

Diving into IPython notebook

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Outline

1. 豆瓣东西双11临时后台
2. ipynb -> html (nbconvert/with tpl)
3. nbconvert原理 & **ipynb-viewer**
4. **用ipynb写blog(pelican/nikola)**
5. third-party libraries & components
6. nbextensions & custom nb-extensions
7. emacs keymap & custom shortcuts
8. a custom widget with selectize.js

为什么用ipython做临时后台

1. 不需要建表, 不用学web开发, 不用自己写MVC
2. 开发迭代很快
3. 安全性好 -> <https://mkpasswd>
4. 禁掉危险的magic/内置函数/模块方法
5. 在线debug

把ipynb转换成html

```
ipython nbconvert --to html double11.ipynb \  
--profile=double11
```

```
ipython nbconvert double11.ipynb \  
--template double11.tpl
```

nbconver原理

-nbconvert.ipynb

<https://github.com/dongweiming/lpynb-viewer>

用ipynb写博客(pelican/nikola)

http://dongweiming.github.io/divingintoipynb_pelican/

http://dongweiming.github.io/divingintoipynb_nikola/

Rich display system

third-party libraries

tornado

jinja2

pygments

javascript components

backbone

requireJS

marked

mistune

codemirror

bootstrap tour

term.js

已有的notebook extensions

drag-and-drop

chrome_clipboard(command+c/x/v)

comment-uncomment(alt+c)

runtools(alt+x/t/r/a/b)

rubberband(shift+left)

[IPython-notebook-extensions](#)

custom nb-extensions

toggle_full_textarea

emacs keymap & custom shortcuts

a custom widget with selectize.js

SelectizeWidget

[Container Widgets - IPython Widgets](#)
[Advanced IPython Notebook Widgets](#)

其它

1. [iruby](#)

2. [bipython](#)

2. [Importing IPython Notebooks as Modules](#)

3. [base16-ipython-notebook](#)

Q & A

<https://github.com/dongweiming/divingintoipynb>