Python - A kind of magic!

🙏Hosted by

hellowork®

Florian Strzelecki, Luc Sorel-Giffo

Python Rennes - mercredi 15 octobre 2025

Join Us On! 😀

479 members
on Meetup

99 members
on Slack

55 members on https://bsky.app/profile/pythonrennes.bsky.social
48 members on https://social.breizhcamp.org/@pythonrennes

News

Slack channel “#quoi-de-noeuf” 🗞️
https://pythonrennes.slack.com/

Python Language 🐍

- Python 3.14 🥳
  - https://docs.python.org/3/whatsnew/3.14.html
  - https://realpython.com/python314-new-features/
  - 3.13.9, 3.12.12, 3.11.14, 3.10.19, 3.9.24
  - 💡`uv run --isolated --python 3.14 python`

3.14
more colour • t-strings • zstd • free-threading support • subinterpreters • REPL highlighting

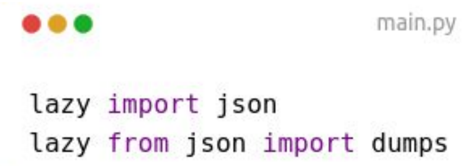
- Python has had **async** for 10 years - why isn't it more popular?
  - https://tonybaloney.github.io/posts/why-isnt-python-async-more-popular.html
  - Asyncio module feedback
  - How difficult is it to integrate it in Python code (when sync and async are required)
- Functions: a complete reference
  - All the **non-trivial** things you should know about functions

Python Language 🔮

- Python **3.15**.0 alpha 1 released 🤓

Some accepted PEPs

- PEP 799
  - **Dedicated profiling package** for organizing Python profiling tools
- PEP 810
  - Explicit **lazy imports**
  - Speed up startup times

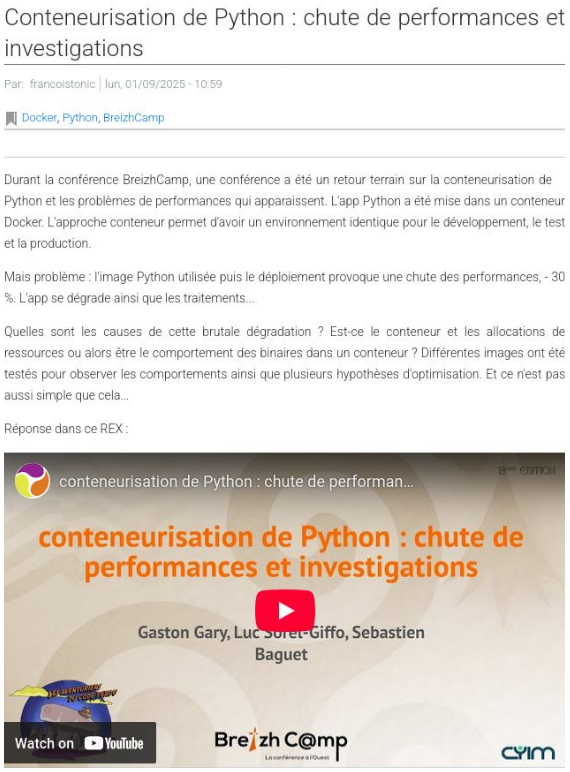


main.py

```python
lazy import json
lazy from json import dumps
```

Replay 🍿

- Python: The **Documentary**
  - ○ https://youtu.be/GfH4QL4VqJ0
- **BreizhCamp** 2025 Videos
  - ○ https://www.youtube.com/@BreizhCamp
  - ○ 👀 “Conteneurisation de Python : chute de performances et investigations” @LucSorelGiffo
  - ○ https://youtu.be/w-DdfOi_5Q4
- Patterns and Anti-Patterns in Python's Structural **Pattern Matching**
  - ○ https://youtu.be/MWAfiyJ9NOw
  - ○ 👀 “Type, Plugin et Match” @DavidBlanchet
  - ○ https://youtu.be/qAS-zj0irEM



Conteneurisation de Python : chute de performances et investigations

Par: francoistonic | lun, 01/09/2025 - 10:59

Docker, Python, BreizhCamp

Durant la conférence BreizhCamp, une conférence a été un retour terrain sur la conteneurisation de Python et les problèmes de performances qui apparaissent. L'app Python a été mise dans un conteneur Docker. L'approche conteneur permet d'avoir un environnement identique pour le développement, le test et la production.

Mais problème : l'image Python utilisée puis le déploiement provoque une chute des performances, - 30 %. L'app se dégrade ainsi que les traitements...

