

# Forth Literate Programming with IPython notebook

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# Overview

- Literate Programming
- IPython and IPython notebook
- Connecting Forth to IPython notebook
- Demo
- next

# Literate Programming

- Mix prose text and program fragments
- Explain, why you are doing things in your programs
- Present in an educational order

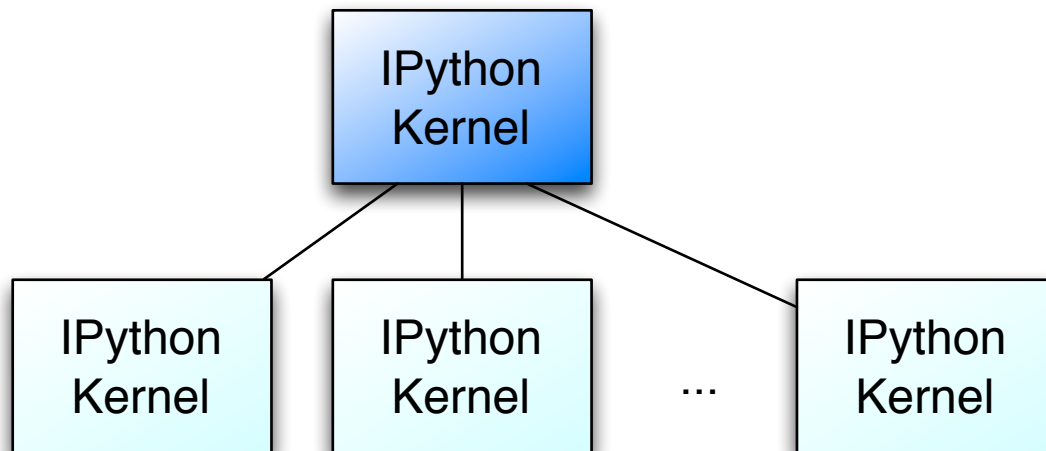
# IPython & IPython Notebook

- Authoring system based on *cells*
  - Markdown Text
  - Python program fragments

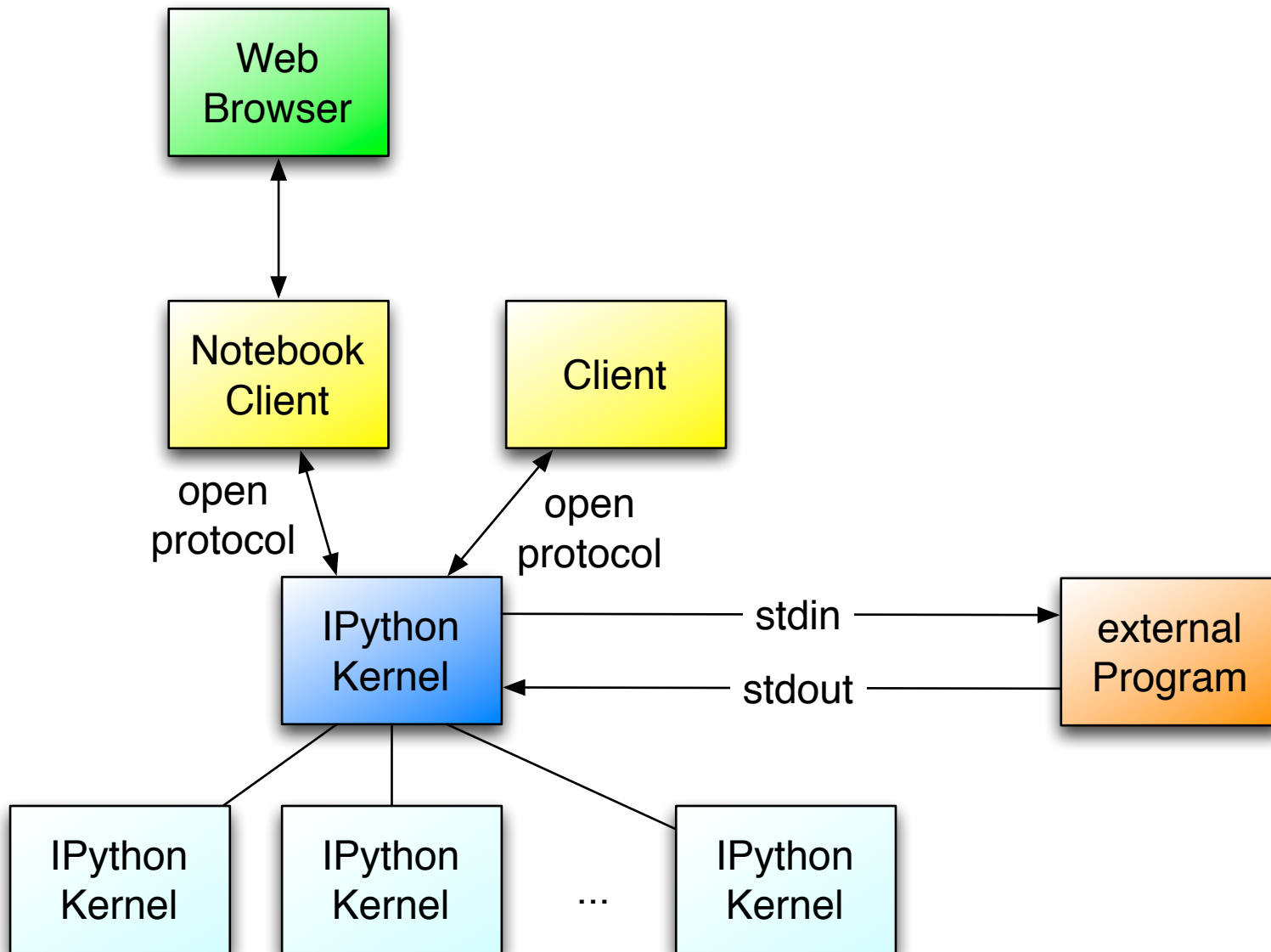
# IPython & IPython Notebook - architecture



