Introduction to nanoHUB notebooks





Developer





SimTool:

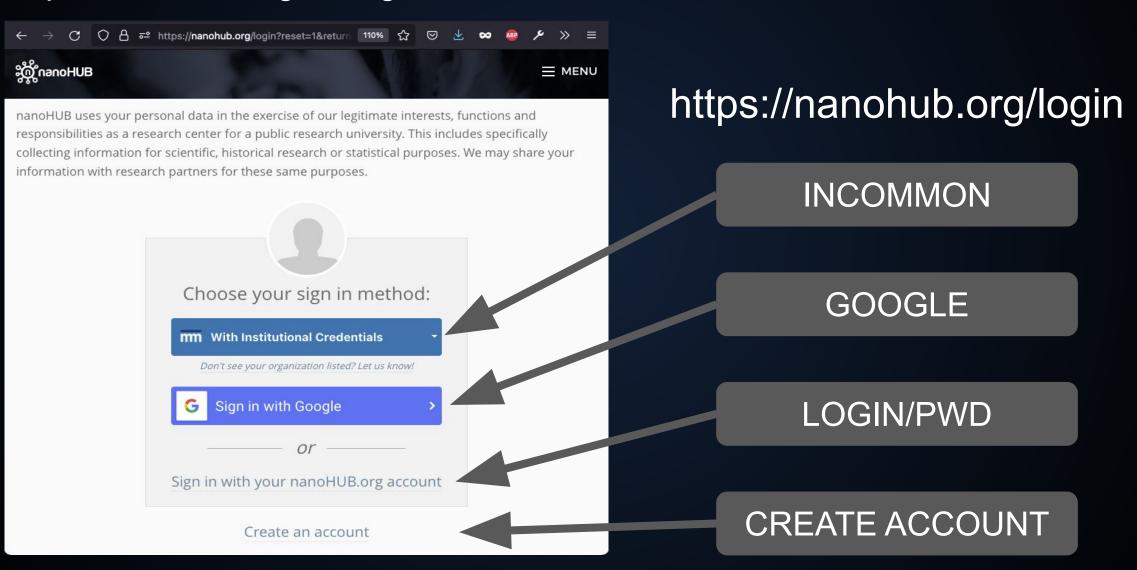
- Declare inputs & outputs (including metadata)
- Implement every step connecting INs to OUTs
- USING JUPYTER
 NOTEBOOKS

SimTool library

- SimTools are registered & queryable
- Inputs and outputs (incl. metadata) are queryable
- Inputs are verified (incl. unit conversion) before run
- Outputs are checked after workflow execution
- Published SimTools have DOIs & are indexed by WoS and google scholar
- Results are automatically cached & queryable (data & metadata)

