

PyMNTos

May 12, 2016

~~Getting Started with JupyterHub~~

JupyterHub, User Groups, and You

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Disclaimer: These views are my dreams, and they may not be the official views of Project Jupyter, the PSF, or Chompy.



A data scientist, a developer,
and a devops professional
walk into a user group
meeting...

“Where do I start?”

“I might break something.”

“I don’t want to mess up my system.”

“Don’t press the shiny button!”

“I’m not going to try it. You try it.”

SPIDERS ARE
SCARY.



IT'S OKAY TO BE
AFRAID OF THEM.

A data scientist, a developer,
and a devops professional
walk into a user group meeting
to “Learn All the Things!”

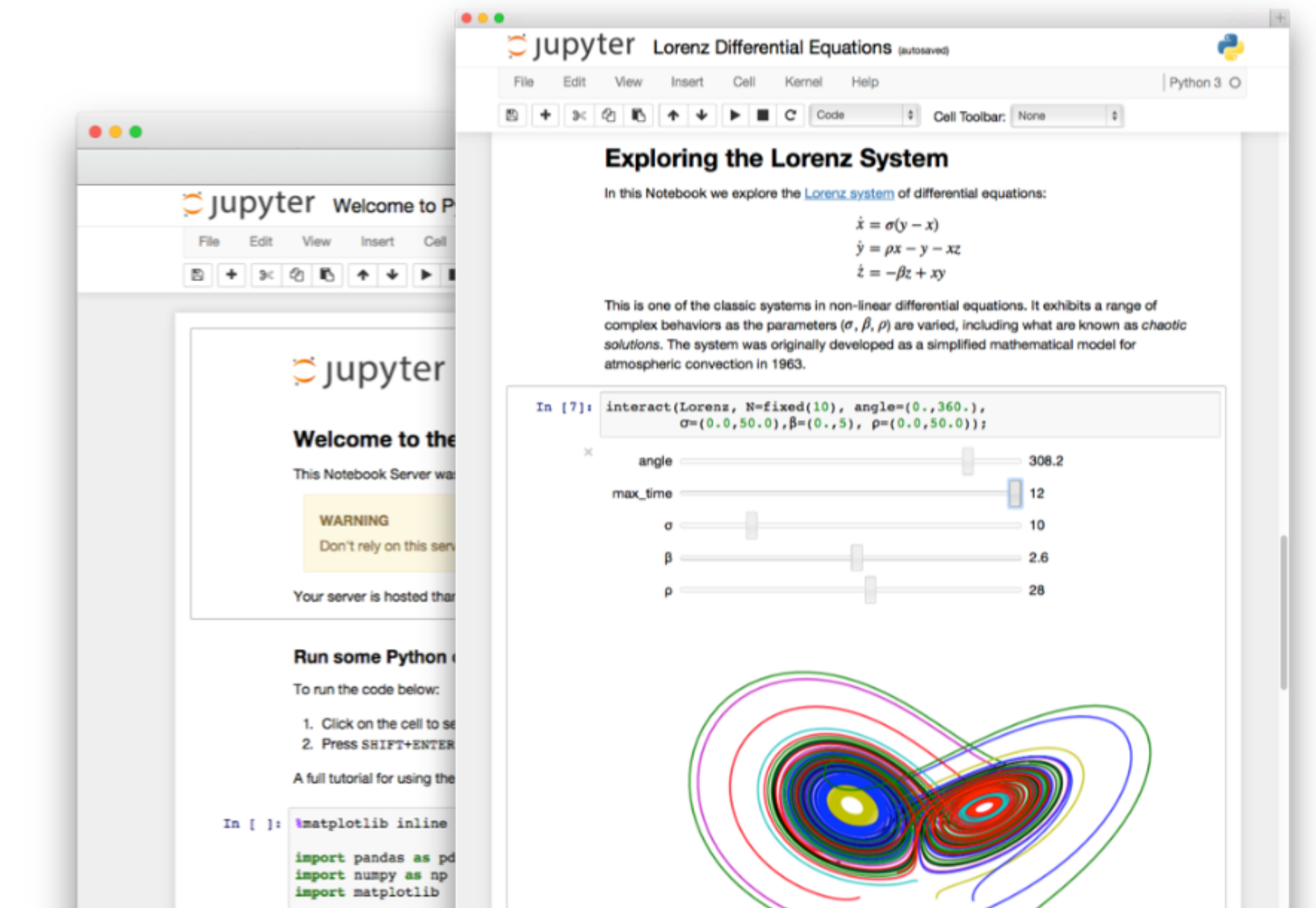


Imagine if they had Jupyter notebooks for everyone at the meeting...