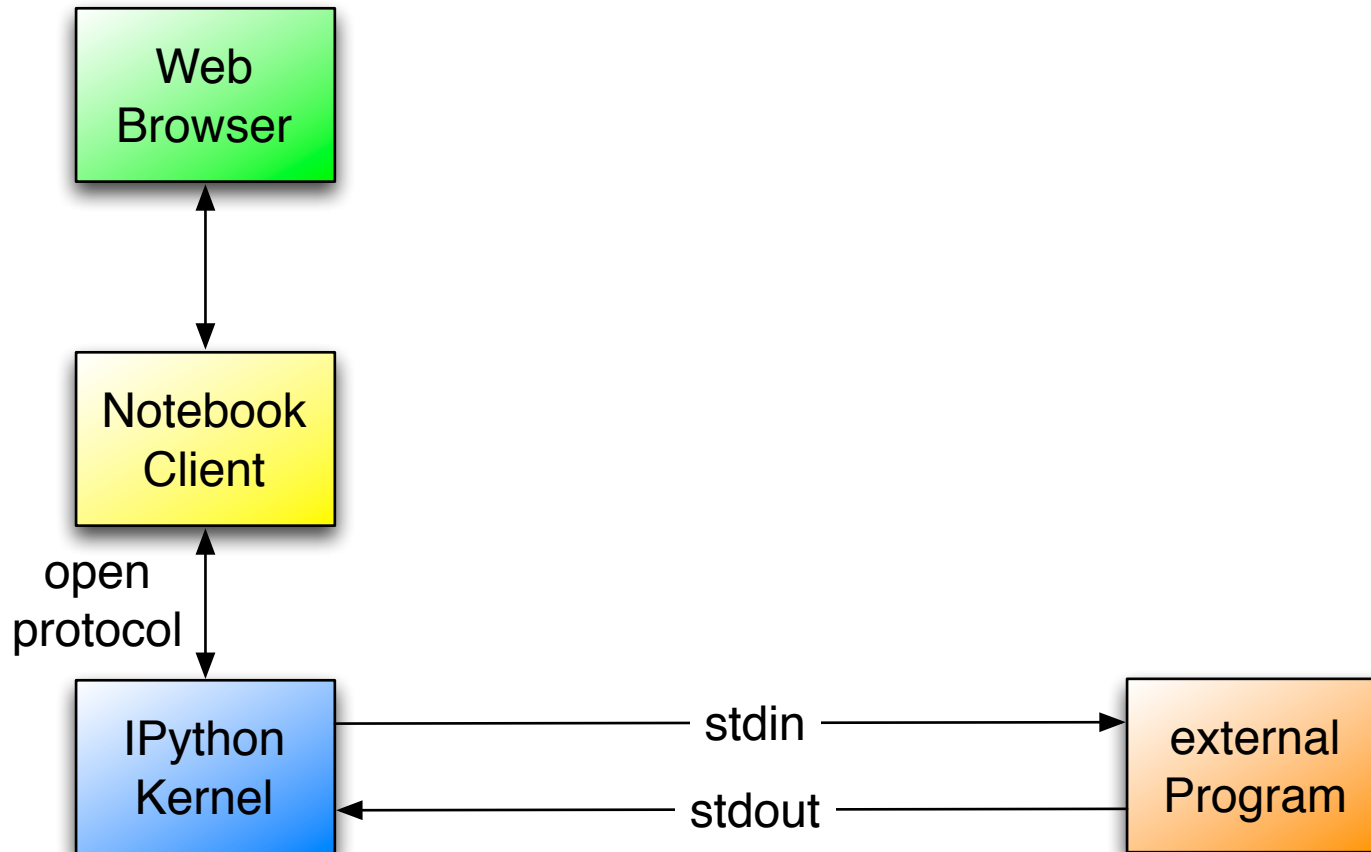
# IPython & IPython Notebook - architecture



