

### 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

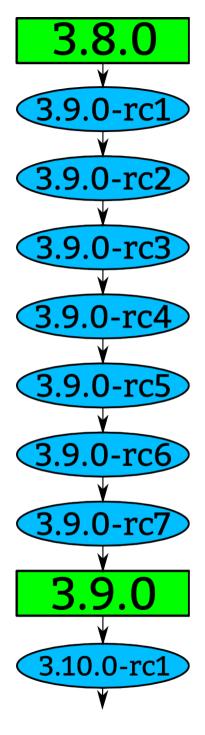
### 7.59 changes per hour

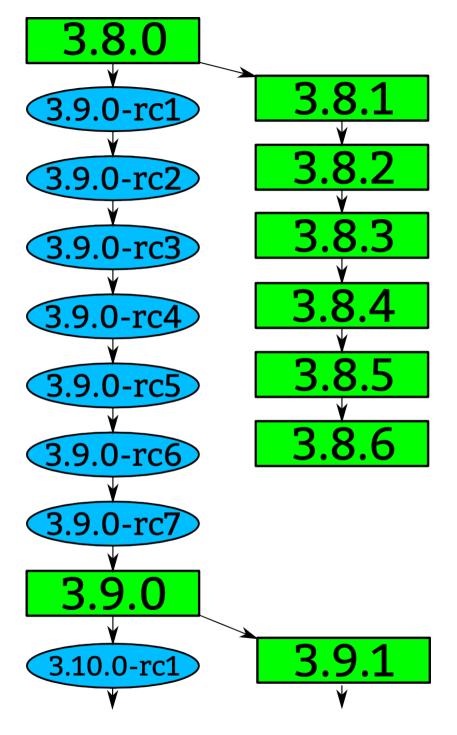
### 9.02 changes per hour

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

#### 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%

