

Set up

Table of Contents

[Set up a remote session in CAMM2 with X2Go](#)

[Download all materials for the tutorial](#)

[Viewing ipython notebooks](#)

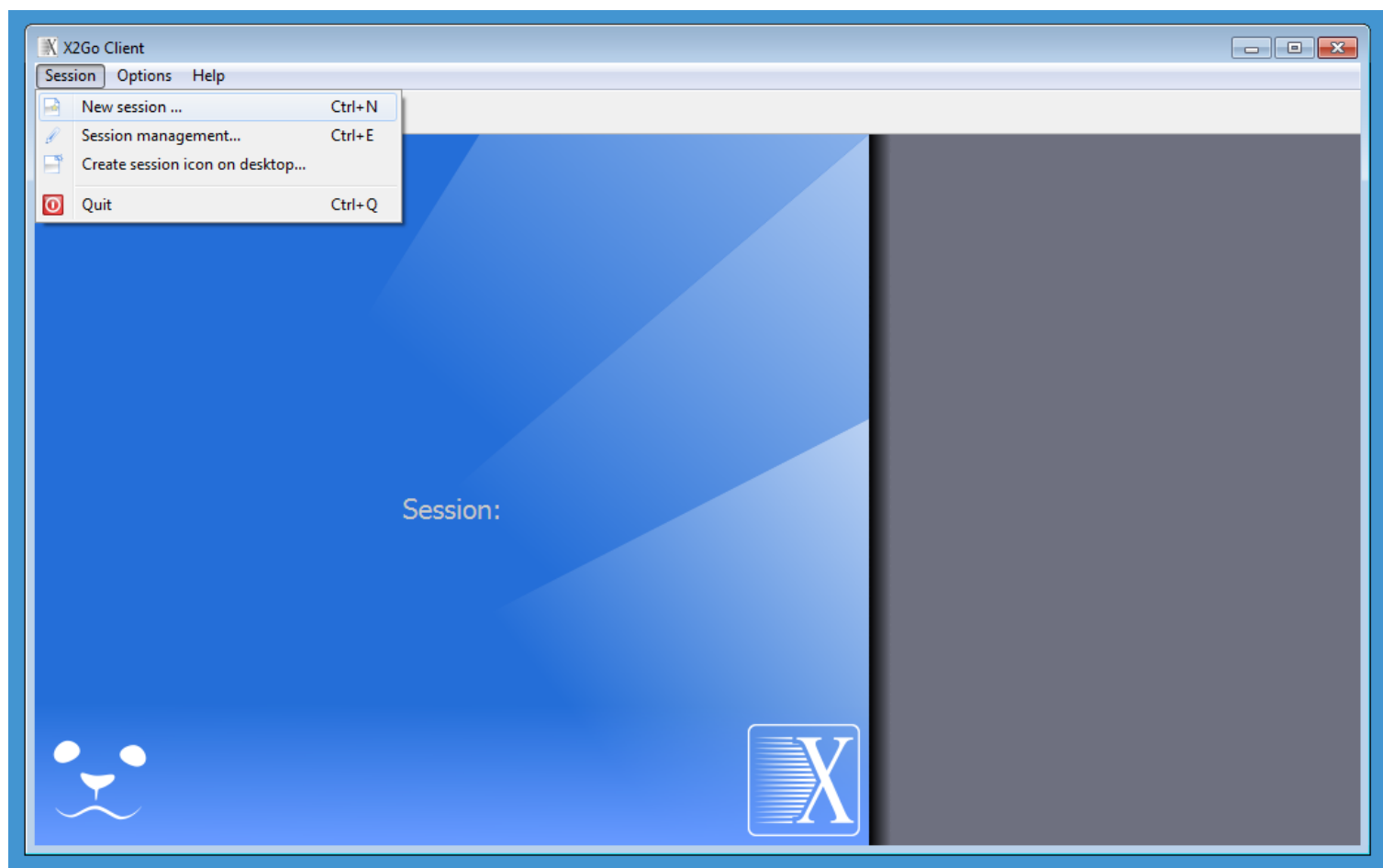
[Create your scratch area](#)

[\(Top\)](#)

Set up a remote session in CAMM2 with X2Go

By installing the X2Go client in your machine, you will be able to login remotely to camm2.sns.gov.