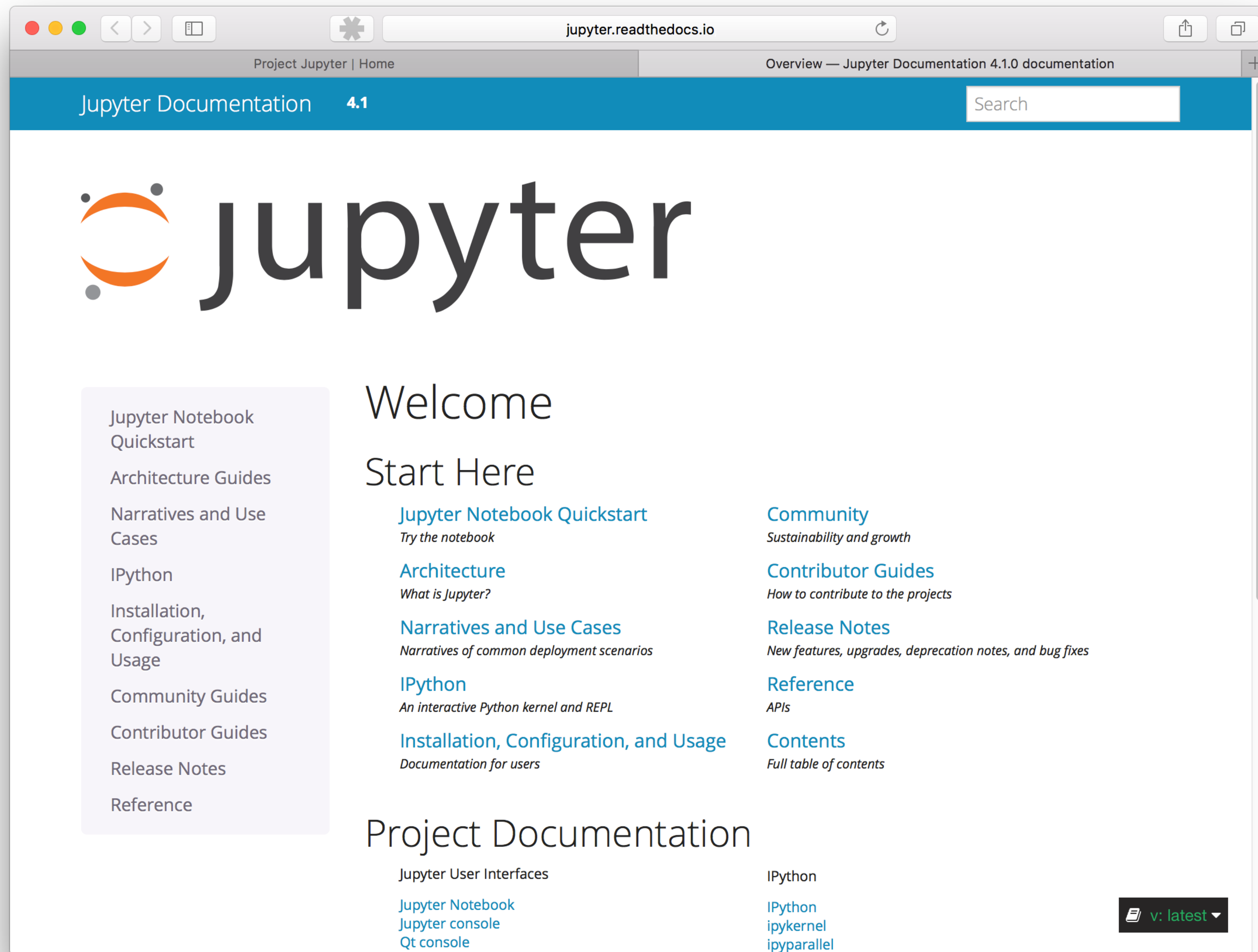


Jupyter Notebook


The Jupyter Notebook is a web application that allows you to create and share documents that contain live code, equations, visualizations and explanatory text. Uses include: data cleaning and transformation, numerical simulation, statistical modeling, machine learning and much more.



<https://try.jupyter.org>




<https://jupyter.readthedocs.io>




This organization

Search

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+ ▾



▾



JupyterHub

Official JupyterHub-related repositories

 Jupyter  <https://jupyterhub.readth...>  jupyter@googlegroups.com

Repositories

People 8

Teams 0

Settings

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Find a repository...

