



Logistics for the EuroPython 2016 *lpython-in-depth tutorial*

Based on the *official tutorial*

Monday 18th July, Room E - 2:15 PM, Bilbao ;-)

**We will break for half an hour at 3:30 PM
(Conference break)**

we will still be available to help on the exercises





Setup-1: Open the tutorial page

Open the tutorial page on github

- github.com/mjbright/ipython-in-depth

Open this document

- [*EuroPython2016-Logistics.ipynb*](#)



Setup-2: Gitter channel

During the session you are encouraged to ask, and answer questions on the *Gitter Channel* here:

- <https://gitter.im/mjbright/ipython-in-depth>.

Please connect to the Gitter Channel

It is hoped that you can *help each other*.

You are welcome - *and encouraged* - to provide feedback after the session on this channel.



Setup-3: Download the tutorial repository

Either perform a git clone

- git clone <https://github.com/mjbright/ipython-in-depth>

or download the zip file

- on command-line, wget <https://github.com/mjbright/ipython-in-depth/archive/master.zip>

or download a zip file from the github page (following page) or from this [link to master.zip](#)

Then unzip the file

Setup-4: Download the tutorial repository using the Browser

select "Clone or Ownload" then "Download ZIP"

The screenshot shows the GitHub interface for the repository 'mjbright / ipython-in-depth'. At the top, there are buttons for 'Unwatch' (2), 'Star' (1), and 'Fork' (204). Below this is a navigation bar with 'Code', 'Pull requests' (1), 'Pulse', 'Graphs', and 'Settings'. The main content area shows the repository name and a description: 'IPython in-depth Tutorial, first presented at PyCon 2012 — Edit'. Below this is a summary bar with '266 commits', '5 branches', '4 releases', and '15 contributors'. A secondary bar contains 'Branch: master', 'New pull request', 'Create new file', 'Upload files', 'Find file', and a green 'Clone or download' button. A dropdown menu is open from the 'Clone or download' button, showing 'Clone with SSH' (with a 'Use HTTPS' link) and the SSH URL 'git@github.com:mjbright/ipython-in-depth.g'. Below the SSH option are 'Open in Desktop' and 'Download ZIP' buttons. The 'Download ZIP' button is highlighted. In the background, a commit list is visible, showing a commit by Michael Bright titled 'Updated for Jupyter' with sub-items 'examples' (Fix typo), 'exercises' (Update widget exercises), and 'images' (Initial logistics page and renamed).