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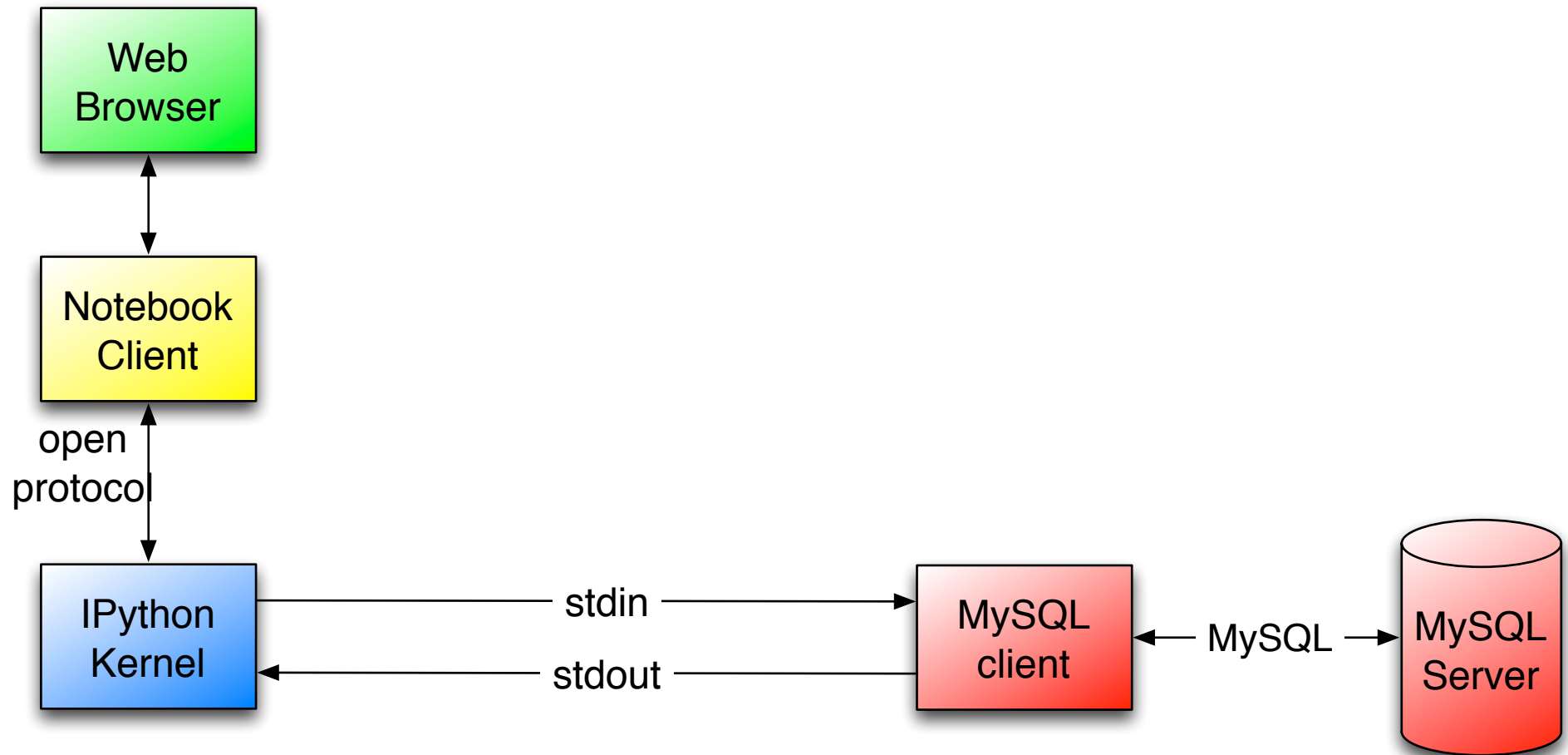


