How to Improve the Python Development Experience for Millions of Ubuntu Users

Jürgen Gmach

Disclaimer

Vim vs Emacs

Python developer survey 2022

Independence

Building blocks

All about me

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Python

What is even Python?

What about pip, venv and friends?

Python on Ubuntu

version	code name	python	go	debhelper	end of standard support	eol
16.04	xenial xerus	3.5	?	9	04/2021	04/2026
18.04	bionic beaver	3.6	?	11	04/2023	04/2028
20.04	focal fossa	3.8	1.13 + 1.14	12	04/2025	04/2030
22.04	jammy jellyfish	3.10	?	13	04/2027	04/2032
24.04	noble numbat	3.12	?	13	04/2029	?

https://jugmac00.github.io/blog/ubuntu-versions-cheat-sheet/

Word of caution

Askubuntu

https://askubuntu.com/questions/tagged/python

https://askubuntu.com/q/1508787/846261

ask Ubuntu

Home

Questions

Tags

How to replace python3.10 with python3.12 in ubuntu 22.04 [duplicate]

Asked 4 months ago Modified 4 months ago Viewed 13k times

This error occurred in addition to the below error when I changed the python3 version:

```
Traceback (most recent call last):
  File "/usr/bin/apt-listchanges", line 29, in <module>
    import apt_pkg
ModuleNotFoundError: No module named 'apt_pkg'
```

https://askubuntu.com/q/1495450/846261

What is Python on Ubuntu?

