

Sysadministrivia

Linux, Lagers, and Late Nights

S0E2: "How do I Make it Longer? or: How I Learned to Stop Worrying and Love the 'Roids"

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Log

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2015-03-10 01:04:23	2015-03-12 06:06:00	brent s.

Verification

Format	SHA256	GPG	Audio File
MP3	3f1b9973f2f8b4d5cbd36f0c9a1276a15bbe83048348f850481e198e7f06e6e6	click	click
OGG	74081812f95d32991450529f3378fdb3bae722f430b13a51f2125bd67236e526	click	click

Quicklisten:

We took a nice leisurely stroll through several topics; it was a fairly laid-back evening. We had to stretch the show a little bit too (hence the title- sorry, no hints on how to elongate genitalia offered herein. IT'S LIKE WE'RE AN ARTICLE ON A VIRAL BLOGGING SITE!).

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Notes

- We give a quick yay (and a bit of a rant) about Net Neutrality. Yay!
- You can find the `/r/sysadmin/` subreddit here, and our thread here. We also posted on `/r/linux` but didn't get as much of a result. Special shout-out to **JollyRgrs** in `#reddit-sysadmin` on Freenode and **ekul_** for hanging out in our IRC channel with us for a bit.
- The beer I was drinking is here.
- For the BeOS users/lovers out there, you can check out HaikuOS here.
- You can read about Anthem being total irresponsible pricks here.
- We mention the following GNU/Linux distros a lot in this episode: CentOS, Red Hat (sometimes referred to as RHEL), Arch Linux, SUSE Enterprise Linux (and opensUSE), Debain, Gentoo, Ubuntu, Manjaro, Fedora, and Slackware.
- Kernel 4.x is slated for "rebootless upgrades". The Slashdot article is here. The kernel summit article I mentioned I can't seem to find again, but I did a checkout of the mainline kernel repository and ran some stats. You can find my results in the Errata section.
 - We talk about Ksplice / Uptrack as well.
 - The two types of "rebootless" kernel mechanisms that were merged together to 4.x are RHEL's kpatch (released under GPLv2) and SUSE's kGraft (under the GPLv2 as well).
- FREAK is explained here, but because you're all smart cookies, you'll want the CVE (you may have better luck with the Mitre.org link).
- It turns out we managed to find our (Brent and Jonathan's) first conversation on IRC in public logs for `#ubuntu-us-pa` on Freenode. You can view that specific log here, **lines 248, 259-265** (nicks are mangled; mine is **6c659f0c** and his is **a42c5963**). Way back to July 23, 2008. And yes, per my guess- I was indeed trying to help him. :P
- I plug Manjaro specifically, for newcomers to GNU/Linux that might not want the messy bullshit of Ubuntu.

Errata

- It turns out both Comcast AND Verizon were giving Netflix the shaft
- BeOS R5 was actually released in March of 2000(source).
- "Patch Tuesday" is still very much a thing.
- I kept referring to Tuesday (2015.03.10) as "tomorrow". It was technically correct at the time of recording, but I had neglected to remember that it takes about 2-3 days to get these puppies edited.
- jthan has just told me that **every** University of Colorado employee was exposed in the Anthem attack. THIS WAS SO EASY TO PREVENT; YOU SHOULD

HAVE JUST LET THE AUDITORS DO THEIR THING. WHY IS NOBODY ELSE AS ANGRY ABOUT THIS AS WE ARE STILL?!

- Ksplice is indeed owned now by Oracle. It was originally (first release in 2008) developed by Ksplice, Inc. until 2011 when Oracle took over, and was indeed (and still is) under the GPLv2. However, Oracle sucks because (among many other things) they aren't very transparent with that source.
- I was wrong, again. FREAK is an attack specific to OpenSSL per the CVE: "before 0.9.8zd, 1.0.0 before 1.0.0p, and 1.0.1 before 1.0.1k".

Kernel Statistics Report

There are, at the time of writing this, commits from 17,604 unique authors in the mainline Linux source since 2.6.11 (the first tag in the kernel's Git repository):

```
[bts@workhorse linux]$ git log v2.6.11..v4.0-rc3 > commit.log
[bts@workhorse linux]$ ls -lh commit.log
-rw-r--r-- 1 bts bts 319M Mar 12 03:08 commit.log
[bts@workhorse linux]$ grep Author commit.log | cut -d ":" -f 2 | sort | uniq -c | sort -nr > commit.authors
[bts@workhorse linux]$ wc -l commit.authors
17604 commit.authors
```

The top 5 committers are:

```
[bts@workhorse linux]$ head -n5 commit.authors
14533 Linus Torvalds <torvalds@linux-foundation.org>
5239 Takashi Iwai <tiwai@suse.de>
5154 David S. Miller <davem@davemloft.net>
3948 Mark Brown <broonie@opensource.wolfsonmicro.com>
3567 Al Viro <viro@zeniv.linux.org.uk>
```

Music

Music Credits

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Outro	India	Bensound	click	CC-BY-ND 3.0

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Categories (Pilot Season)

Comments

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