# IPython & IPython Notebook - architecture





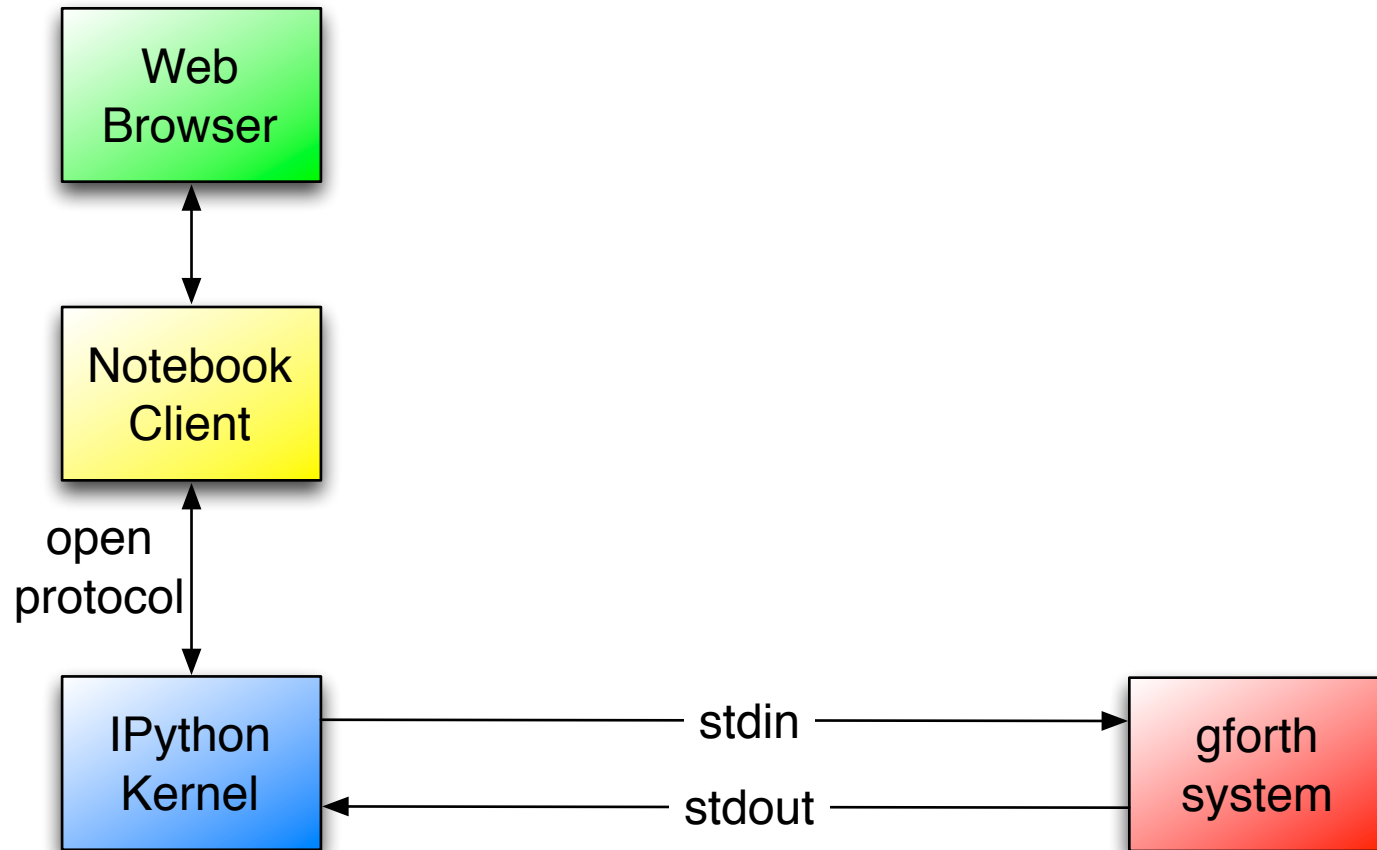
# IPython & IPython Notebook - architecture