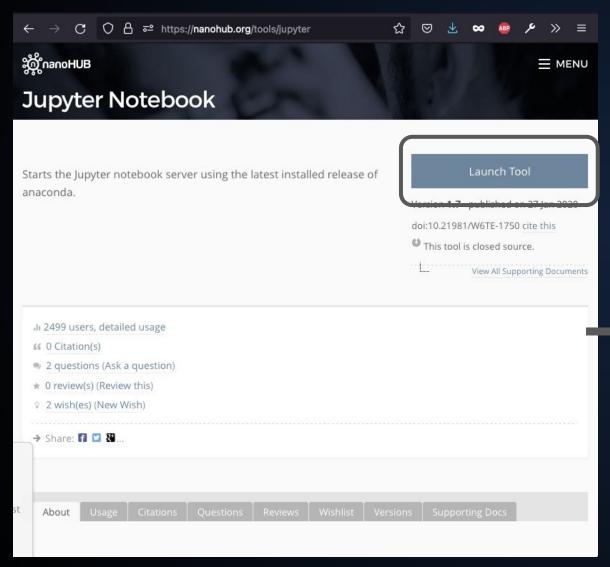
How to register to nanoHUB

https://nanohub.org/kb/registration/how-to-create-a-free-nanohub-account

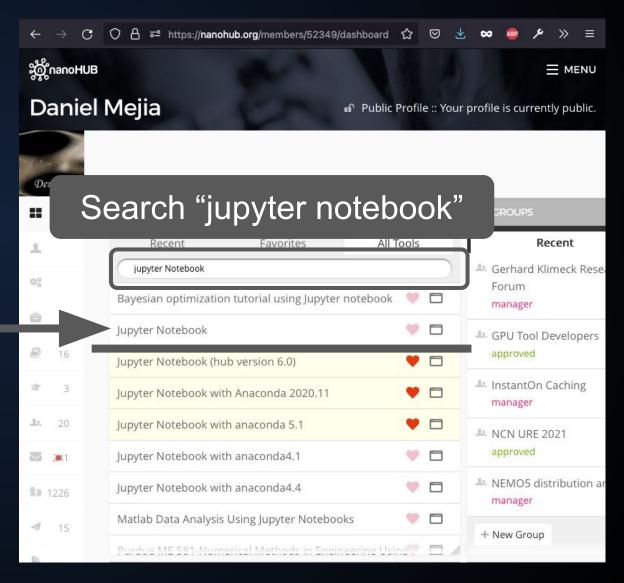


How to register to nanoHUB

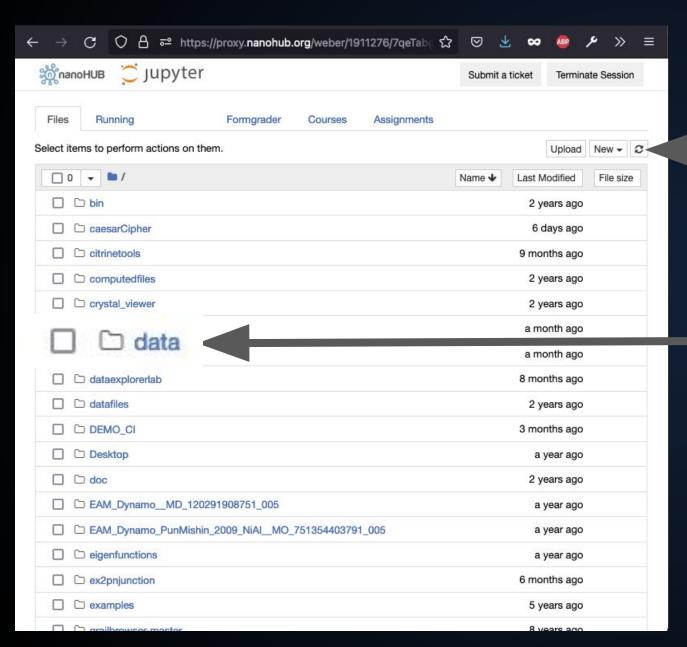
https://nanohub.org/tools/jupyter



