

today's howtos and programming leftovers

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Submitted by Roy Schestowitz on Friday 15th of March 2019 09:11:17 AM Filed under [Development](#) [1] [HowTos](#) [2]

- [Make your snap development faster](#) [3]

- [Extract rpm package name, version and release using some fancy sed regex](#) [4]

- [Dave Townsend: Bridging an internal LAN to a server's Docker containers over a VPN](#) [5]

- [Fair Resource Distribution Algorithm v1](#) [6]

Imagine a finite resource that you want to distribute amongst peers in a fair manner. If you know the number of peers to be n , the problem becomes trivial and you can assign every peer $1/n$ -th of the total. This way every peer gets the same amount, while no part of the resource stays unused. But what if the number of peers is only known retrospectively? That is, how many resources do you grant a peer if you do not know whether there are more peers or not? How do you define 'fairness'? And how do you make sure as little of the resource as possible stays unused?

- [Fast, Bump-Allocated Virtual DOMs with Rust and Wasm](#) [7]

Dodrio is a virtual DOM library written in Rust and WebAssembly. It takes advantage of both Wasm's linear memory and Rust's low-level control by designing virtual DOM rendering around bump allocation. Preliminary benchmark results suggest it has best-in-class performance.

- [Step-by-step how-to guide to use uWSGI with Python 3.7 for Ubuntu 18.04 and 18.10.](#) [8]
- [Using Pipfile in Binder](#) [9]

[Development HowTos](#)

Source URL: <http://www.tuxmachines.org/node/121726>

Links:

- [1] <http://www.tuxmachines.org/taxonomy/term/145>
- [2] <http://www.tuxmachines.org/taxonomy/term/98>
- [3] <https://blog.ubuntu.com/2019/03/14/make-your-snap-development-faster>
- [4] <https://www.commandlinefu.com/commands/view/24470/extract-rpm-package-name-version-and-release-using-some-fancy-sed-regex>
- [5] <https://www.oxyronical.com/blog/2019/03/Bridging-an-internal-LAN-to-a-servers-Docker-containers-over-a-VPN>
- [6] <https://dvdhrm.github.io/fairdist-v1/>
- [7] <https://hacks.mozilla.org/2019/03/fast-bump-allocated-virtual-doms-with-rust-and-wasm/>
- [8] <https://www.paulox.net/2019/03/13/how-to-use-uwsgi-with-python-3-7-in-ubuntu-18-x/>
- [9] <https://erambler.co.uk/blog/pipfile-binder-two-lines/>