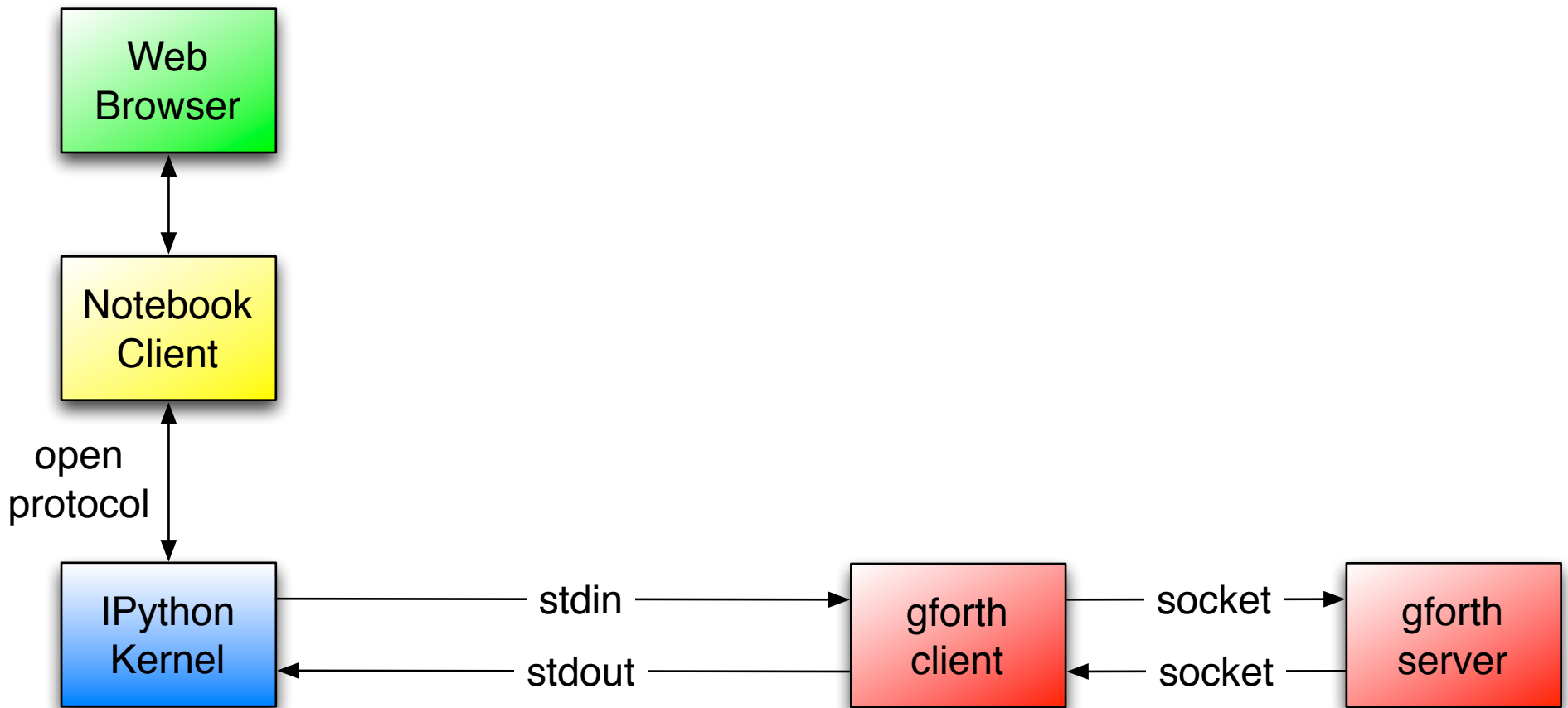
# Connect Forth to IPython notebook

- Well, a Forth system is also just a program...

# Connect Forth to IPython notebook



# Connect Forth to IPython notebook

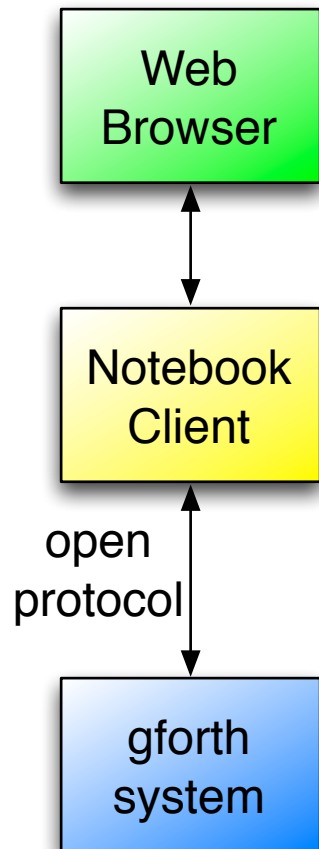


# Demo

# next

- Use IPython as a Literal Terminal for Launchpad...
- Directly connect the IPython client to Forth

# Directly connect the IPython client to Forth



- ZeroMQ for Forth



*Fork me on GitHub*

- <https://github.com/uho/forth-notebooks>