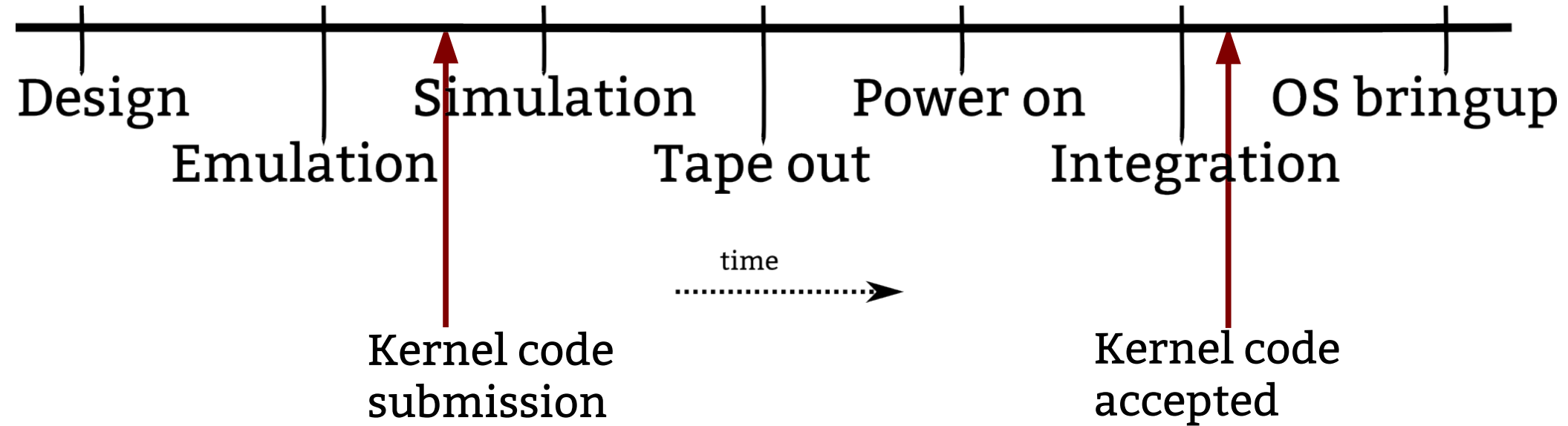
Who is funding this work?

11. Mellanox	2.5%
12. NXP Semiconductors	2.2%
13. Renesas Electronics	2.2%
14. Facebook	2.0%
15. ARM	1.8%
16. Oracle	1.3%
17. Texas Instruments	1.2%
18. Code Aurora (Qualcomm)	1.2%
19. Linux Foundation	1.2%
20. Canonical	1.1%

Development Process



Development Process



“Working upstream saves time and money”

Dan Frye – VP Open Systems, IBM

Dirk Hohndel – Chief Technologist, Intel

**Maintainers are like editors in
the publishing industry.**

– David Miller

Patches I received in a 2 week period

Patches I received in a 2 week period

1487

Subject: [PATCH 48/48] ...

15 patch series, no order given

Patches 1, 3-10

“Signed-off-by:” in signature

Signature saying email was confidential

Tabs were converted to spaces

Leading spaces removed

diff in non-unified format

Patch created in driver directory

Patch created in /usr/src/linux-2.6.32

Made against different tree

Wrong coding style

Wrong coding style,
and acknowledged it

Would not compile

Broke the build on patch 3/6

Broke the build on patch 3/6
and fixed it on 6/6

Broke the build on patch 5/8

Broke the build on patch 5/8

Contained note that fix would be sent later

Patches that had nothing to do with me

1 patch, 450kb big (4500 lines added)

Obviously wrong kerneldoc

This was a calm two weeks

How to do it right

[Documentation/process/submitting-patches.rst](#)
[Documentation/process/submitting-drivers.rst](#)
[Documentation/process/submit-checklist.rst](#)

It is in my self-interest
to ignore your patch

Give me no excuse
to reject your patch

What I will do for you:

Review your patch within 1-2 weeks

Offer semi-constructive criticism

Let you know the status of your patch

<zx2c4> i think the reason it works is not neccessarily because
<zx2c4> the responses are so terrific
<zx2c4> but because
<zx2c4> they are TERRIFYING
<zx2c4> so i'm forced to do my best possible work



github.com/gregkh/presentation-maintainer