Dashboard



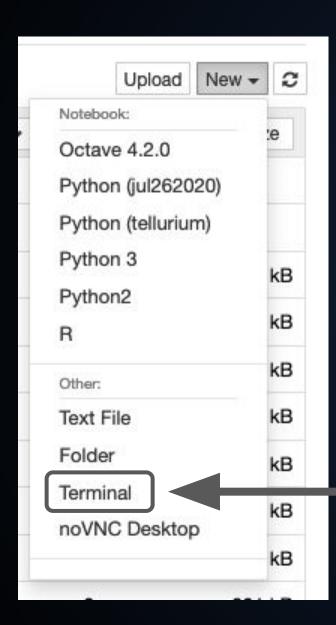
Jupyter File explorer

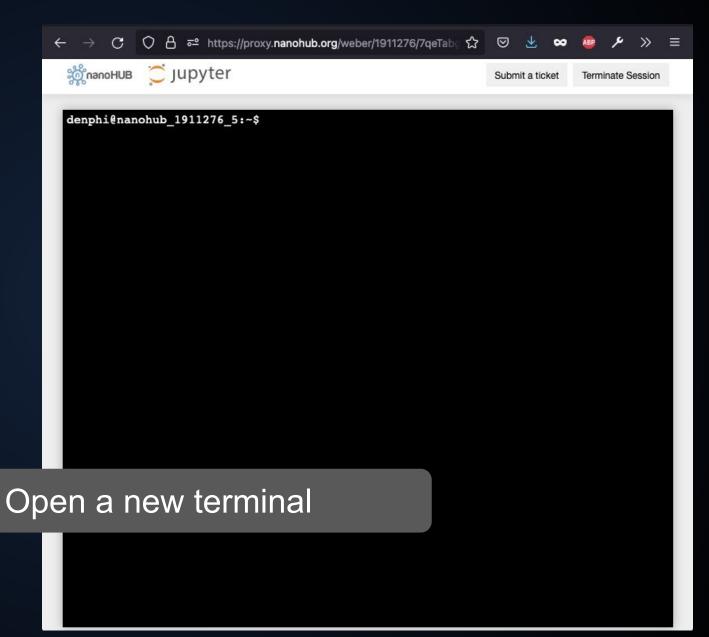


New Folder, Notebook, Terminal, Desktop

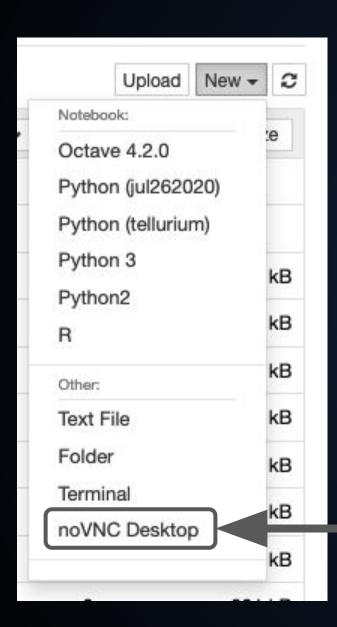
Default Folder / Sessions / Results

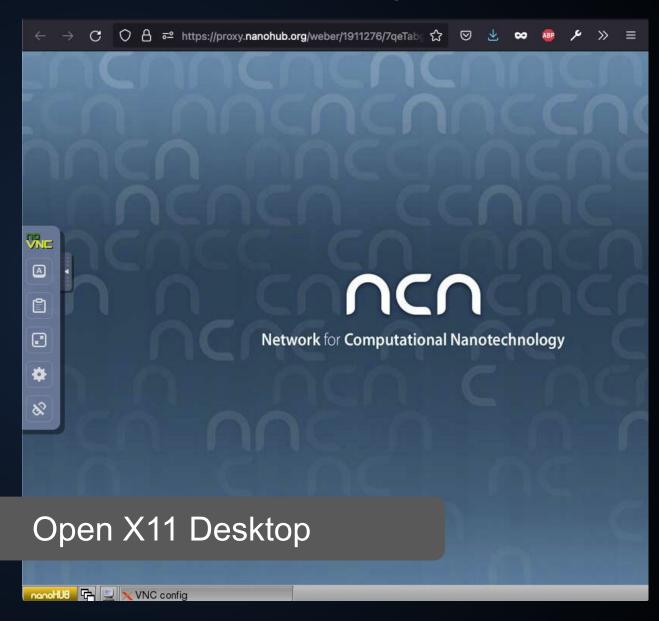
