What's new in Python



Veit Schiele Cusy GmbH, Berlin Python Users Berlin, 13 May 2021

github.com/cusyio/jupyter-reveal/pub/pub_2021-05.pdf

Python is on Mars

LINUX Unplugged did an interview with Tim Canham, the Mars Helicopter Operations Lead.

From the 43 minute he talks about Python: How Linux Got to Mars.

See also:

• github.com/nasa/fprime

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Python educators and users: I have been working on improving SyntaxError messages in CPython lately. What error (only SyntaxErrors for now) messages you or your students have struggle with? Which ones you think we should improve? (Pls RT to help reaching more people).

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See also:

Better error messages

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Python 3.10.0b1

- Python 3.10 is now in Beta
- Beta release previews are intended to give the wider community the opportunity to test new features and bug fixes.
- Third-party Python projects should test and prepare their projects to support the new feature release.
- PEP 619 Python 3.10 Release Schedule

Python 3.9.5

- Python 3.9.5 Changelog
- Python 3.9.5 is the newest major **stable** release.
- On macOS, you should use the universal2 binary installer variant whenever possible. The legacy 10.9+ Intel-only variant will not be provided for Python 3.10 and the universal2 variant will become the default download for future 3.9.x releases.

Python 3.8.10

- PEP 569 Python 3.8 Release Schedule
- Python 3.8.10 is the final regular maintenance release.
- Starting now, the 3.8 branch will only accept security fixes.
- Releases will be made in source-only form until October 2024.

CPython repository switched from master to main

- Community's take on changing master branch to main
- github.com/github/renaming

Coverage.py

The next version of coverage.py will be 6.0, dropping support for Python 2 and Python 3.5.

See also:

Comparing changes

PCA on the security incident disclosed by codecov

Codecov disclosed a security incident: Bash Uploader Security Update.

The PCA (Python Cryptographic Authority) noted that this has no impact on their use of codecov.

PyCon US 2021

https://us.pycon.org/2021

• Tutorials: 12-13 May 2021

• Conference: 14–15 May 2021

• Job Fair: 16 May 2021

• Sprints: 16-18 May 2021

Python Software Foundation

• Call for nomination for the PSF board

Nominations ends on 31 May 2021.

New in our bookshelf

- Machine Learning mit Python by Sebastian Raschka und Vahid Mirjalili
- Refactoring by Martin Fowler