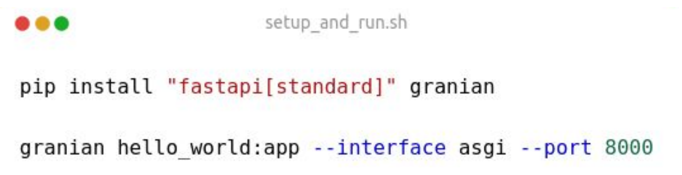
Quelles sont les causes de cette brutale dégradation ? Est-ce le conteneur et les allocations de ressources ou alors être le comportement des binaires dans un conteneur ? Différentes images ont été testés pour observer les comportements ainsi que plusieurs hypothèses d'optimisation. Et ce n'est pas aussi simple que cela...

Réponse dans ce REX :

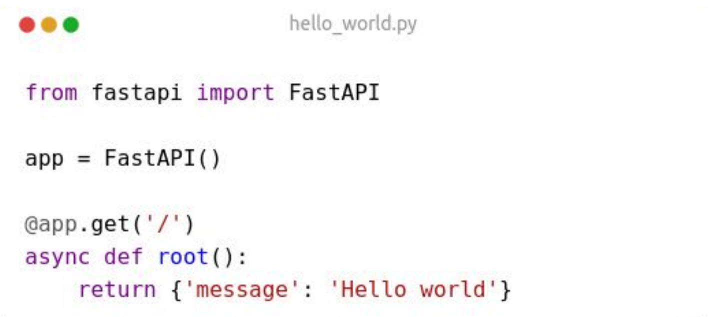
conteneurisation de Python : chute de performan...
13ème EDITION
conteneurisation de Python : chute de performances et investigations
Gaston Gary, Luc Sorel-Giffo, Sebastien Baguet
LES AVENTURIERS DU CODE PERDU
Watch on YouTube
BreizhCamp
La conférence à l'Ouest
CYIM

Web 🕸️

- Granian
  - A Rust **HTTP server** for Python applications
  - Alternative to Uvicorn



```
pip install "fastapi[standard]" granian

granian hello_world:app --interface asgi --port 8000
```

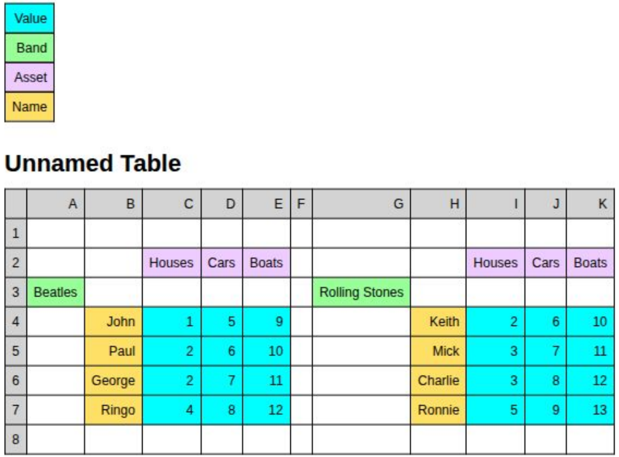


```
from fastapi import FastAPI

app = FastAPI()

@app.get('/')
async def root():
    return {'message': 'Hello world'}
```

- Litestar
  - **Alternative** to FastAPI
  - Input/output schemas with Pydantic, attrs, msgspecs or dataclasses

Data Extraction ⛏️

- tidychef: transforming **tabulated data** with visual **relationships** into tidy data
  - Unstructured data, like Excel sheets
  - Programmatic description of the structure of the sheet



Value
Band
Asset
Name

Unnamed Table

	A	B	C	D	E	F	G	H	I	J	K
1											
2			Houses	Cars	Boats				Houses	Cars	Boats
3	Beatles						Rolling Stones				
4		John	1	5	9			Keith	2	6	10
5		Paul	2	6	10			Mick	3	7	11
6		George	2	7	11			Charlie	3	8	12
7		Ringo	4	8	12			Ronnie	5	9	13
8											