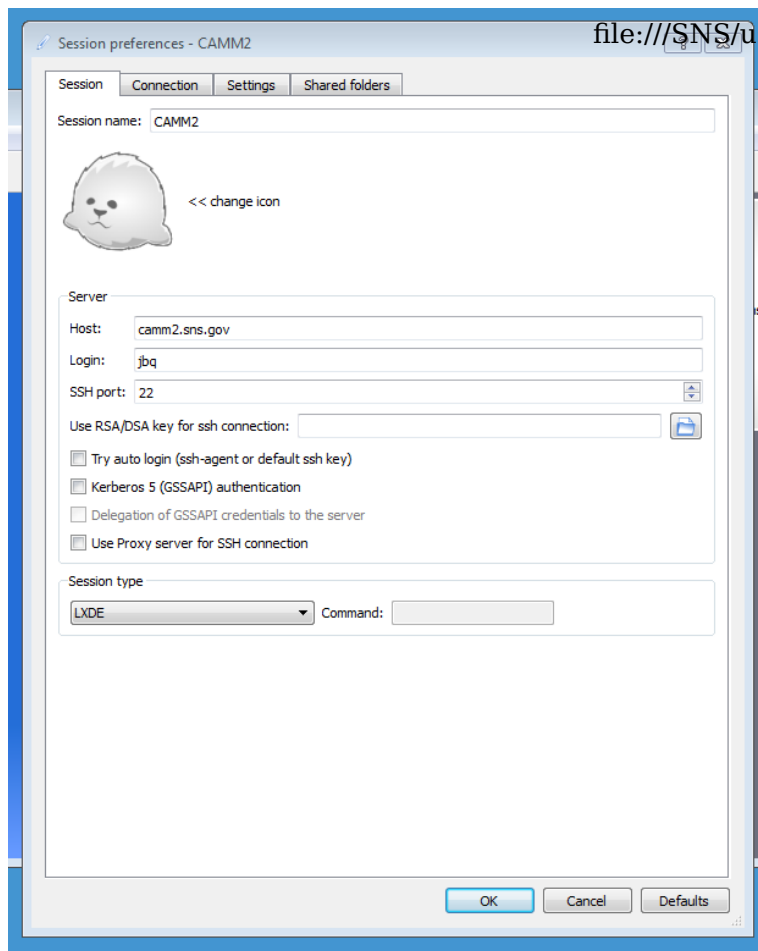
- Install in your machine the x2go client, downloadable [here](http://wiki.x2go.org/doku.php/start) (<http://wiki.x2go.org/doku.php/start>).
- Open x2go and start to configure a new session:



(supporting/x2go.1.PNG)

- In the session configuration dialog, name your session as "CAMM2", then enter "camm2.sns.gov" as *Host*, and enter your UCAMS/XCAMS username in the *Login* field. In *Session type*, select LXDE, which is an [lightweight desktop environment](http://lxde.org/) (<http://lxde.org/>), appropriate for remote connections. Finally, press OK.

