What's new in Python



Veit Schiele Cusy GmbH, Berlin Python Users Berlin, 12 May 2022

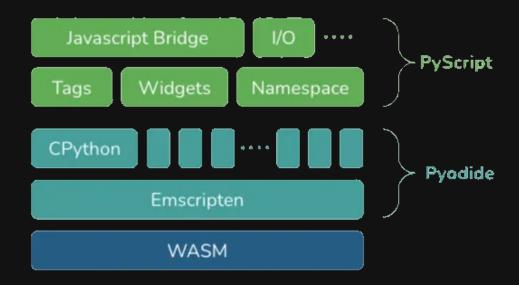
github.com/cusyio/jupyter-reveal/pub/pub_2022-05.pdf

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- Home

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Standing on the shoulders of giants



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Big Picture of the growing Python web ecosystem

• **PyScript** – a framework to create rich Python apps in the browser

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- **Pyodide** a JavaScript framework for Python
- wc-code is running Python code snippets with HTML tags

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See also:

- Home
- Examples
- GitHub
- Anaconda Blog: Welcome to the world PyScript

The keynote speakers made it into Forbes: Right Now In Tech: PyCon U.S. 2022

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- For C extensions maintainers there is upgrade_pythoncapi.py.
- PyFrameObject, PyThreadState and PyCodeObject structures are deeply modified.: Use the new getter functions rather than accessing directly these structures.

Datasette on nogil Python

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47ms vs. 77ms

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See also:

- Docker container
- Testing Datasette parallel SQL queries in the nogil/python fork

NumPy 1.22 approaches the Python array API standard

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See also:

- Python array API standard
- NEP 47 Adopting the array API standard