

OSS Leftovers

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Created *31/01/2018 - 9:27pm*

Submitted by Roy Schestowitz on Wednesday 31st of January 2018 09:27:48 PM Filed under [OSS](#) [1]

- [India's RJio Plots Open Source Disruption](#) [2]

Owned by Indian billionaire Mukesh Ambani, the telco believes that it is high time India developed products and services tailored specifically to the Indian market. "If you observe, a lot of effort has been put into the IT space [in India], but what has not happened is a focused effort [for innovation] in the telecom space," says Matthew Oommen, RJio's president of networks, global strategy and service development, on the sidelines of India's recent Digital Open Summit.

- [Open Source Initiative Turns 20](#) [3]

The Open Source Initiative (OSI) will celebrate its 20th anniversary on Friday, Feb. 2, and the global non-profit organization dedicated to raising awareness and adoption of open source software is gonna par-tay. By which I mean, the OSI has scheduled activities around the world this year to commemorate the event. (I'm hoping there will be snacks.)

- [Swatantra17](#) [4]

Last month Thiruvananthapuram witnessed one of the biggest Free and Open Source Software conference called Swatantra17. Swatantra is a flagship triennial (actually used to be triennial, but from now on organizers decided to conduct in every 2 years.) FOSS conference from ICFOSS. This year there were more than 30 speakers from all around the world. The event held from 20-21 December at Mascot hotel, Thiruvananthapuram. I was one of the community

volunteer for the event and was excited from the day it announced .

- [DO or UNDO - there is no VACUUM](#) [5]

To put this another way, it is in general true that PostgreSQL's VACUUM implementation has gotten progressively better at reclaiming space occupied by dead tuples more quickly and with less expenditure of effort. And that's really good, because the faster you reclaim space, the less new space you end up allocating, which keeps tables small and performance high. However, the examples above show that VACUUM isn't the whole problem. In these examples, even if VACUUM ran at the earliest instant when it could reclaim the space occupied by dead tuples and ran infinitely fast, the table would still become bloated. In the case where the bloat is caused by many short queries run while one long-running transaction remains open, we could, with smarter snapshot management, limit the worst-case bloat to approximately a factor of two -- that is, we'd keep the version of the tuple visible to the old snapshot and the current version, and discard the intermediate versions, a trick PostgreSQL currently can't manage. However, even a factor of two is a lot, and what if there are multiple distinct open snapshots? Further, in the case where the bloat is created by a SQL statement that induces scattered updates throughout the table, no improvement to VACUUM can possibly help. By the time that SQL statement finishes, the damage is already done.

- [Scratch group projects ? 2018](#) [6]

Once again, it's time for this year's Scratch projects from my grade 10 students. Up next is python, but their final projects are available at <https://scratch.lesbg.com>. Feel free to play them and rate them. This is a first attempt for students, so do please be gentle on the ratings.

- [Why Create a New Unix Shell?](#) [7]

[OSS](#)

Source URL: <http://www.tuxmachines.org/node/108660>

Links:

[1] <http://www.tuxmachines.org/taxonomy/term/72>

[2] <http://www.lightreading.com/open-source/indias-rjio-plots-open-source-disruption/d/d-id/740156>

[3] <https://adtmag.com/blogs/watersworks/2018/01/osi-turns-20.aspx>

[4] <http://abhijithpa.me/2018/Swatantra17/>

[5] <https://rhaas.blogspot.com/2018/01/do-or-undo-there-is-no-vacuum.html>

[6] <https://cedarandthistle.wordpress.com/2018/01/30/scratch-group-projects-2018/>

[7] <http://www.oilshell.org/blog/2018/01/28.html>