+ New repository

jupyterhub-deploy-docker

Reference deployment of JupyterHub with docker

Updated 38 minutes ago

Python ★ 5 🔒 5

jupyterhub-carina

JupyterHub integration with Carina

Updated an hour ago

Python ★ 3 🔒 1

jupyterhub-tutorial

Tutorial materials for deploying JupyterHub

Updated 9 hours ago

Shell ★ 2 🔒 1

People

8 >



Invite someone

<https://github.com/jupyterhub>

<https://jupyterhub.readthedocs.io>

Resources

JupyterHub tutorial

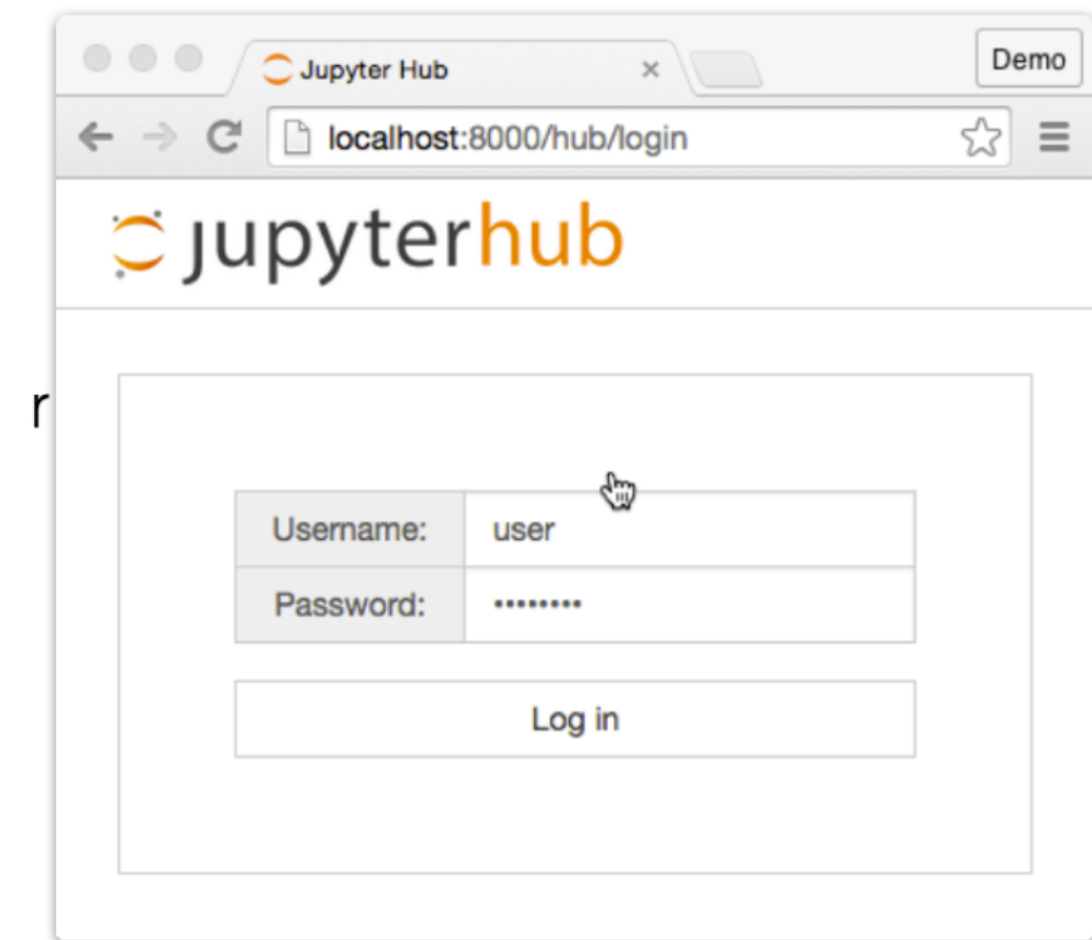
Reference deployments



When to use JupyterHub

- A class where students can do homework (nbgrader)
- A short-lived workshop, especially if installation is hard
- A research group with a shared workstation or small cluster
