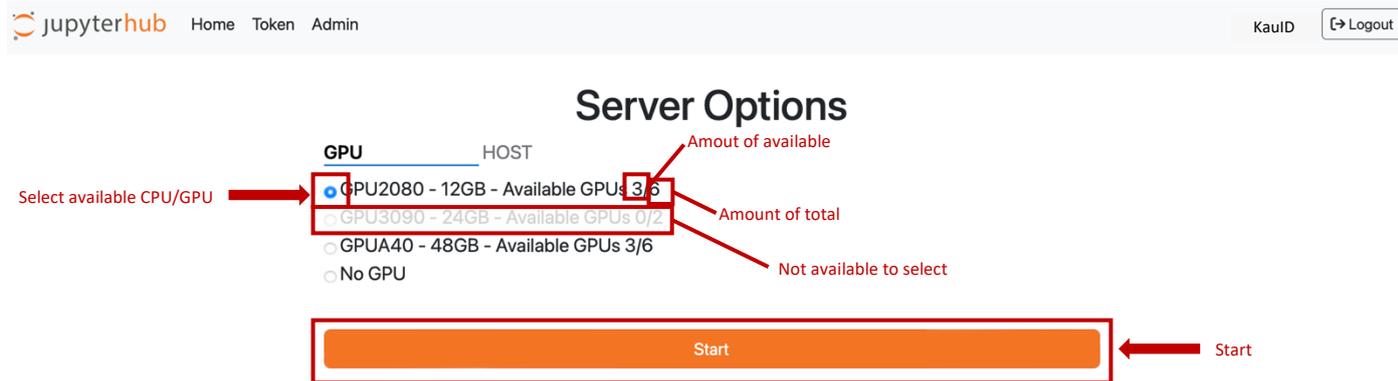


JupyterHub User Guide

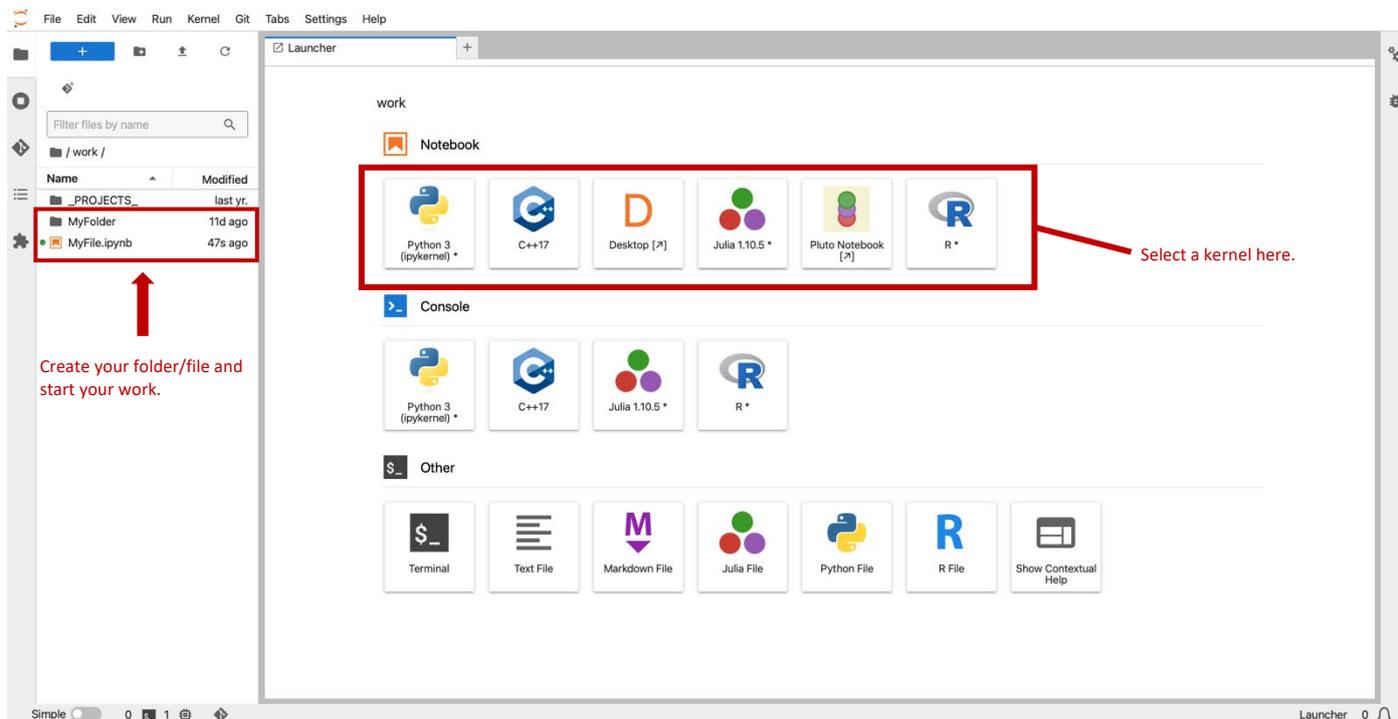
This document is the introduction of JupyterHub, where you can write and execute your code.

Start JupyterHub

- Go to <https://hub.cse.kau.se/>
- Log in with KAU ID and password and Start Server.
- If you are a GPU user, choose the CPU/GPU server to execute code (CPU user will log into an available CPU server without seeing the following interface).



