



CAP - Developing with Spark and Hadoop:

Homework Assignment Guide for Students

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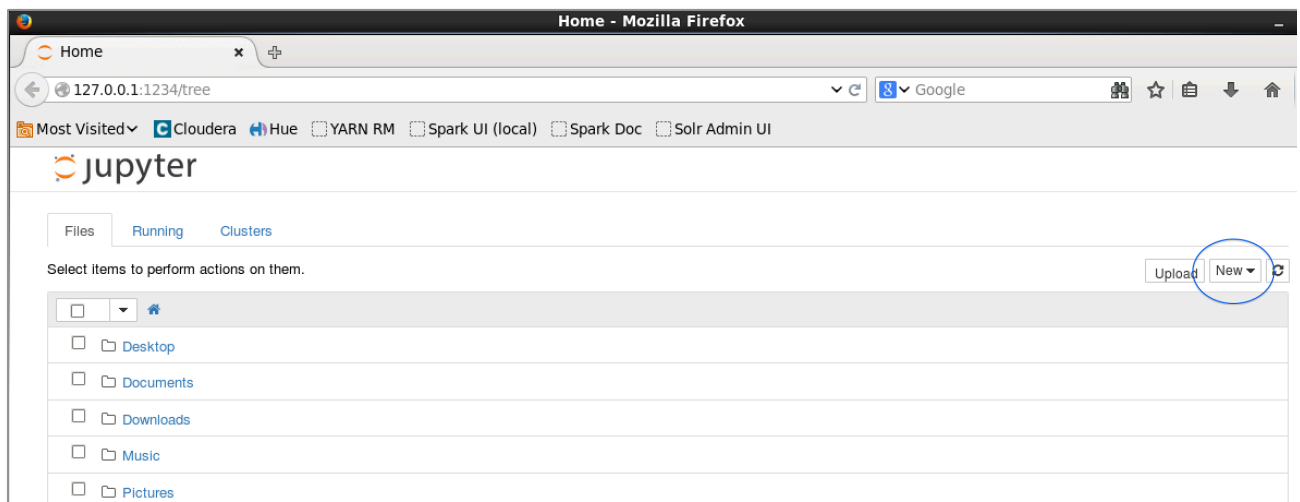
Appendix A: Enabling iPython Notebook

iPython Notebook is installed on the VM for this course. To use it instead of the command-line version of iPython, follow these steps:

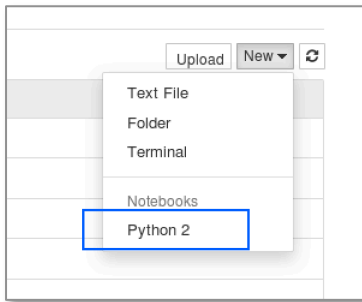
1. Open the following file for editing: `/home/training/.bashrc`
2. Uncomment out the following line (remove the leading `#`).

```
# export PYSPARK_DRIVER_PYTHON_OPTS='notebook .....jax'
```

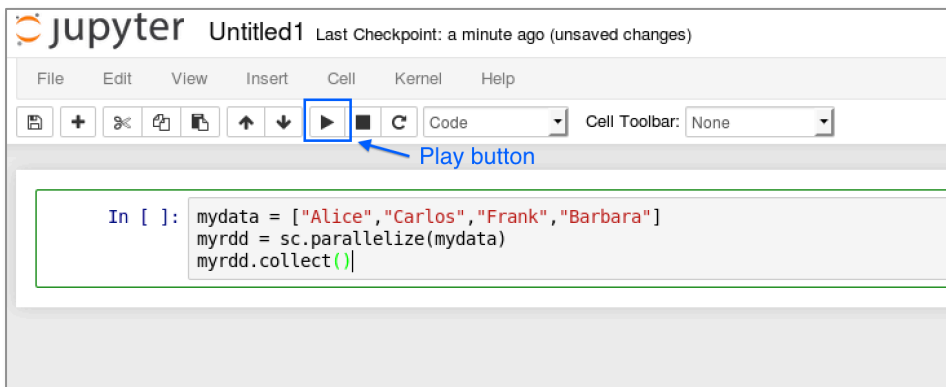
3. Save the file.
4. Open a new terminal window. (Must be a new terminal so it loads your edited `.bashrc` file).
5. Enter `pyspark` in the terminal. This will cause a browser window to open, and you should see the following web page:



6. On the right hand side of the page select **Python 2** from the **New** menu



7. Enter some spark code such as the following and use the play button to execute your spark code.



8. Notice the output displayed.