- On-site computing resources for researchers and analysts at an institution

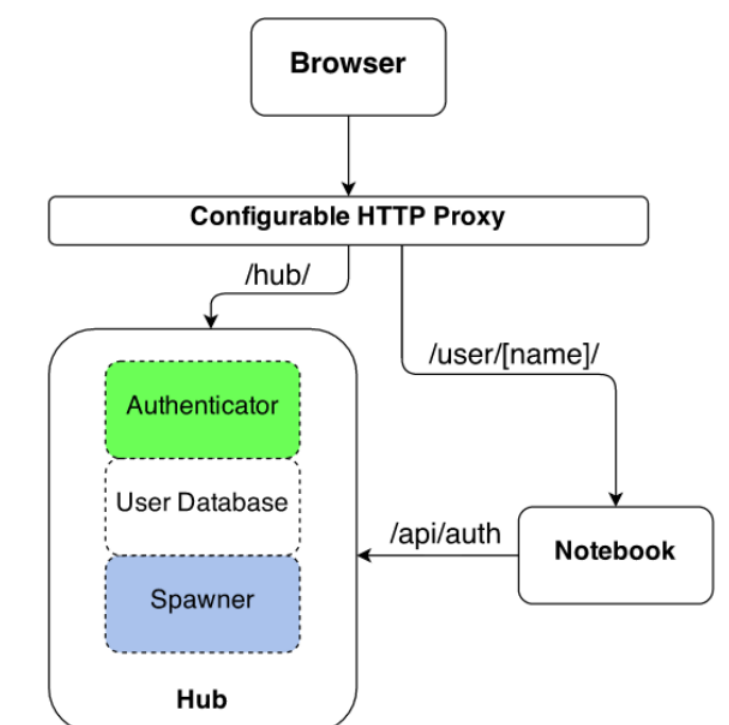
<https://github.com/jupyterhub/jupyterhub-tutorial/blob/master/JupyterHub.pdf>



Manages authentication

Spawns single-user servers on-demand

Each user gets a complete notebook server



“Try using JupyterHub for a future user group meeting or workshop.”

Thank you!

A special thanks to the meeting sponsors
for supporting the Python community.

Attributions

- Allie Brosh <http://hyperboleandahalf.blogspot.com/> for the very cool drawings
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- Project Jupyter - logos.
- Python Software Foundation logo.

