today's leftovers

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Created *22/09/2019 - 10:26am*
Submitted by Roy Schestowitz on Sunday 22nd of September 2019 10:26:11 AM Filed under Misc [1]

- **When was the last time you used Windows?** [2]

    Are friends and family constantly asking you to troubleshoot issues with their Windows or Mac device? Being the resident support technician in your home is an important job. Like any responsible technology steward, you are going to try your best to help out. However, it might be quite a challenge if it has been a while since you last used such an operating system.

    How long has it been since you last used Windows? Before using Linux, were you primarily a Mac user? Or, are you using Windows or Mac now either at home or work?

    Take our poll by selecting the Windows version you last remember using. If the term, "windows" only reminds you of those glass panels that let sunlight inside, you are probably a long-time Linux user.

    Leave us a comment and share your story about how you started using Linux.

- **Attempting to install Linux on a new laptop, a follow-up** [3]

    I recently detailed my attempts to install Linux as an alternative boot an SD card in a new Dell laptop. Those attempts failed. See Attempting to install Linux on a new laptop for the details.

    Microsoft has continued in their usual way and notified me last week that the current feature update of Windows on that laptop would soon be unsupported and urged me to update to the latest version.

    However, that proved impossible. In spite of removing most of the software installed on the machine, Windows was incapable of cleaning up enough disk space to allow the installation of Windows 10 version 1903 to proceed. The installed 32GB eMMC drive simply is no longer

large enough to allow the updates to install. This was true even when I manually downloaded the update and tried to install from an external drive.

It is remotely possible wiping the hard drive and performing a clean install might have worked, but the prospect of being forced to do so every year was not appealing. So being forced to choose between running an out of date version of Windows or wiping the hard drive and installing Linux, I chose to try the latter.

- **Going Linux #377 · Listener Feedback** [4]

  Our first giveaway. In this episode: hidden gems, Banshee abandoned, FreeOffice issues, back to Ubuntu MATE for accessibility, and NTP and hardware clock.

- **Test and Code: 88: Error Monitoring, Crash Reporting, Performance Monitoring - JD Trask**[5]

  Tools like error monitoring, crash reporting, and performance monitoring are tools to help you create a better user experience and are fast becoming crucial tools for web development and site reliability. But really what are they? And when do you need them?

  You've built a cool web app or service, and you want to make sure your customers have a great experience.

  You know I advocate for utilizing automated tests so you find bugs before your customers do. However, fast development lifecycles, and quickly reacting to customer needs is a good thing, and we all know that complete testing is not possible. That's why I firmly believe that site monitoring tools like logging, crash reporting, performance monitoring, etc are awesome for maintaining and improving user experience.

  John-Daniel Trask, JD, the CEO of Raygun, agreed to come on the show and let me ask all my questions about this whole field.

- **how to detect chef** [6]

- **Linux Command Cheat Sheet: Download For Free** [7]

- **Porting Storm to Python 3** [8]

We released Storm 0.21 on Friday (the release announcement seems to be stuck in moderation, but you can look at the NEWS file directly). For me, the biggest part of this release was adding Python 3 support.

Storm is a really nice and lightweight ORM (object-relational mapper) for Python, developed by Canonical. We use it for some major products (Launchpad and Landscape are the ones I know of), and it?s also free software and used by some other folks as well. Other popular ORMs for Python include SQLObject, SQLAlchemy and the Django ORM; we use those in various places too depending on the context, but personally I?ve always preferred Storm for the readability of code that uses it and for how easy it is to debug and extend it.

It?s been a problem for a while that Storm only worked with Python 2. It?s one of a handful of major blockers to getting Launchpad running on Python 3, which we definitely want to do; stoq ended up with a local fork of Storm to cope with this; and it was recently removed from Debian for this and other reasons. None of that was great. So, with significant assistance from a large patch contributed by Thiago Bellini, and with patient code review from Simon Poirier and some of my other colleagues, we finally managed to get that sorted out in this release.

Misc

Links:
[1] http://www.tuxmachines.org/taxonomy/term/78
[2] https://opensource.com/article/19/9/last-time-used-windows
[3] http://lxer.com/module/newswire/view/275315/index.html
[4] http://goinglinux.com/shownotes.html#glp377
[5] https://testandcode.com/88
[6] http://joeyh.name/blog/entry/how_to_detect_chef/
[7] https://itsubuntu.com/linux-command-cheat-sheet-download-for-free/
[8] https://www.chiark.greenend.org.uk/~cjwatson/blog/storm-py3.html