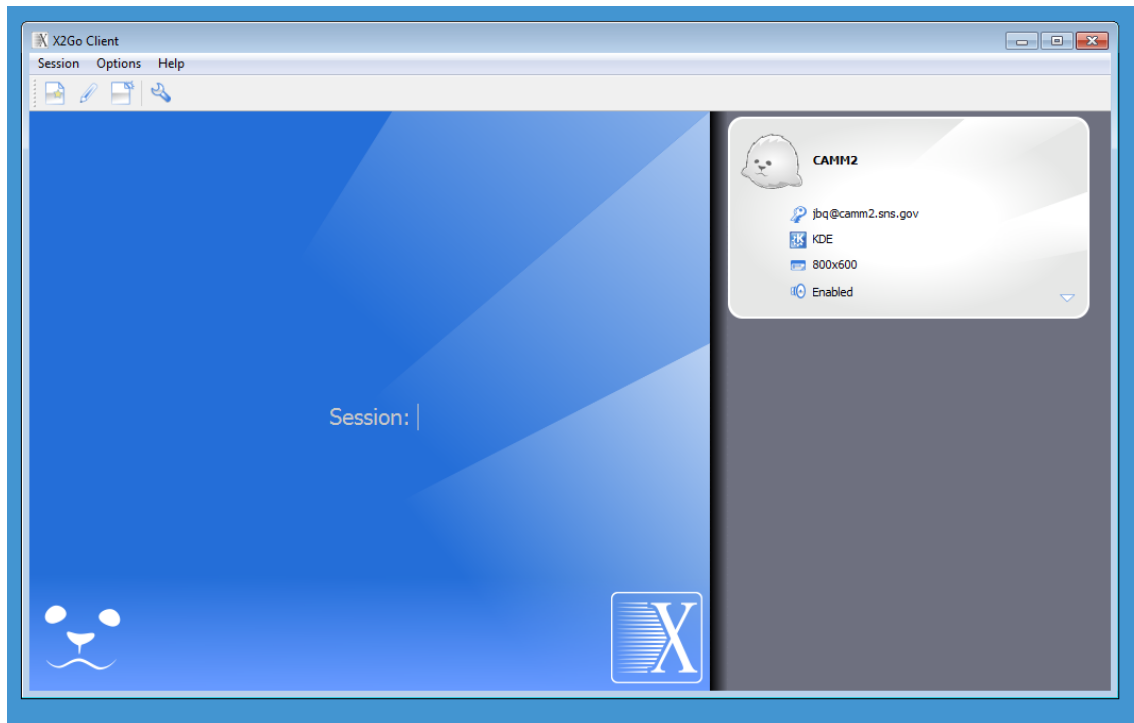
[]



file:///SNS/users/jbq/repositories/camm/SHUG201...

(supporting/x2go.2.PNG)

- You have now a CAMM2 session on the session panel. Congratulations!