Create Terminal



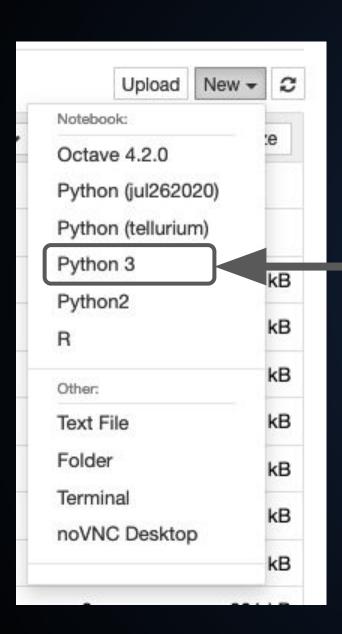


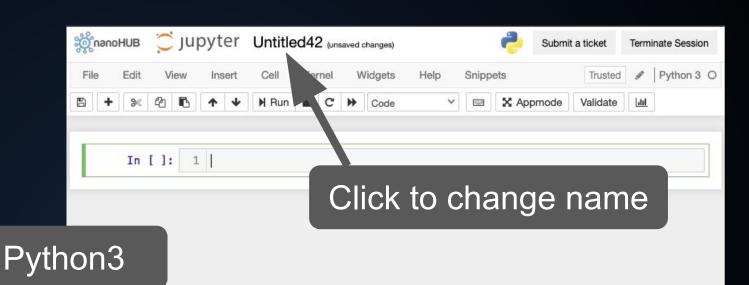
Create Terminal / Desktop



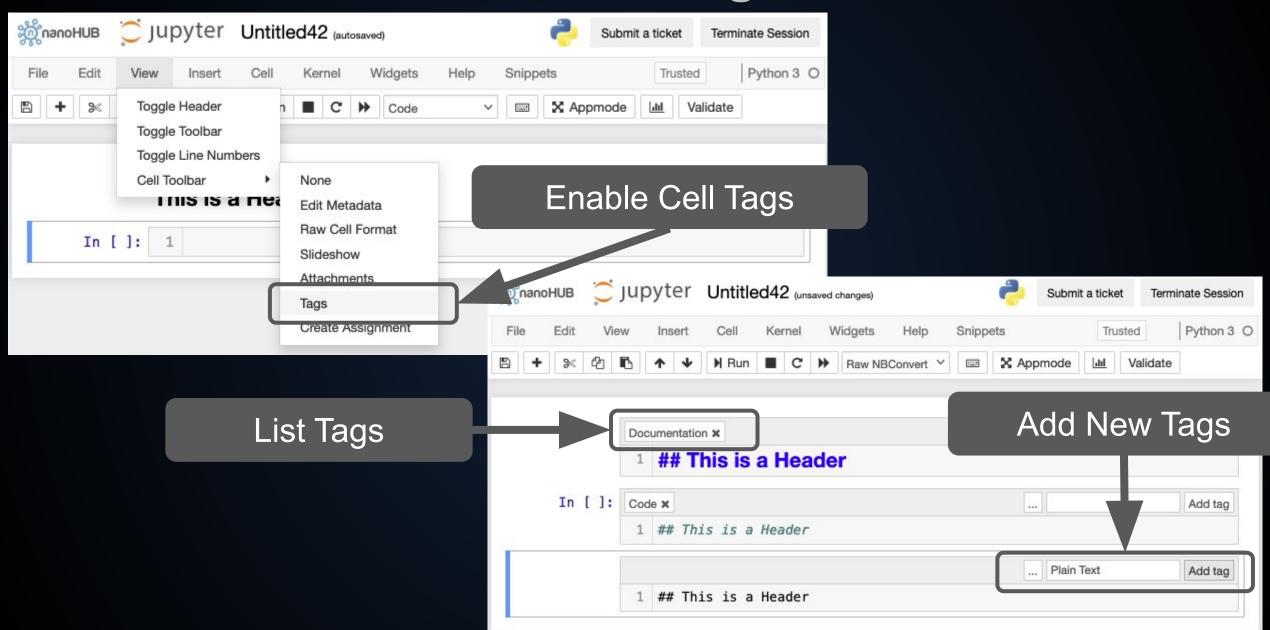


Create New Notebook

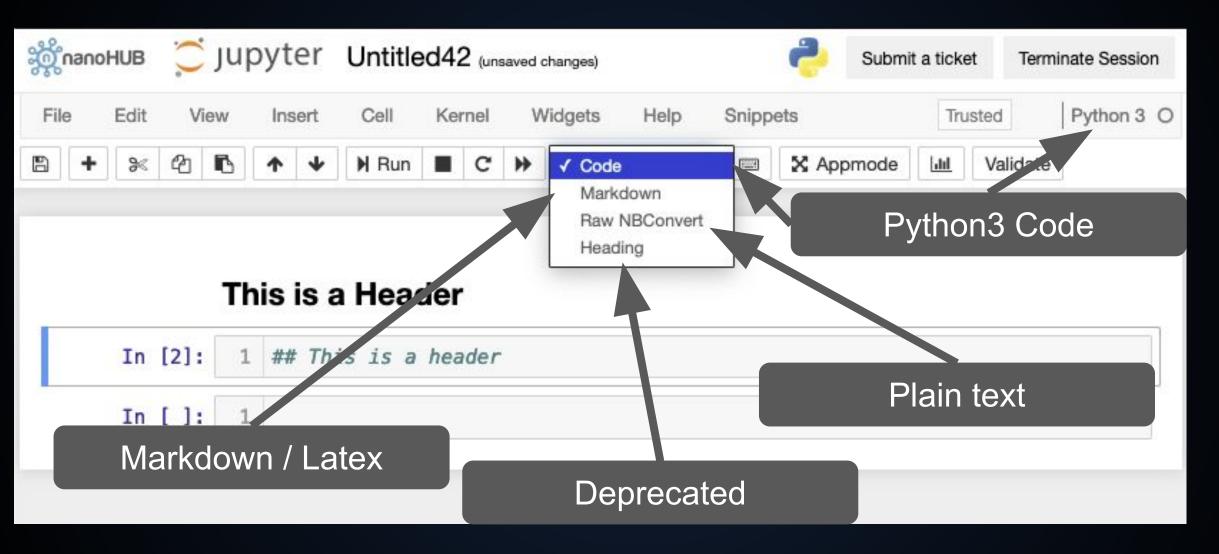




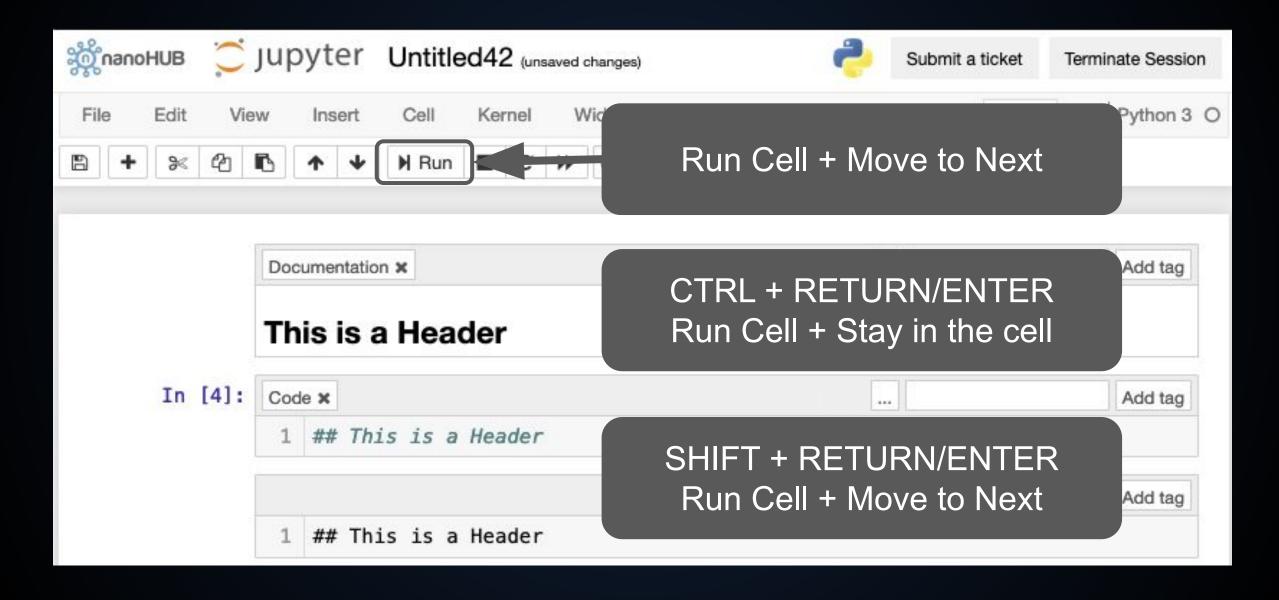