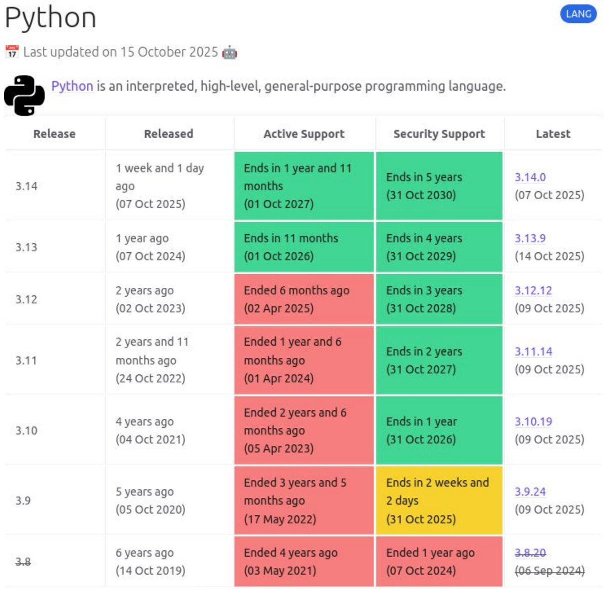
- Trafilatura
  - Gather **text** and **metadata** on the **Web**
  - “Alimenter les RAG/LLM avec Trafilatura”
    - @StéphaneRobert
- Markitdown
  - Convert files and **Office documents** to **Markdown**
- python-markdownify
  - Convert **HTML** to **Markdown**
- OpenDAL
  - **Data Access Layer** that enables seamless interaction with diverse **storage services**
  - Python binding

uv 🌞

- **Switching** from Pip to uv in Python: A Comprehensive Guide
- uv cheatsheet
- Tip: loading .env files with uv run
  - `uv run --env-file .env fastapi dev`
- pyx: Python-native **package registry**
  - Alternative to PyPI or any other packages registries
  - Optimized backend for uv
  - ⚠️ Beta version
- prek: **pre-commit** in Rust
  - Reuse of .pre-commit-config-yaml
  - uv under the cover to handle Python hooks
  - ⚠️ Work in progress

Security ☠️

- https://blog.pypi.org/posts/2025-07-28-pypi-phishing-attack/
- https://blog.pypi.org/posts/2025-08-07-wheel-archive-confusion-attacks/
- https://blog.pypi.org/posts/2025-09-23-plenty-of-phish-in-the-sea/
- https://www.cvedetails.com/cve/CVE-2025-47273/
- https://www.cvedetails.com/cve/CVE-2025-8291/
- endoflife.date
  - For products, languages, frameworks, libraries
  - https://endoflife.date/python



Python

LANG

📅 Last updated on 15 October 2025 🤖

Python is an interpreted, high-level, general-purpose programming language.

Release	Released	Active Support	Security Support	Latest
3.14	1 week and 1 day ago (07 Oct 2025)	Ends in 1 year and 11 months (01 Oct 2027)	Ends in 5 years (31 Oct 2030)	3.14.0 (07 Oct 2025)
3.13	1 year ago (07 Oct 2024)	Ends in 11 months (01 Oct 2026)	Ends in 4 years (31 Oct 2029)	3.13.9 (14 Oct 2025)
3.12	2 years ago (02 Oct 2023)	Ended 6 months ago (02 Apr 2025)	Ends in 3 years (31 Oct 2028)	3.12.12 (09 Oct 2025)
3.11	2 years and 11 months ago (24 Oct 2022)	Ended 1 year and 6 months ago (01 Apr 2024)	Ends in 2 years (31 Oct 2027)	3.11.14 (09 Oct 2025)
3.10	4 years ago (04 Oct 2021)	Ended 2 years and 6 months ago (05 Apr 2023)	Ends in 1 year (31 Oct 2026)	3.10.19 (09 Oct 2025)
3.9	5 years ago (05 Oct 2020)	Ended 3 years and 5 months ago (17 May 2022)	Ends in 2 weeks and 2 days (31 Oct 2025)	3.9.24 (09 Oct 2025)
~~3.8~~	6 years ago (14 Oct 2019)	Ended 4 years ago (03 May 2021)	Ended 1 year ago (07 Oct 2024)	~~3.8.20~~ ~~(06 Sep 2024)~~

Documentation 📝

- DeepWiki
  - Build **technical documentation** from a Github repository Ask DeepWiki
  - From README, docstrings, code
  - **LLM** based
  - Used by Windsurf
  - 👀 “Documentation : trouver son style” @FlorianStrzelecki
    - https://youtu.be/0CB4iVcHcsU

22 avril 2025

Documentation : trouver son style

Florian Strzelecki

Random 🧐

- Beyond the AI Hype: Guido van Rossum on Python’s Philosophy, Simplicity, and the Future of Programming
- Python F-String Quiz
  - https://fstrings.wtf/
  - 👀 https://fstring.help/ (cheatsheet)
- What the f*ck Python! 😱
  - Exploring and understanding Python through **surprising snippets**
- r/PythonFr
  - Reboot of the French Python community on **Reddit**

Enjoy the Meetup! 🤓