
Jupyter Updates



SciPy Plenary 2021

Isabela Presedo-Floyd for the Jupyter Community

New People

Jupyter is Mostly People, professional and volunteers.

Thanks to everyone who contributed with questions, answer, blog posts, tutorials, design, issues, suggestion and more.

- 2021

Distinguished contributors

- Jeremy Tuloup
 - Jessica Zosa Forde
 - Johan Mabilie
 - Martin Renou
 - Maarten Breddels
 - Michał Krassowski
 - Simon Li
 - Tim George
 - Tony Hirst
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JupyterHub

JupyterHub 2.0 on it's way:

- **Roles and Scopes** for fine-grained permission control of JupyterHub – **Ivana Huskova** and **Omar Richardson** at Simula (Sloan funding)
- **Pagination** of the API for better scaling with larger numbers of users, contributed by **Nathan Barber**

JupyterHub

JupyterHub 2.0 Needs your help:

- Test the new roles and scopes and give feedback to help make it the best 2.0 it can be

Binder and Z2JH

Z2JH: zero to JupyterHub

Z2JH has reached 1.0 – Fastest way to get started deploying JupyterHub:

<https://z2jh.jupyter.org/> Thanks Eric Sundell !

mybinder.org service have roughly doubled since last year, going from ~100K a week to ~200K launch a week

JupyterLab

JupyterLab 3.0

- No need for node.js
- Single package install
- Real-Time Collaboration
- RetroLab : Classic notebook appearance

Future: JupyterLab 3.1 and 4

- Improve performance
 - Improve accessibility
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IPython & IPykernel

We still ❤️ Python.

New Core contributor: MrMino.

- IPykernel 6.0
- Full compatibility with Xeus-Python
- Support debugger.
- Capture all outputs including C-libraries.
- Release every month! Currently at IPython 7.25

Time for 8.0 – we need your help

- Port the test suite to Pytest (currently using nose)
- Necessary for full Python 3.10 compatibility

testbook

nteract/testbook

- Framework for testing code in Jupyter notebooks
- Works with any unit testing library

How you can help

- Support for cell ID targeting
- Documentation enhancements

Out Of time

We ❤️ You

<https://bit.ly/jupyter-scipy2021-plenary>



[Jupyter.org](https://jupyter.org)

[Jupyter community calendar](#)

Jupyter community calls on the last
Tuesday of every month

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Come talk to us! Plenty of things to do for
everyone.



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