

sys.path different in Jupyter and Python - how to import own modules in Jupyter?

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In Jupyter my own little module is not loaded but in python/bpython is everything is fine. When typing

```
import sys
print(sys.path)
```

the path to my module will not show in Jupyter but in python/bpython it is still there.

I am using:

1. PYTHONPATH in .bashrc to include my module,
2. Jupyter and bpython inside a virtualenv.

The most similar questions is this [Cannot import modules in jupyter notebook: wrong sys.path](#)

How to configure Jupyter to load my modules automatically?

python jupyter pythonpath

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edited May 23 '17 at 12:02
Community 1 1

asked Jan 24 '16 at 14:12
ulf 199 1 2 5

1 have you tried running `sys.path.append('/path/to/your/code')` within the Jupyter ipython shell or notebook? If that works, you can add this command to the ipython profile. — [miraculox](#) Jan 24 '16 at 14:46

1 thank you for your hint with the ipython profile. I was not aware that ipython/jupyter does it own thing. A good instruction what to do is found here [lucypark.kr/blog/2013/02/10/...](#) — [ulf](#) Jan 25 '16 at 14:16

One general comment is to run both through an anaconda environment. That way you a) do not mess with system files, b) have both running the same versions of packages and avoid confusions. Also for your module, it's quite easy to write a setup.py and install an editable version of it in the environment. That way you can do `import my module` straight away. — [GrigorisG](#) Mar 26 '17 at 12:04

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3 Answers

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Here is what I do on my projects in jupyter notebook,

```
import sys
sys.path.append("../") # go to parent dir
from customFunctions import *
```

Then, to affect changes in `customFunctions.py`,

```
%load_ext autoreload
%autoreload 2
```

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edited Mar 10 '17 at 22:47

answered Mar 10 '17 at 20:53
[Dogan Askan](#)
481 6 13

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Jupyter has its own PATH variable, JUPYTER_PATH.

Adding this line to the `.bashrc` file worked for me:

```
export JUPYTER_PATH=<directory_for_your_module>:$JUPYTER_PATH
```

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edited Sep 12 '17 at 15:28

answered Sep 12 '17 at 15:13
[N. P.](#)
389 2 8

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Jupyter is based on ipython, a permanent solution could be changing the ipython config options.

2 Create a config file

```
$ ipython profile create
$ ipython locate
/Users/username/.ipython
```

Edit the config file

```
$ cd /Users/username/.ipython
$ vi profile_default/ipython_config.py
```

The following lines allow you to add your module path to sys.path

```
c.InteractiveShellApp.exec_lines = [
    'import sys; sys.path.append("/path/to/your/module")'
]
```

At the jupyter startup the previous line will be executed

Here you can find more details about ipython config <https://www.lucypark.kr/blog/2013/02/10/when-python-imports-and-ipython-does-not/>

asked 3 years, 1 month ago

viewed 41,141 times

active 9 months ago



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answered May 12 '18 at 11:20

 **Mattia Fantoni**
131 • 2 • 4

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