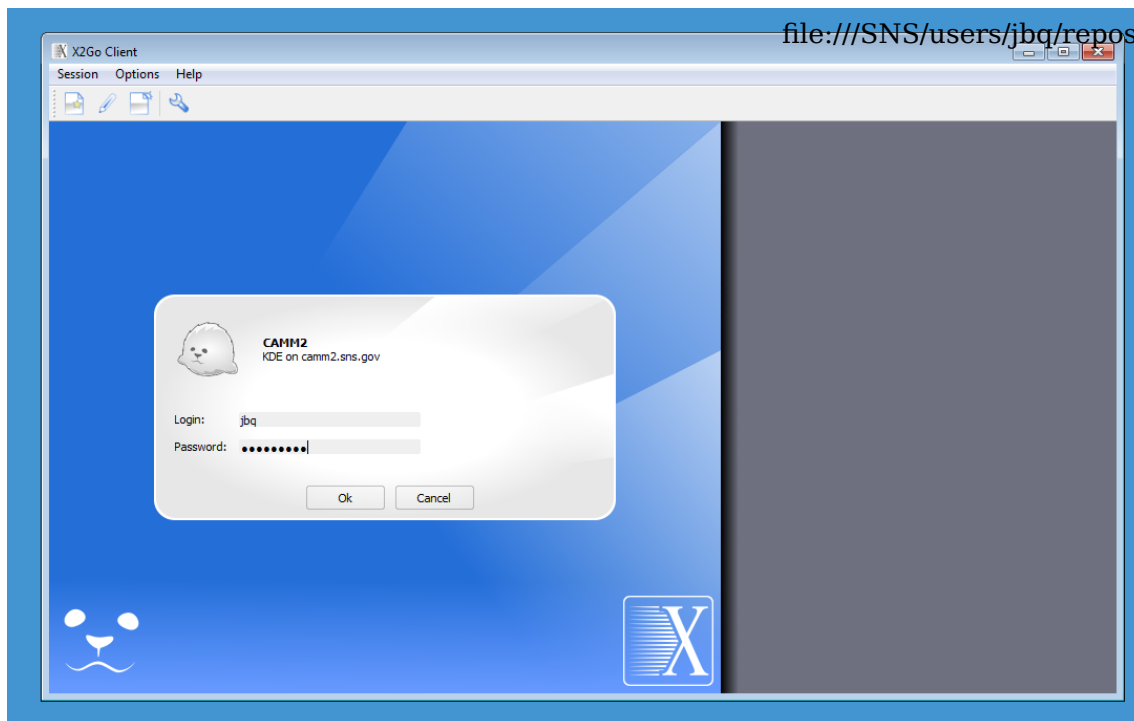


(supporting/x2go.3.PNG)

- To start this session, just click on the CAMM session. A dialog requesting your UCAMS/XCAMS password will open. Enter the password and press OK.

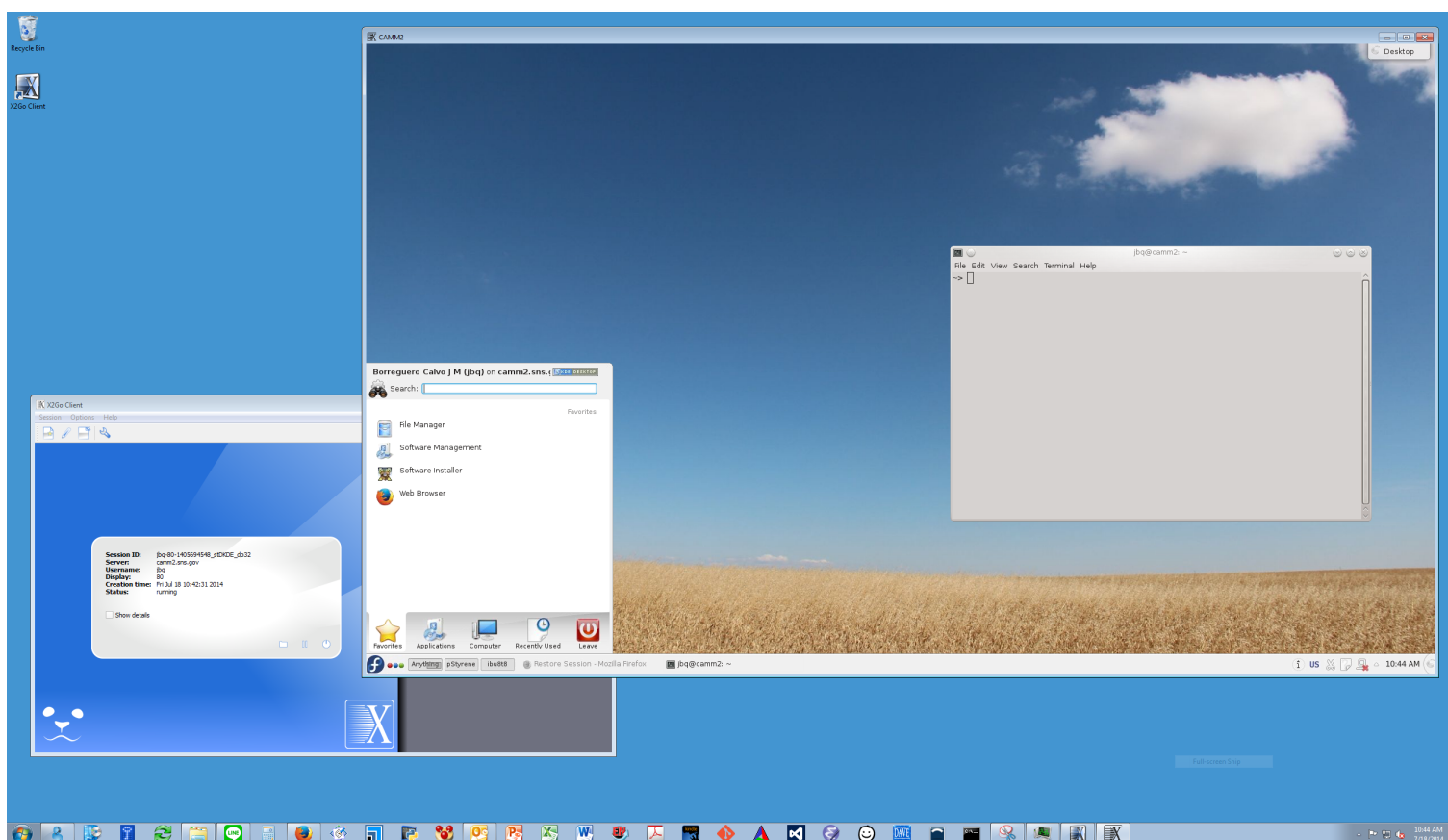
[]