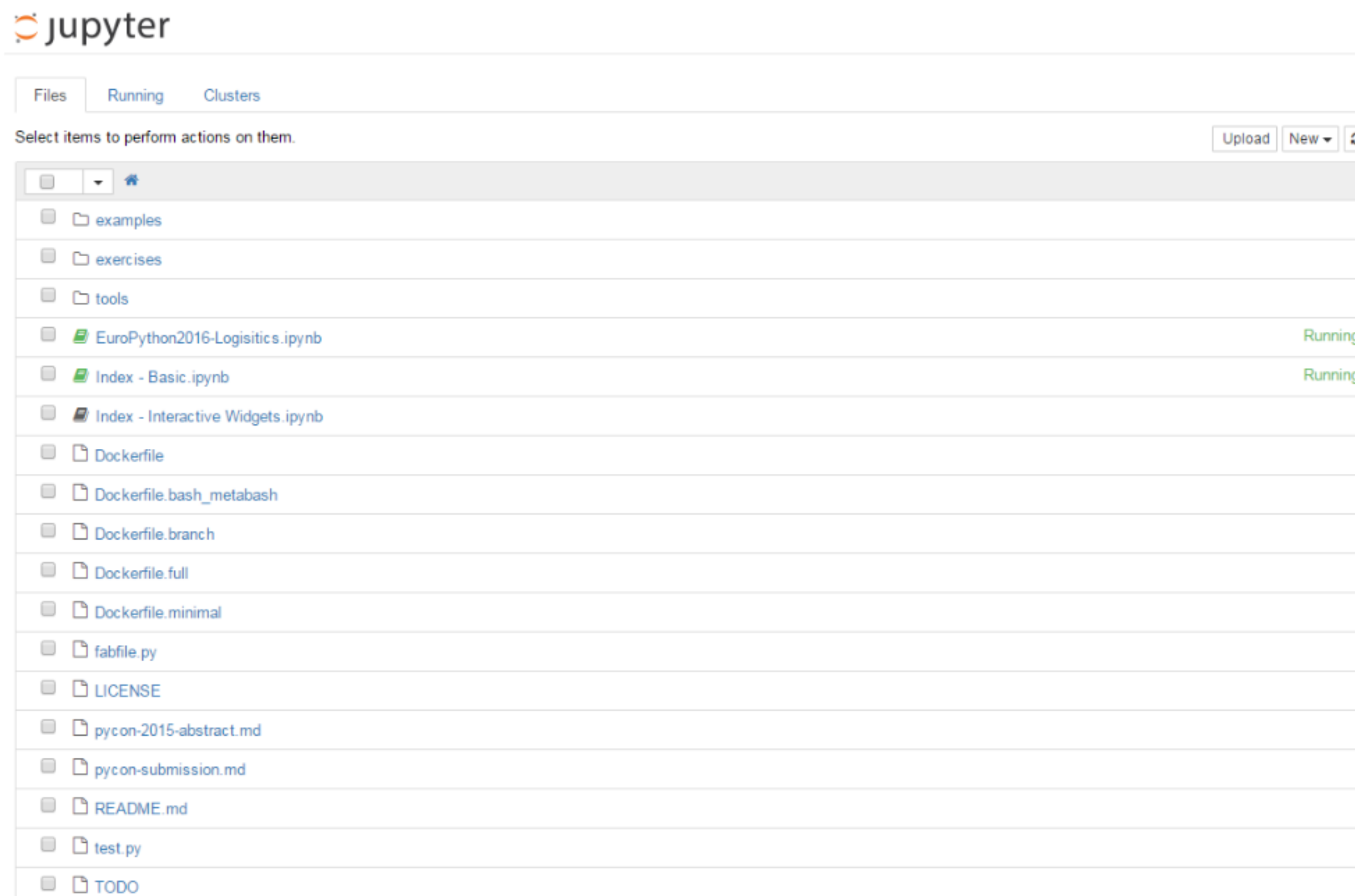
Setup-5: Jupyter Installation

A quick [installation check](#)

- We recommend to install the Anaconda Python distribution
- USB keys are available
 - signup on the Anaconda Download [page](#)
- Launch the notebook using the **jupyter notebook** command
- Open the *dashboard* by pointing your browser at
 - <http://localhost:8888>

