MSE 598 Lecture #2: 4CeeD for Collaboration and Data Processing

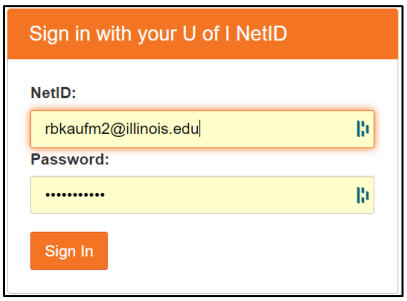
https://learn.4ceed.illinois.edu/

Exploring Extended 4CeeD Features

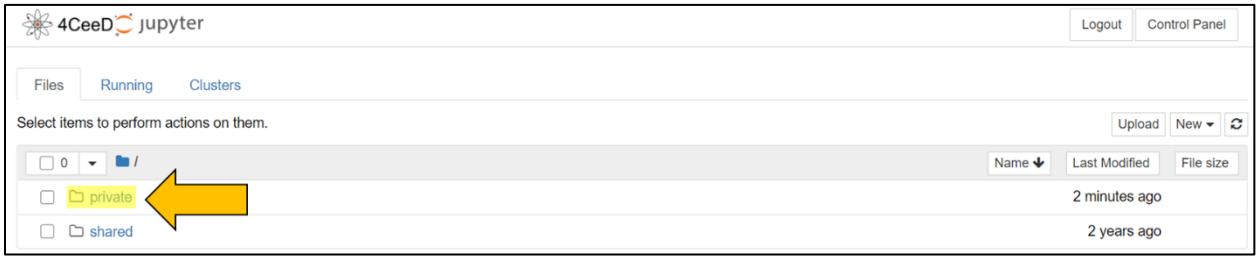
Breakout Session: Jupyter Notebook Integration

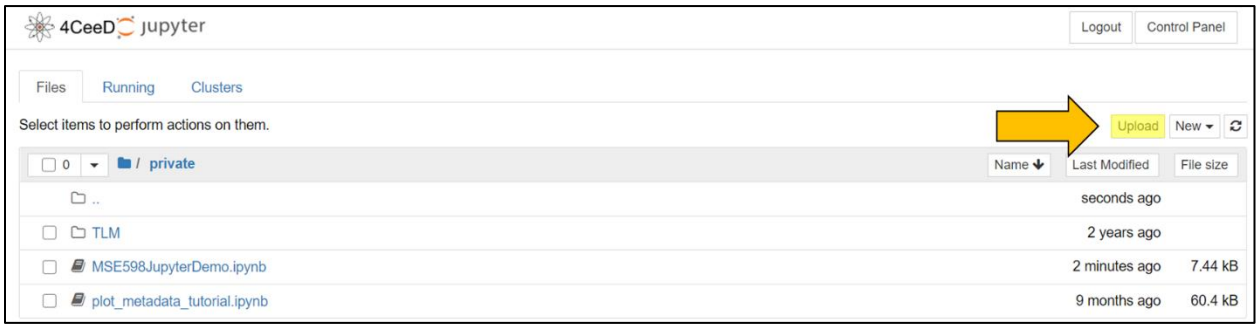
Here we introduce the 4CeeD Jupyter integration and how it can be used to quickly analyze stored data.

a. From 4CeeD, open the **Jupyter Hub** link and log-in with your NetID and Active Directory Password

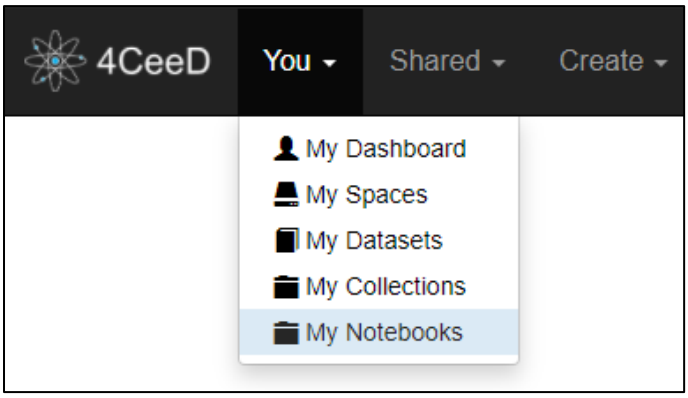


b. Go to the **private** folder and click "Upload". Select and upload the provided notebook file "*MSE598Sp22JupyterDemo.ipynb*"

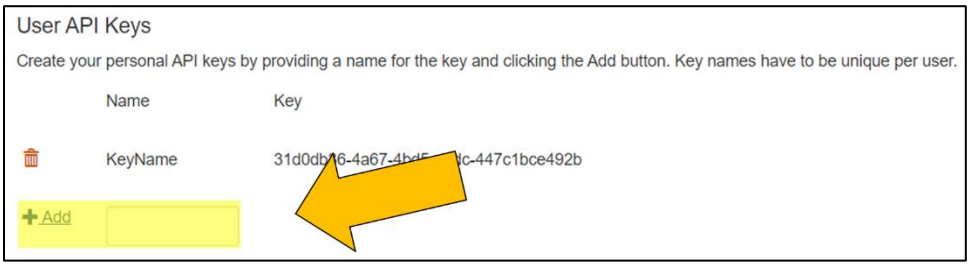




c. Open uploaded, follow instructions inside Jupyter notebook by running each cell
d. Normally, after completing the Jupyter guide and running the command **save_notebook**, a snapshot of the notebook will save to 4CeeD
    - Unfortunately, for this demo, since I am providing an API key, it only saves to my 4CeeD but an example of the snapshot is provided (*MSE598JupyterDemoSnapshot.pdf*)



e. Note: In the future, when using the standard 4ceed.illinois.edu, you can make your own key to connect your 4CeeD data to Jupyter through your **"Profile"** page



This marks the end of Lecture 2. Feel free to experiment with Jupyter notebook or 4CeeD if there is extra time. For any questions, feel free to reach out to Robert Kaufman (rbkaufm2@illinois.edu) or Patrick Su (psu8@illinois.edu).