

Last year in the Linux Kernel

Greg Kroah-Hartman

44,600 files 17,730,000 lines

3,061 developers 433 companies

8,600 lines added 3,900 lines removed 2,000 lines modified

8,600 lines added 3,900 lines removed 2,000 lines modified

Every Day

Kernel releases 3.8.0 – 3.12.0 October 2012 – November 2013

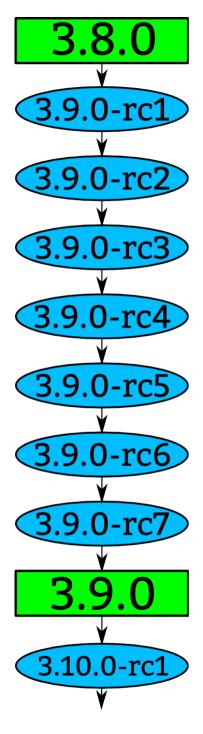
7.59 changes per hour

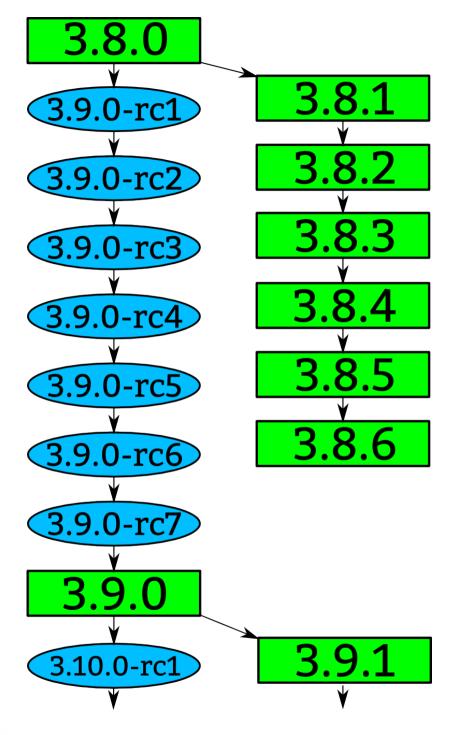
9.02 changes per hour

3.10.0 release

How we stay sane

Time based releases Incremental changes





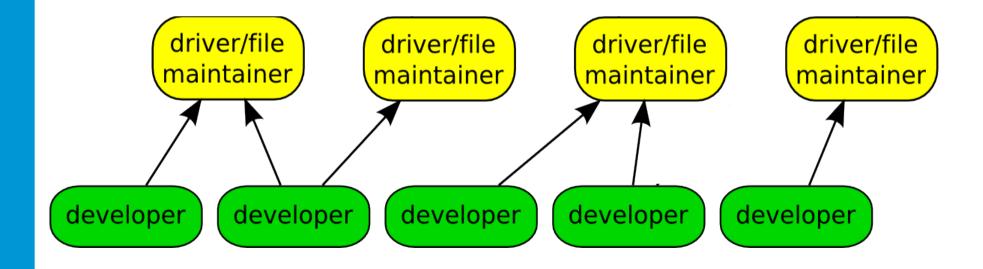
"Longterm kernels"