Enable Tags



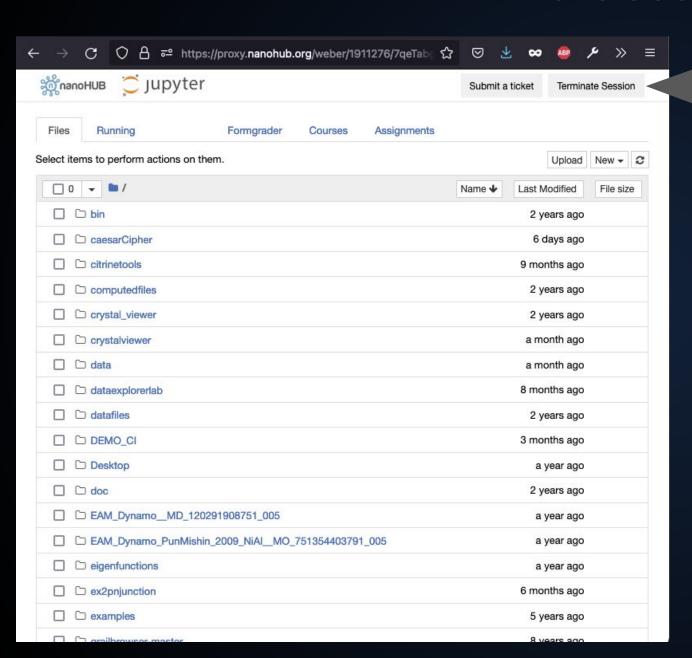
Cell Types



Run Cells



End Sessions



Terminate the session

Files are preserved, All python kernels are ended

If a session is not Terminated, can be accessed from dashboard

Idle sessions are terminated, unsaved data maybe lost