
jupyterlab*commandsDocumentation*

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Support for arbitrary python commands in the command palette.

[Build Status](#) [GitHub issues](#) [Coverage](#) [PyPI](#) [PyPI](#) [npm](#)

CHAPTER 1

About

This code lets you inject arbitrary commands into the JLab frontend. There are a variety of reasons why one might want to execute python commands outside of a notebook and a console:

- a predefined NBConvert function that you dont want included in the converted result
- interacting with VCS without including that interaction in the notebook
- etc...

CHAPTER 2

Installation

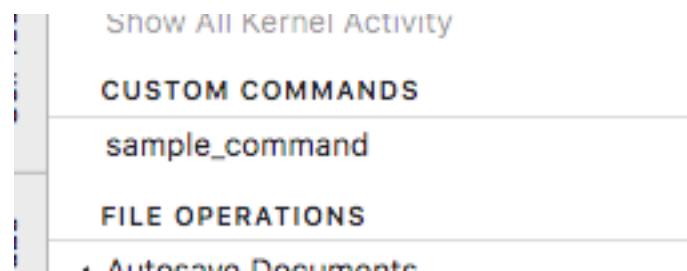
```
pip install jupyterlab_commands
jupyter labextension install jupyterlab_commands
jupyter serverextension enable --py jupyterlab_commands
```


3.1 jupyter_notebook_config.py

```
def convertMe(request, *args, **kwargs):
    import subprocess, tornado, os, os.path, json
    data = json.loads(tornado.escape.json_decode(request.body))
    path = os.path.join(os.getcwd(), data['path'])
    subprocess.run(["jupyter", "nbconvert", path, '--template', '/Users/theocean154/.
↪jupyter/test.tpl', '--to', 'html'])
    return {'body': 'ok'}

c.JupyterLabCommands.commands = {'sample_command': convertMe}
```

3.2 command palette



3.3 terminal log

```
[I 13:27:28.705 LabApp] Adapting to protocol v5.1 for kernel 6bd8a698-1f01-44d7-a642-2958744ed4be
[I 13:27:28.705 LabApp] Adapting to protocol v5.1 for kernel 6bd8a698-1f01-44d7-a642-2958744ed4be
npm WARN prepublish-on-install As of npm@5, `prepublish` scripts are deprecated.
npm WARN prepublish-on-install Use `prepare` for build steps and `prepublishOnly` for upload-only.
npm WARN prepublish-on-install See the deprecation note in `npm help scripts` for more information.

> jupyterlab_templates@0.1.8 prepublish /Users/theocean154/Programs/projects/jupyterlab_templates
> npm run build

> jupyterlab_templates@0.1.8 build /Users/theocean154/Programs/projects/jupyterlab_templates
> tsc

HERE
(HTTPServerRequest(protocol='http', host='localhost:8888', method='GET', uri='/commands/run?command=sample_command', version='HTTP/1.1', remote_ip='::1'),)
{}
```

3.4 No Code

CUSTOM COMMANDS

HTML - no code

PDF - no code

sample_command

Moved to [jupyterlab_nbconvert_nocode](#) **BACK**

CHAPTER 4

Install

```
pip install jupyterlab_commands
jupyter labextension install jupyterlab_commands
jupyter serverextension enable --py jupyterlab_commands
```


CHAPTER 5

Adding commands

install the server extension, and add the following to `jupyter_notebook_config.py`

```
c.JupyterLabCommands.commands = {'command display name': python_function, ...}
```


CHAPTER 6

API Documentation

j

[jupyterlab_commands](#), 13

J

jupyterlab_commands (*module*), 13