



Screwing up conda environments

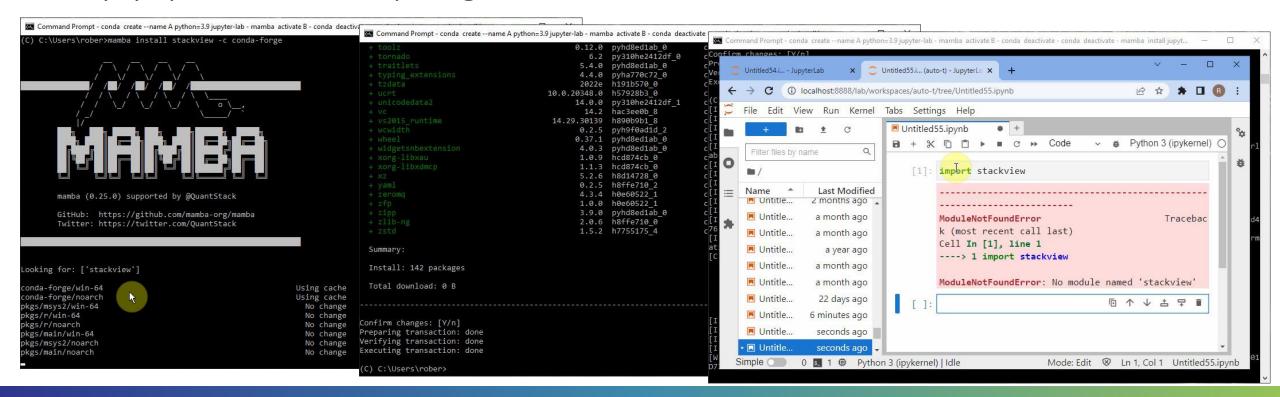
Robert Haase

Don't try this at home.

Broken [conda] environments



- Common case of confusion in the Python ecosystem
- Happens to everyone it's just a matter of time.
- Early symptom: You install a package and afterwards, it's not installed.



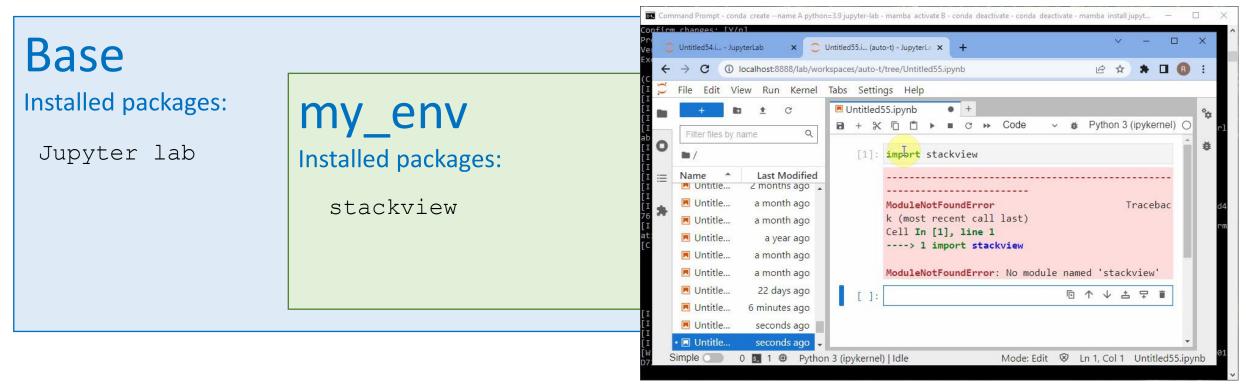




Background



- The base-environment is special.
- You install packages into the base environment, if you do not run conda activate my_env
- You can run base-software from within other environments







Broken [conda] environments



• The only cure: Uninstall and reinstall [Ana]conda.

Huge effort.

- Alternatively:
 - Create a new environment for every project.
 - conda activate my_env
 - <u>Do not install project-specific stuff in the base-environment.</u>

Little effort.

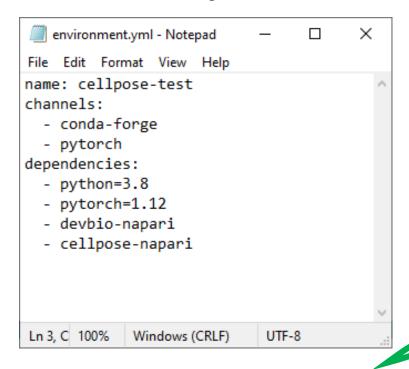




Documenting dependencies

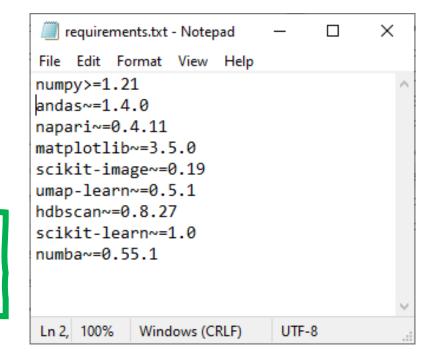


- Maintain a document with the dependencies (and versions) you need in your project!
 - The conda way



In case your environment is screwed up, you can rebuild it any time.

• The pip way



conda env create -f environment.yml

pip install -r requirements.txt



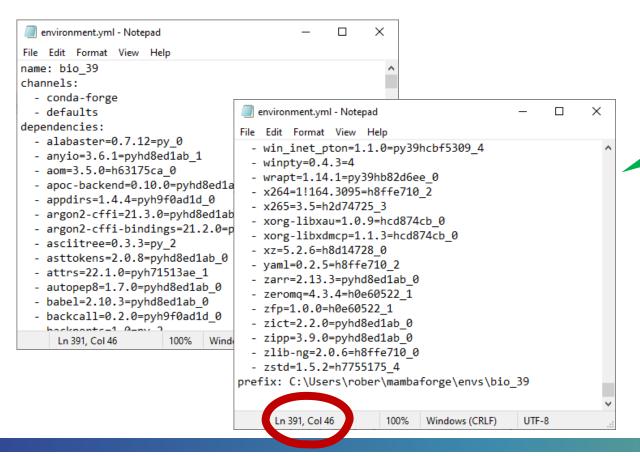


Documenting dependencies



• ... the complete way.

conda env export > environment.yml



Excellent way to document which dependencies were actually used...

It is questionable if recreating an environment from this yml file works.

