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Setting Up Jupyter Notebook with JavaScript, Python2 and Python3 Support

📅 Sep 12, 2016 | 📁 Tools | 📄 1124 Hits

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[Jupyter Notebook](#) is an awesome web application that allows you to edit, run and share Python and Javascript in browsers. This post details the steps to install and configure Jupyter Notebook to support JavaScript, Python2 and Python3 at the same time.

Step1: Install Python

```
brew install python python3
```

After that, you should have `python2` , `python3` , `pip2` and `pip3` installed.

Step2: Install IPython and Notebook

```
pip2 install ipython notebook  
pip3 install ipython notebook
```

After this step, you should have `ipython2` and `ipython3` in hand, type `which ipython2` and `which ipython3` to check that.

[IPython](#) is an enhanced interactive shell, and it's highly recommended to use it instead of the classic python interpreter.

Step3: Add the Python Kernels

```
ipython2 kernel install  
ipython3 kernel install
```

The kernel configuration files will be located at `/usr/local/share/jupyter/kernels` .

Step4: Add the JavaScript Kernel

Prerequisite: Make sure you have [Node.js](#) properly installed.

[JavaScript](#) is an npm package that implements a Javascript kernel for the Jupyter notebook. Run the following command to install it:

```
npm install -g ijavascript
```

You need to run `ijs` once to let IJavascript add the js kernel to the Jupyter notebook.

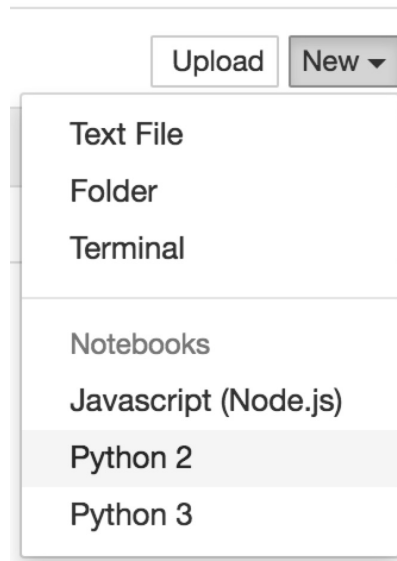
Now, we have all the needed kernels installed.

A Validation

In the right directory you want your notebooks in, run:

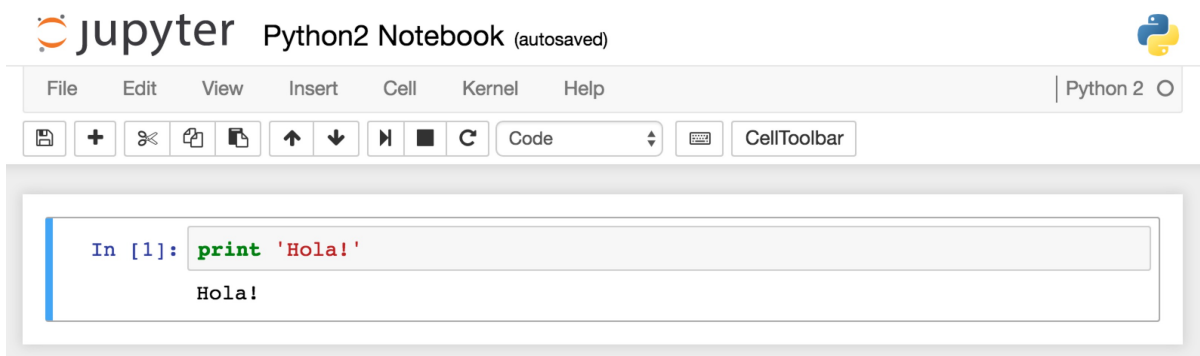
```
jupyter notebook
```

Visit: <http://localhost:8888/tree>, click the ***New*** drop-down button on the right side, and you'll see the kernels:

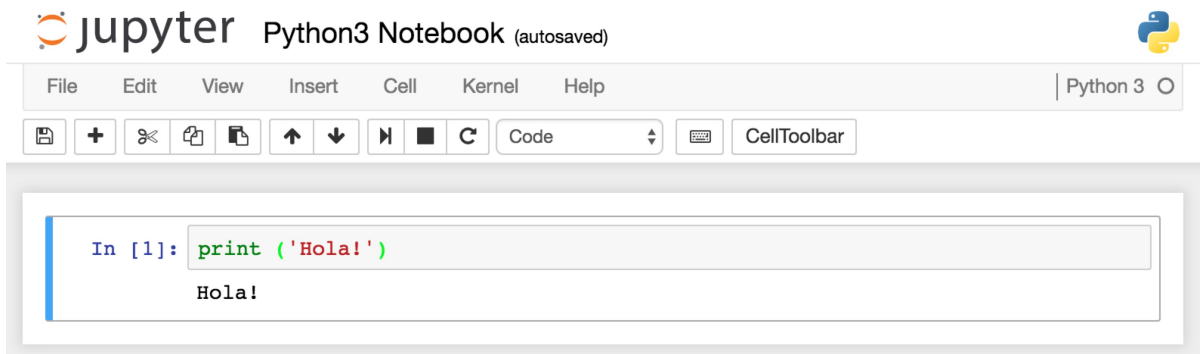


kernel list

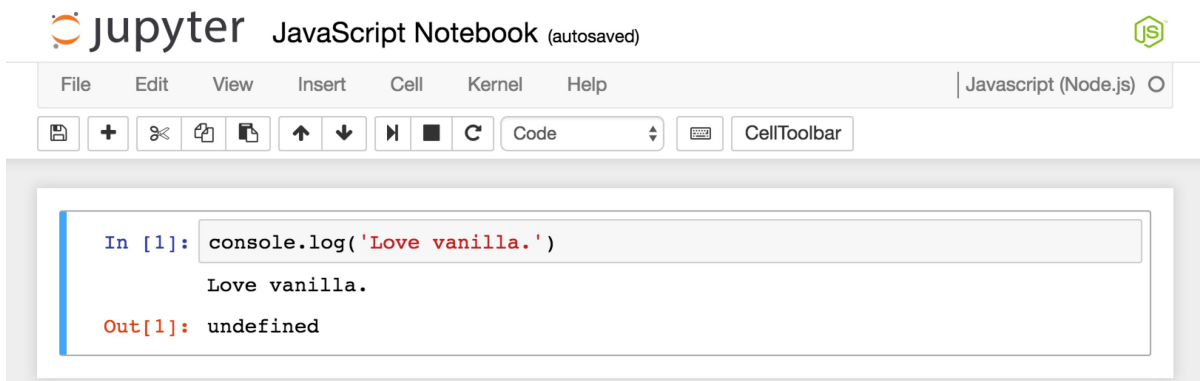
You can play around with these kernels:



python2



python3



javascript

Conclusion

This post shows the steps to install and configure the Jupyter Notebook to support Python2&3 and JavaScript at the same time. Jupyter Notebook supports Markdown, and you can write comments and docs with it. For advanced users, you can add your own [magic command](#) to speed up your development and testing. Have fun!

🔗 JavaScript 🔗 Python

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