One picked per year Maintained for two years

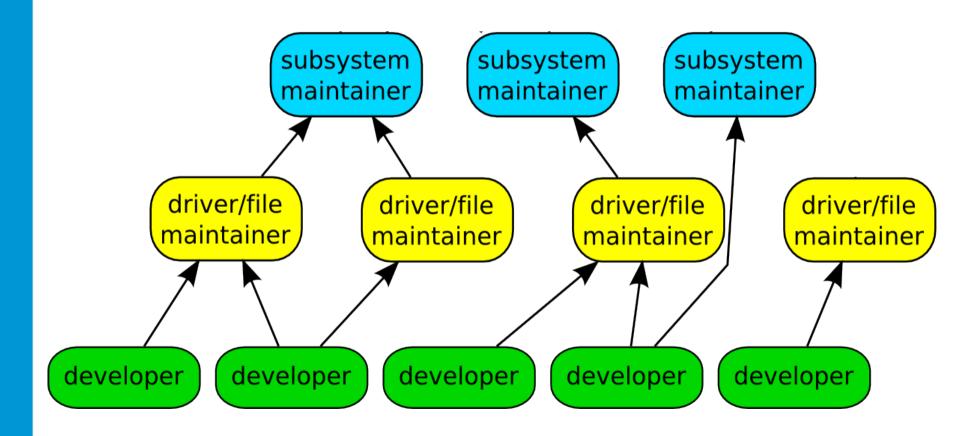
3.4 3.10

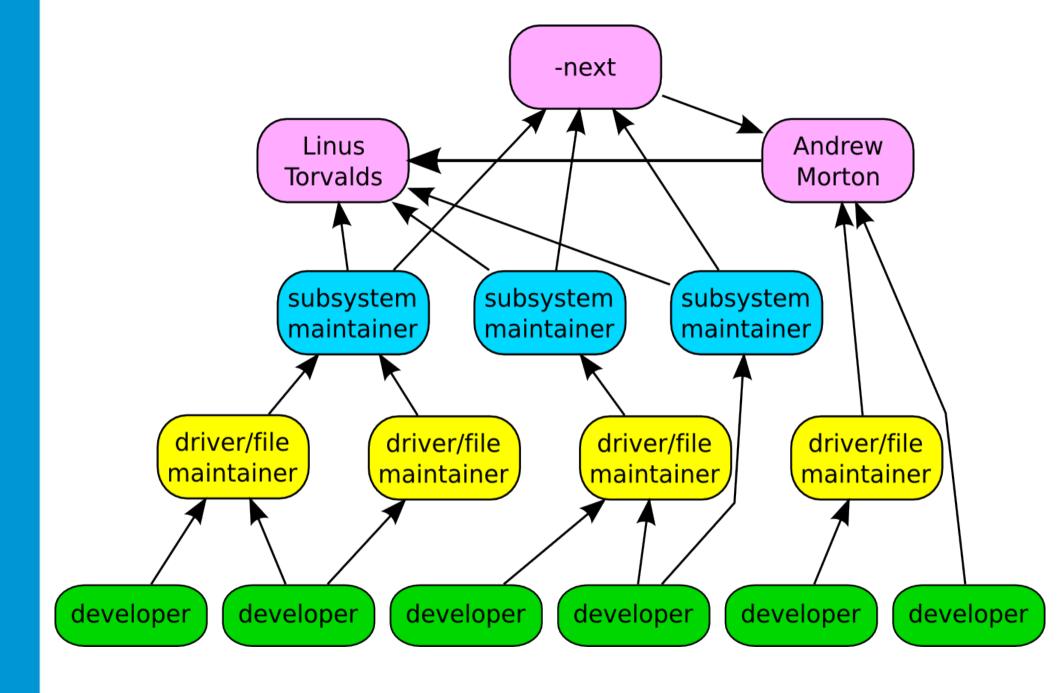
developer developer developer developer

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3.8 release

F2FS

3.8 release User Namespaces

3.8 release

Zero page for huge pages

3.8 release i386 removed

3.9 release

CONFIG_EXPERIMENTAL removed

3.9 release suspend-freeze

3.9 release ChromeOS laptop support

3.9 release

PCIE nontransparent bridge

3.9 release KVM for ARM

3.10 release Nearly tickless support

3.10 release

bcache

3.10 release mutex & rwsem speedup

3.10 release ARM big.LITTLE

3.10 release KVM for MIPS

3.11 release O_TMPFILE

3.11 release Lustre client

3.11 release NFS 4.2 & SELinux tags

3.11 release ARM huge pages

3.11 release

zswap

3.11 release sync(2) speedups

3.12 release Really tickless

3.12 release vfs locking improvements

3.12 release OOM improvements

3.12 release RAID5 multithreading

3.12 release some tty locks removed

3.12 release Major ipc speedups

Who is funding this work?

1. "Amateurs"	11.6%
2. Intel	9.3%
3. Red Hat	8.7%
4. Linaro	5.9%
5. Samsung	4.0%
6. Texas Instruments	3.7%
7. Unknown Individuals	3.6%
8. IBM	3.1%
9. SuSE	3.1%
10. Vision Engraving	2.7%

Who is funding this work?

11. Google	2.4%
12. Renesas	1.9%
13. Freescale	1.4%
14. Broadcom	1.3%
15. Oracle	1.3%
16. Consultants	1.3%
17. NVidia	1.2%
18. AMD	1.2%
19. LINBIT	1.1%
20. Free Electrons	1.1%