file:///SNS/users/jbq/repositories/camm/SHUG201...



(supporting/x2go.4.PNG)

- Wait a moment until the remote session is established. This is a Linux environment, a minimum knowledge of Linux terminal commands is required. A nice intro is available at linuxcommand.org (<http://linuxcommand.org/>).



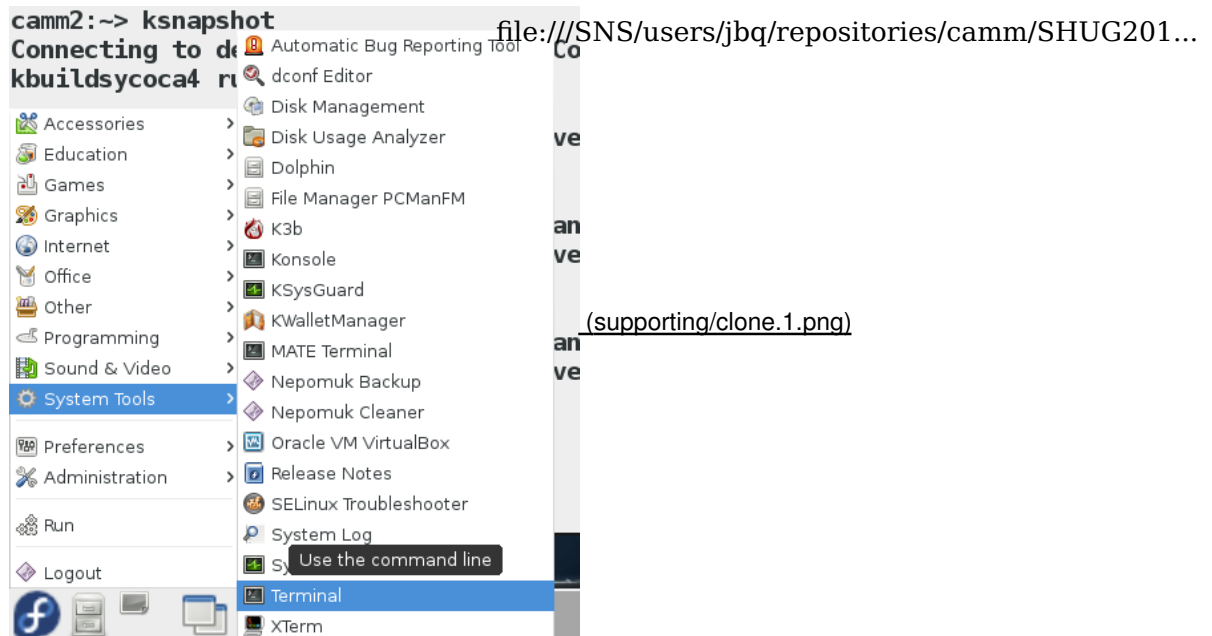
(supporting/x2go.5.PNG)

(Top)

Download all materials for the tutorial

30 of 60 you are logged in camm2.sns.gov, open a terminal from the Main menu \(\rightarrow\) System Tools: 10/22/2015 03:02 PM

[]



In the terminal, type:

```
cd $HOME
git clone https://github.com/camm/SHUG2015.git
```

These instructions will download the remote [GitHub repository \(https://github.com/camm/SHUG2015\)](https://github.com/camm/SHUG2015) into subdirectory *SHUG2015/*. This directory contains all files for the tutorial.