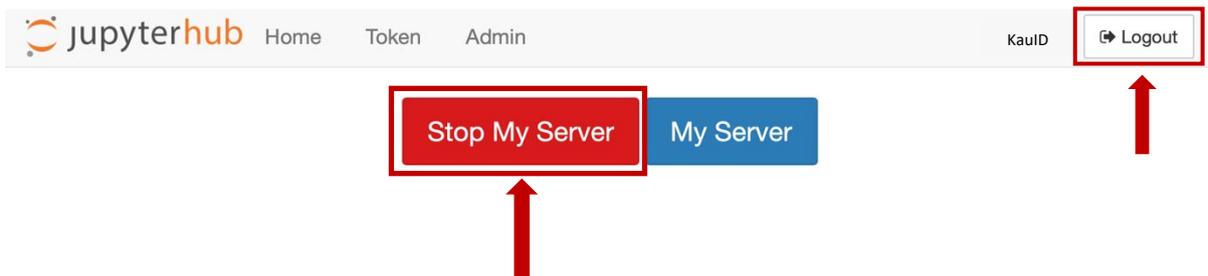
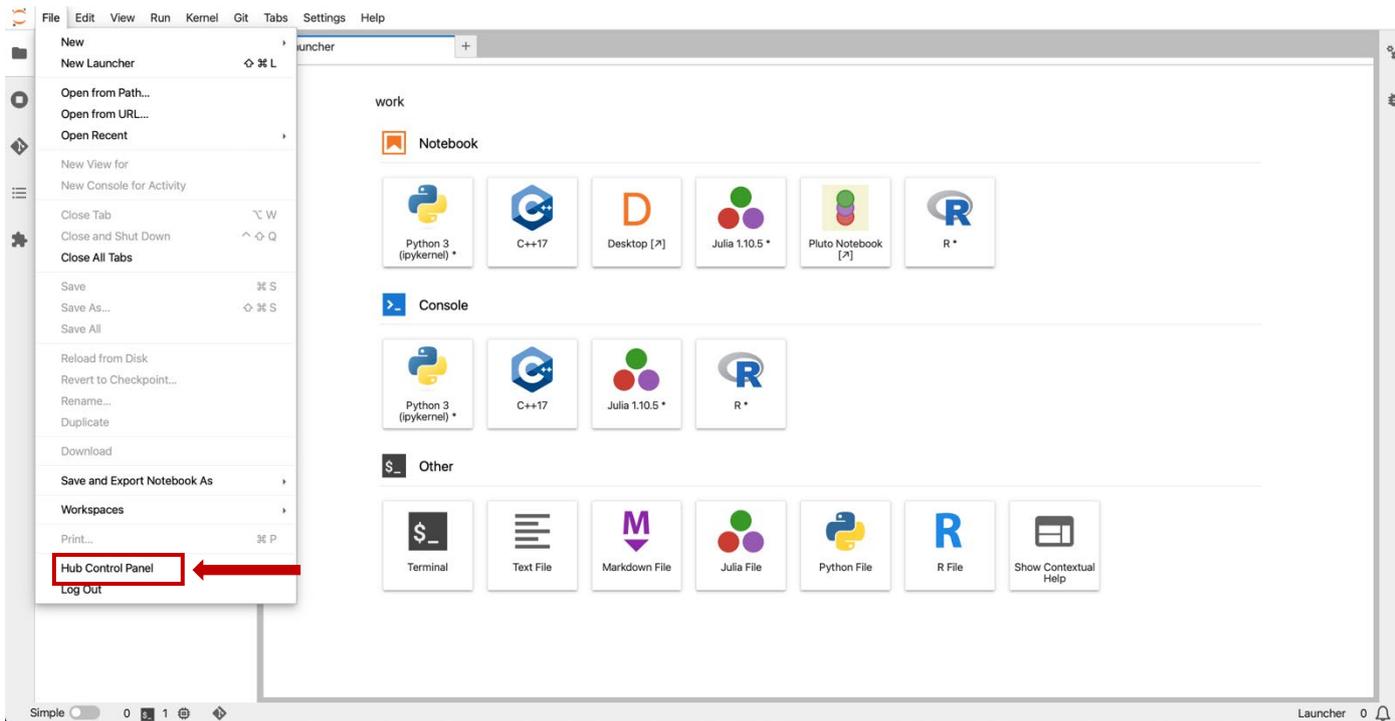
- Select a kernel under “Notebook” and start your journey.



- If you are a GPU and tensorflow user, please limit the memory growth through `tf.config.experimental.set_memory_growth` or `tf.config.set_logical_device_configuration` (more information: <https://www.tensorflow.org/guide/gpu>)

Stop the Server and logout

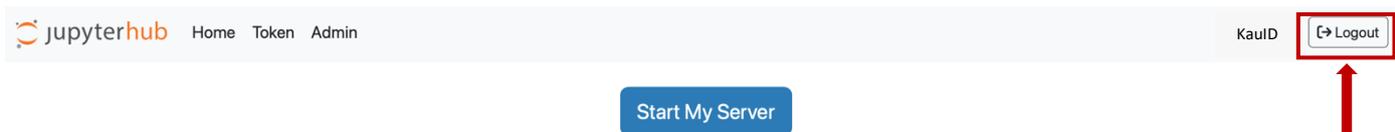
- Go to File -> Hub Control Panel -> Stop My Server -> Log out



- Remember to log out your account by click the “logout” button located in top-right corner before restarting JupyterHub next time. If not, there will exist “500: Internal Server Error”. When error happens, click “Home”, “Logout”, and then “Login” again.



500 : Internal Server Error



Example Code

A wide collection of programming examples is included in `/_PROJECTS/_INFORMATION_/examples/`:

- Basic Python: `example_Python.ipynb`
- Basic R: `example_R.ipynb`
- Basic MariaDB: `example_mariadb.ipynb`
- Machine Learning by Python: `example_ML_Python.ipynb`
- Machine Learning by R: `example_ML_R.ipynb`
- Deep Learning about Computer Vision by Python: `example_DL_Python.ipynb`