



## Jupyterhub at NHR@FAU

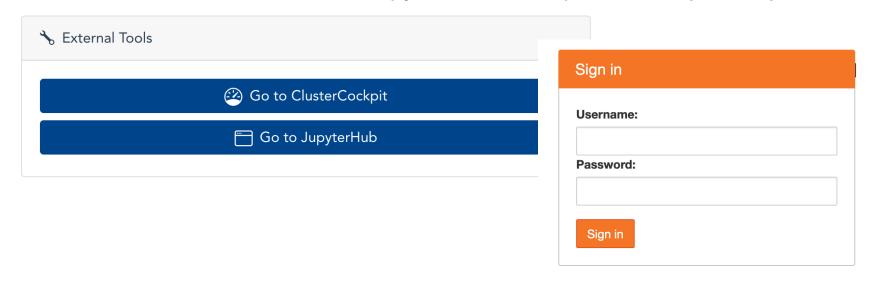
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NHR@FAU HPC Café, 2023-07-11

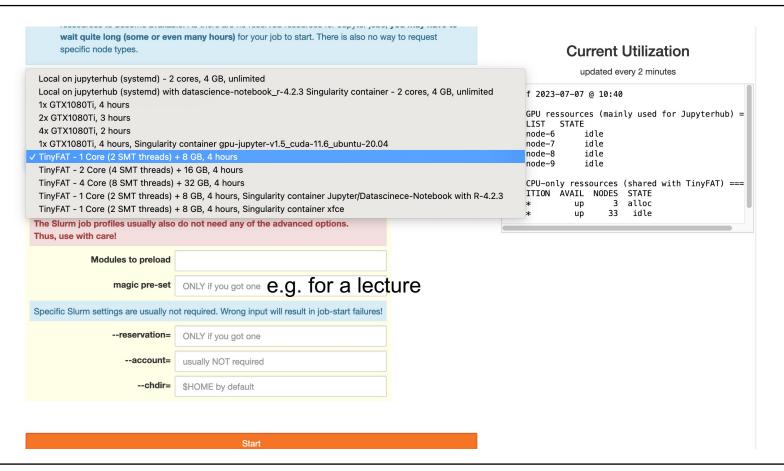
#### Access

- You can find the Hub at: <a href="https://hub.hpc.fau.de/jupyter/hub">https://hub.hpc.fau.de/jupyter/hub</a>
  - legacy HPC account (with a password set through <u>idm.fau.de</u>)
    - VPN / university network only
  - new HPC account use the Jupyterhub button provided at <u>portal.hpc.fau.de</u>



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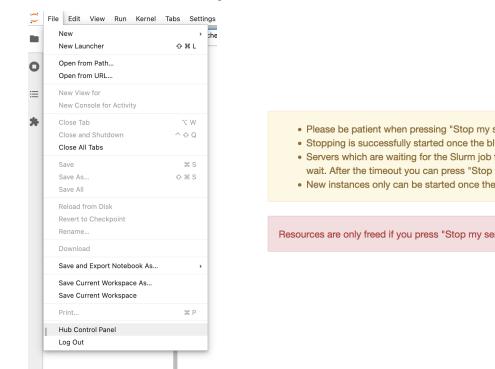
### Starting a Server



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## Kill your Server

- Closing your bowser tab will not end Slurm jobs in the background
  - Therefor kill your server



Stop My Server My Server

- · Please be patient when pressing "Stop my server" as it will take some time to shutdown your Jupyter instance.
- · Stopping is successfully started once the blue "My server" button no longer accepts clicks. Stopping is finished once the red "Stop my server
- · Servers which are waiting for the Slurm job to start, cannot be stopped; deleting the pending Slurm job on the cluster frontend manually may wait. After the timeout you can press "Stop my server" (again).
- New instances only can be started once the old one is fully stopped.

Resources are only freed if you press "Stop my server". Otherwise resources remain blocked even if you log out or close the browser tab!

## Adding a Kernel

- We use nb\_conda\_kernels
  - Load conda module on cluster

```
conda install -n <my-py> ipykernel  # python
conda install -n <my-R> r-irkernel  # R
```

Many more kernel possible:

https://github.com/jupyter/jupyter/wiki/Jupyter-kernels

(not every kernel was tested with our setup)

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#### **Further Documentation**

- NHR-FAQ
- Cluster Overview
- Jupyter and Python

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# Thank you