([Top](#))

Viewing ipython notebooks

Much of the discussion in this tutorial will be presented through [ipython notebooks \(http://ipython.org/notebook.html\)](http://ipython.org/notebook.html). You can view a notebook stored in the remote repository or in the local repository that you cloned:

- **View the notebook in the remote repository**

Point your web browser to the [notebook viewer \(http://nbviewer.ipython.org/github/camm/SHUG2015/tree/master/\)](http://nbviewer.ipython.org/github/camm/SHUG2015/tree/master/) for this tutorial. You will see the contents of the repository in GitHub.

Navigate to folder *setup*. Inside, you will find file *setup.ipynb*. Files with extension **ipynb** are ipython notebooks. Click in the file and the notebook will be displayed.

Note: this is a read-only view. You cannot change the contents of the notebook.

Other notebooks within the repository can be opened in the same way, navigating to their locations with the browser.

- **Open the notebook in the local repository**

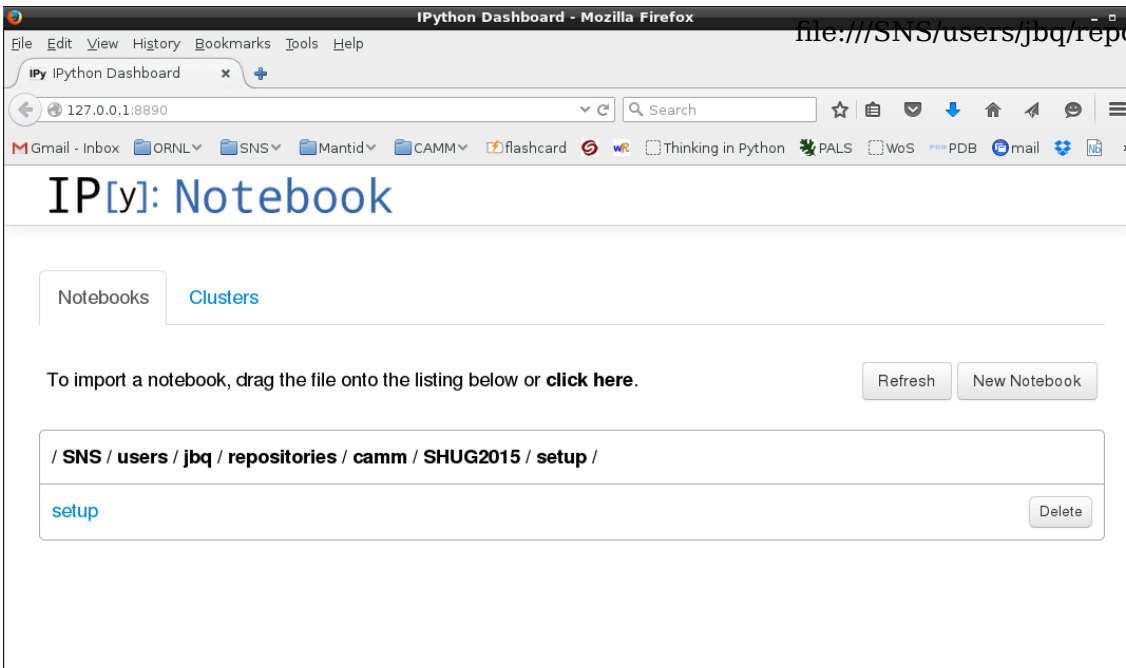
(This steps assumes you have downloaded all materials for the tutorial)

Open a terminal and type:

```
cd $HOME/SHUG2015/
cd setup/
ipython_notebook.py ./
```

Your web browser will open a tab showing the list of notebook files residing within subdirectory *setup/*:

[]



(supporting/notebook.1.png)

Click in "setup" and a new browser tab will open to display the notebook hosted in the remote repository.

