

What's new in Python

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CPython

- **Python 2.7.8** is out
 - OpenSSL version update
 - Bug & regression fixes
- **Python 3.4.1** is still the latest Python 3 release

PyPy

- **PyPy 2.3.1 Fulcrum**

- Targets Python 3 (specifically 3.2.5)
- <http://morepypy.blogspot.ca/2014/06/pypy3-231-fulcrum.html>

- **PyPy-STM**

- PyPy-STM is capable of running pure Python code on multiple threads in parallel
- No GIL!
- Basically PyPy 2.3 (= no Python 3 support yet)
- http://morepypy.blogspot.ca/2014_07_01_archive.html

PEP's

- **PEP 471**

- `os.scandir()` function -- a better and faster directory iterator

Web

- **Django 1.7rc1** is out
- **South 1.0**
 - The final release (as it is now part of Django 1.7)
 - <http://www.aeracode.org/2014/7/1/end-era/>
- **Metaflask**
 - The informal "Flask Software Foundation"
 - A repository to organise the Flask ecosystem
 - <https://github.com/pocoo/metaflask>

Interesting libraries

- **Gunicorn 19**

- 'Green Unicorn' is a Python WSGI HTTP server
- <https://github.com/benoitc/gunicorn/releases/tag/19.0>

- **nose-picker**

- A plugin that picks a subset of your unit tests
- <https://github.com/eventbrite/nose-picker>

Trending on Github

- <https://github.com/trending?l=python&since=monthly>
- New projects that caught my eye:
 - **percol**: interactive filters (for Unix pipes)
 - **plan**: cron jobs in Python
 - **onionshare**: securely and anonymously share files
 - **worldcup**: World Cup results for hackers!
 - <https://github.com/fatiherikli/worldcup>

Conferences

- **PyCon AU 2014**
 - Brisbane, 1 – 5 Aug
 - Miniconfs: Django, OpenStack, Science & Data
 - <http://2014.pycon-au.org/>
- **Kiwi PyCon**
 - Wellington, 12 – 14 Sep
 - <http://nz.pycon.org/>

Useful resources

- **awesome-python**
 - A curated list of awesome Python frameworks, libraries and software
 - <https://github.com/vinta/awesome-python>
- The “**Explore Flask**” book is now free
 - <http://exploreflask.com/>
- “10 awesome features of Python that you can't use because you refuse to upgrade to Python 3”
 - <https://asmeurer.github.io/python3-presentation/python3-presentation.pdf>