… but not all of Python

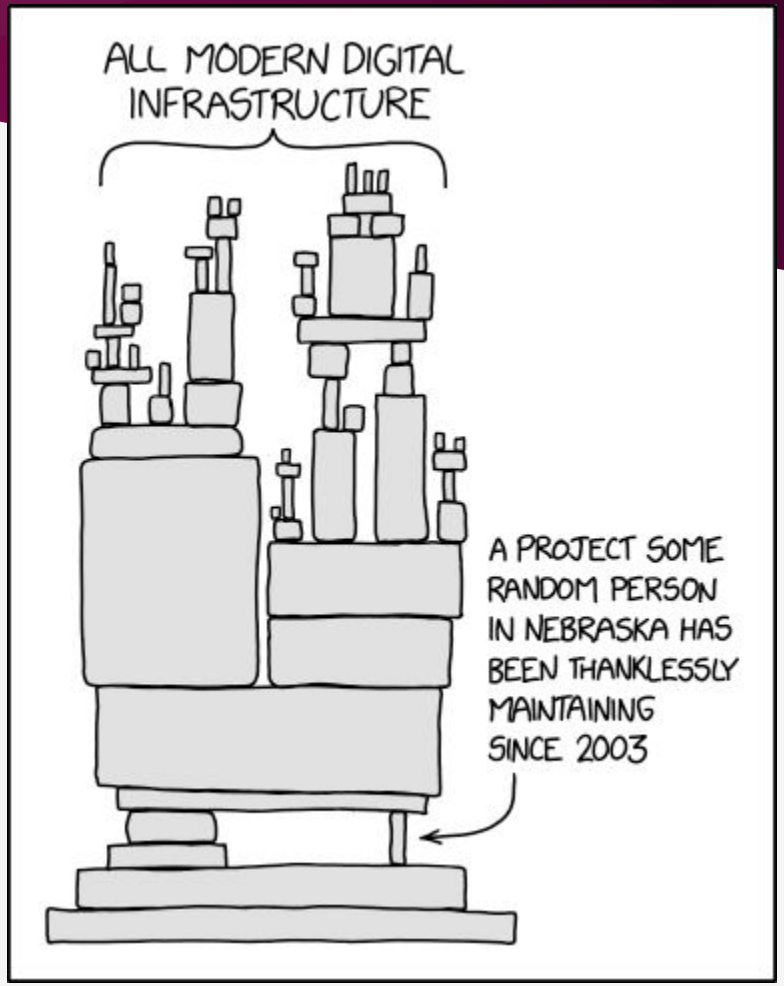
… but more than Python

Pitfalls of system packages

Many ways

deadsnakes ppa

https://launchpad.net/~deadsnakes/+archive/ubuntu/ppa


ALL MODERN DIGITAL INFRASTRUCTURE
A PROJECT SOME RANDOM PERSON IN NEBRASKA HAS BEEN THANKLESSLY MAINTAINING SINCE 2003

Compile from source

https://devguide.python.org/getting-started/setup-building/

pyenv

https://github.com/pyenv/pyenv

hatch

https://github.com/pyenv/pyenv

rye

https://rye-up.com/

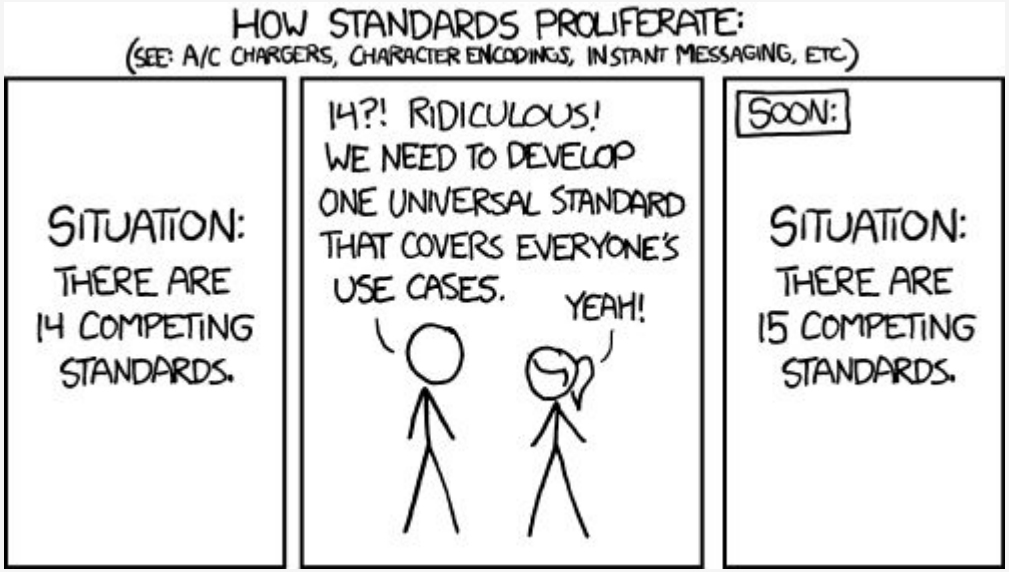
Conda

https://docs.conda.io/en/latest/

Which is the right way?

Exploding numbers

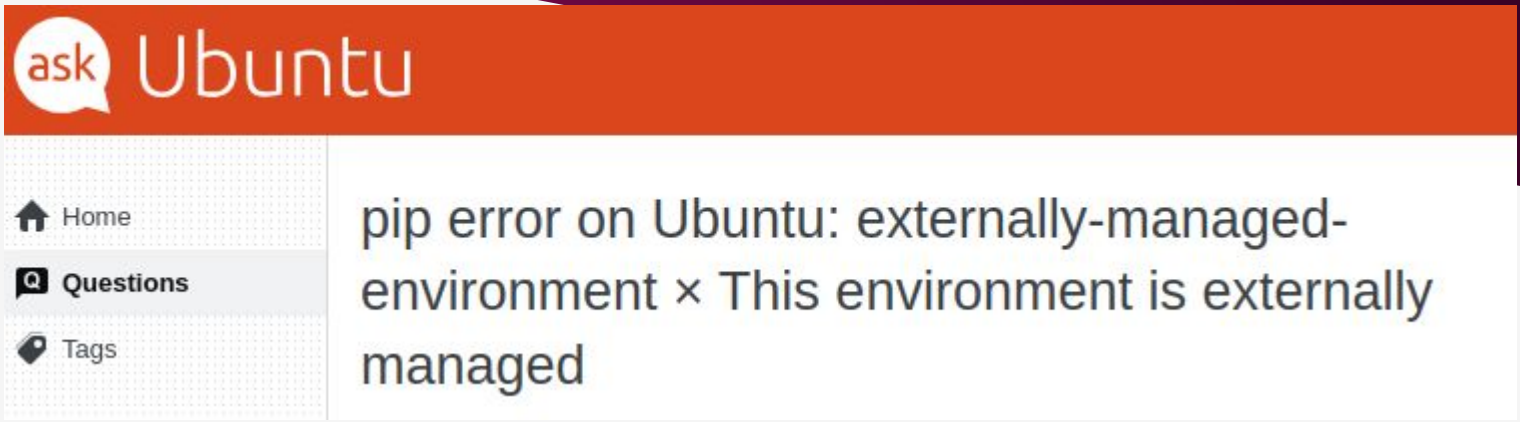
Maybe a new way?



https://xkcd.com/927

Tools

sudo pip install broken-system



https://askubuntu.com/q/1495450/846261

To install or not install

tox / nox / hatch / pre-commit

pipx

pipx -> tox -> precommit -> flake8

The essential question

The future

Thank you!

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Canonical