Note: this is a read-write view. **You can edit the notebook and include your own notes!** Familiarize yourself with the [markdown syntax](https://daringfireball.net/projects/markdown/basics) (<https://daringfireball.net/projects/markdown/basics>) that is followed by ipython notebooks.

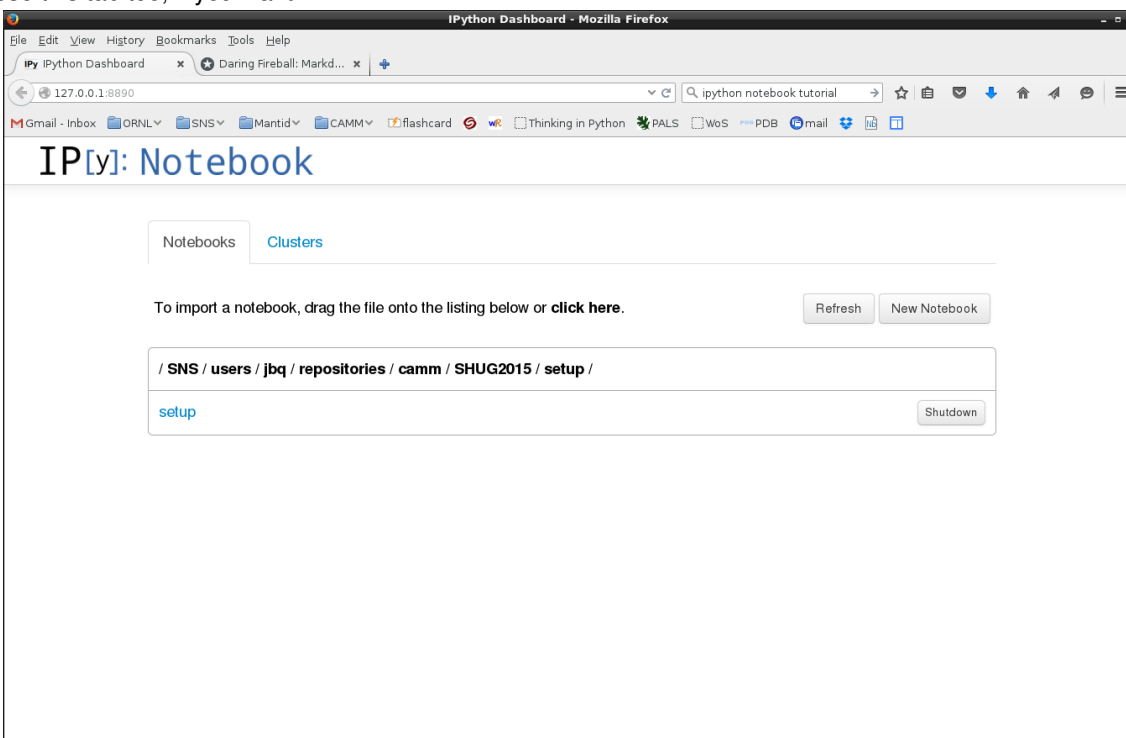
Other notebooks within the local repository can be opened in the same way, navigating to their locations with the terminal (Linux command `cd somedirectory`), and then issuing the command `ipython_notebook.py ./`.

- **Closing a notebook opened within the local repository**

There are three steps involved in closing a notebook that has been opened in the local repository:

1 Close the browser tab displaying the notebook.

2 In the browser tab displaying the list of notebooks, click the "shutdown" button corresponding to the notebook you just closed. You can close this tab too, if you want.



(supporting/notebook.2.png)

53 of 60 On the terminal where you typed `ipython_notebook.py ./`, press `Ctrl-c` and then answer "y" to the question "Do you want to abort the notebook server (y/[n])?"

10/23/2015 03:02 PM

