

Jupyter notebooks

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Start Jupyter from ClusterXnode1 as root

```
>> sudo su
>> cd notebooks
>> ./start_Jupyter_local.sh
```


Start Firefox and type in the browser:

[http://ClusterXNode1\(IP\):8888](http://ClusterXNode1(IP):8888)

First type: Copy_Paste the token in the Jupyter Notebook

```
root@cluster1node1:/home/admin/notebooks_collection# ls
derby.log          lab_classification_logisticregression.ipynb  lab_exercise_sql.ipynb          lab_sampling.ipynb
K-means.ipynb      lab_decission_tress.ipynb                    lab_exercise_sql_Solution.ipynb  lab_set.ipynb
lab_aggregations.ipynb  lab_exercisel.ipynb                          lab_key-value.ipynb            start_Jupyter_local.sh
lab_basics.ipynb      lab_exercisel_Solution.ipynb                  lab_mllib_statistics.ipynb
root@cluster1node1:/home/admin/notebooks_collection# ./start_Jupyter_local.sh
[I 15:10:31.939 NotebookApp] Writing notebook server cookie secret to /root/.local/share/jupyter/runtime/notebook_cookie_secret
[I 15:10:32.082 NotebookApp] Serving notebooks from local directory: /home/admin/notebooks_collection
[I 15:10:32.082 NotebookApp] 0 active kernels
[I 15:10:32.082 NotebookApp] The Jupyter Notebook is running at: http://0.0.0.0:8888/?token=a14fec2e06085d155c9a565229b2bedb1b349024516103de
[I 15:10:32.083 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
[W 15:10:32.084 NotebookApp] No web browser found: could not locate runnable browser.
[C 15:10:32.084 NotebookApp]






Copy/paste this URL into your browser when you connect for the first time,
to login with a token:
  http://0.0.0.0:8888/?token=a14fec2e06085d155c9a565229b2bedb1b349024516103de
[I 15:11:32.676 NotebookApp] 302 GET / (192.171.179.11) 1.69ms
[I 15:11:33.175 NotebookApp] 302 GET /tree? (192.171.179.11) 2.81ms
[I 15:12:06.624 NotebookApp] 302 POST /login?next=%2Ftree%3F (192.171.179.11) 3.15ms
[I 15:12:24.085 NotebookApp] Writing notebook-signing key to /root/.local/share/jupyter/notebook_secret
[W 15:12:24.089 NotebookApp] Notebook lab_basics.ipynb is not trusted
[I 15:12:26.383 NotebookApp] Kernel started: 4c7570f8-c10a-4c35-be96-8b6456bdc6b2
Setting default log level to "WARN".
To adjust logging level use sc.setLogLevel(newLevel). For SparkR, use setLogLevel(newLevel).
17/06/19 15:12:31 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
```

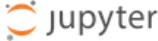


Notebooks

10.179.0.74:8888/tree?

Search





Logout

Files

Running

Clusters

Select items to perform actions on them.

Upload

New

<input type="checkbox"/>		Name	Last Modified
<input type="checkbox"/>	metastore_db		15 minutes ago
<input type="checkbox"/>	K-means.ipynb		18 minutes ago
<input type="checkbox"/>	lab_aggregations.ipynb		18 minutes ago
<input type="checkbox"/>	lab_basics.ipynb		4 minutes ago
<input type="checkbox"/>	lab_classification_logisticregression.ipynb		18 minutes ago
<input type="checkbox"/>	lab_decission_tress.ipynb		18 minutes ago
<input type="checkbox"/>	lab_exercise1.ipynb		18 minutes ago
<input type="checkbox"/>	lab_exercise1_Solution.ipynb		18 minutes ago
<input type="checkbox"/>	lab_exercise_sql.ipynb		18 minutes ago
<input type="checkbox"/>	lab_exercise_sql_Solution.ipynb		18 minutes ago
<input type="checkbox"/>	lab_key-value.ipynb		18 minutes ago
<input type="checkbox"/>	lab_mllib_statistics.ipynb		18 minutes ago
<input type="checkbox"/>	lab_sampling.ipynb		18 minutes ago
<input type="checkbox"/>	lab_set.ipynb		18 minutes ago
<input type="checkbox"/>	derby.log		15 minutes ago
<input type="checkbox"/>	kddcup.data_10_percent.gz		13 minutes ago
<input type="checkbox"/>	start_Jupyter_local.sh		18 minutes ago

“Trust” notebooks



Click in the button to trust the notebook,
and later start running it

Play line by line to run the commands and go through the notebook



Shutdown Notebook

Before running another notebook stop the one that is currently running
(if not, we will get errors)



The image shows a JupyterLab interface. At the top, there is a header bar with the Jupyter logo and the word "jupyter" on the left, and a "Logout" button on the right. Below the header, there are three tabs: "Files", "Running", and "Clusters". The "Running" tab is selected. Under the "Running" tab, it says "Currently running Jupyter processes". There are two sections: "Terminals" and "Notebooks". The "Terminals" section says "There are no terminals running." The "Notebooks" section shows a single notebook named "lab_sampling.ipynb" with a "Python 3" kernel. To the right of the notebook name is an orange "Shutdown" button and the text "seconds ago". A large blue arrow points upwards to the "Shutdown" button.

jupyter Logout

Files Running Clusters

Currently running Jupyter processes

Terminals ▼

There are no terminals running.

Notebooks ▼

lab_sampling.ipynb Python 3 Shutdown seconds ago

Download Notebook



Files

Running


Clusters


Duplicate


Rename


Move


Download





 1





☐  metastore_db


☐  K-means.ipynb


☐  lab_aggregations.ipynb


☐  lab_basics.ipynb


☐  lab_classification_logisticregression.ipynb


☐  lab_decission_tress.ipynb


☐  lab_exercise1.ipynb

☐  lab_exercise1_Solution.ipynb

☐  lab_exercise_sql.ipynb

☐  lab_exercise_sql_Solution.ipynb

☐  lab_key-value.ipynb

☐  lab_mllib_statistics.ipynb