b. Python and Jupyter notebook

Jupyter is a server-client application that allows editing and running computer code (in our case python). This section explains how to setup a jupyter session with the help of JupyterHub, a jupyter server, that can run notebooks for multiple users.

The JupyterHub at DKRZ:

Use the following steps to setup a jupyter notebook using the Jupyter Hub which is provided by DKRZ:

- Log on to the Jupyter Hub page of DKRZ: https://jupyterhub.dkrz.de/hub/login with your user credentials
- Select either preset options or advanced options.
- For both options you will have to set at least the project account that will be charged for the computing time, usually this account starts with an mh followed by a number.
- Select the slurm queues (if you choose the advanced option). The JupyterHub uses the slurm workload manager to start your Jupyter session. Hence you will have to choose a *queue* for your computations. All available queues and their hardware specifications can be found on the dkrz user portal. If you choose advanced options you should bare in mind that certain slurm combination settings are not available. For instance jobs running for more than 8 hours on the `computing` queues are not possible.

After you've clicked the start button and the jupyter server has been setup you'll see the notebook interface. Here you can create a new or load an existing jupyter notebook.

> ⚠ When using the examples in this section you'll have to use the **Python 3 unstable** kernel

From:
https://wiki.mpimet.mpg.de/ - **MPI Wiki**

Permanent link:
https://wiki.mpimet.mpg.de/doku.php?id=analysis:postprocessing_icon:0._computing_inf:python:start

Last update: **2020/09/25 09:55**