Setup-6: Jupyter Installation-2

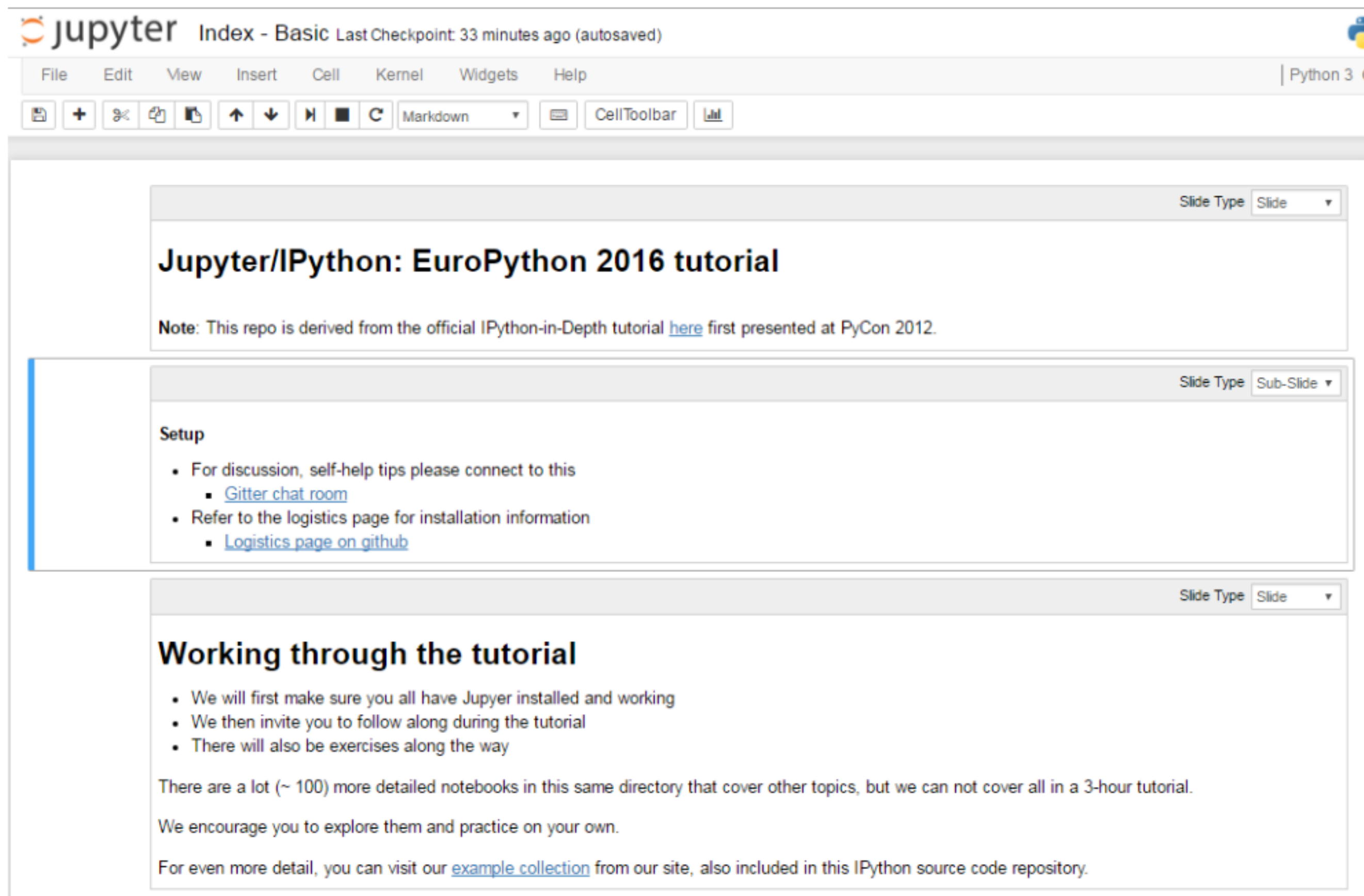
- If you see this in your Browser you're good to go !
- If not please ask for help



The screenshot shows the Jupyter web interface. At the top left is the Jupyter logo. Below it are tabs for 'Files', 'Running', and 'Clusters'. The 'Files' tab is active, showing a file browser. The text 'Select items to perform actions on them.' is displayed above the file list. On the right side of the file list, there are buttons for 'Upload', 'New', and a refresh icon. The file list contains the following items:

Item	Status
examples	
exercises	
tools	
EuroPython2016-Logisitics.ipynb	Running
Index - Basic.ipynb	Running
Index - Interactive Widgets.ipynb	
Dockerfile	
Dockerfile.bash_metabash	
Dockerfile.branch	
Dockerfile.full	
Dockerfile.minimal	
fabfile.py	
LICENSE	
pycon-2015-abstract.md	
pycon-submission.md	
README.md	
test.py	
TODO	

Start: open the *Index - Basic.ipynb* notebook



The screenshot shows a Jupyter notebook interface with a presentation view. The notebook is titled "Index - Basic" and was last checkpointed 33 minutes ago. The interface includes a menu bar (File, Edit, View, Insert, Cell, Kernel, Widgets, Help) and a toolbar with various icons. The presentation consists of three slides:

- Slide 1 (Slide Type: Slide):** Titled "Jupyter/IPython: EuroPython 2016 tutorial". It contains a note: "Note: This repo is derived from the official IPython-in-Depth tutorial [here](#) first presented at PyCon 2012."
- Slide 2 (Slide Type: Sub-Slide):** Titled "Setup". It contains a list of instructions:
 - For discussion, self-help tips please connect to this
 - [Gitter chat room](#)
 - Refer to the logistics page for installation information
 - [Logistics page on github](#)
- Slide 3 (Slide Type: Slide):** Titled "Working through the tutorial". It contains a list of instructions:
 - We will first make sure you all have Jupyter installed and working
 - We then invite you to follow along during the tutorial
 - There will also be exercises along the way

There are a lot (~ 100) more detailed notebooks in this same directory that cover other topics, but we can not cover all in a 3-hour tutorial.

We encourage you to explore them and practice on your own.

For even more detail, you can visit our [example collection](#) from our site, also included in this IPython source code repository.