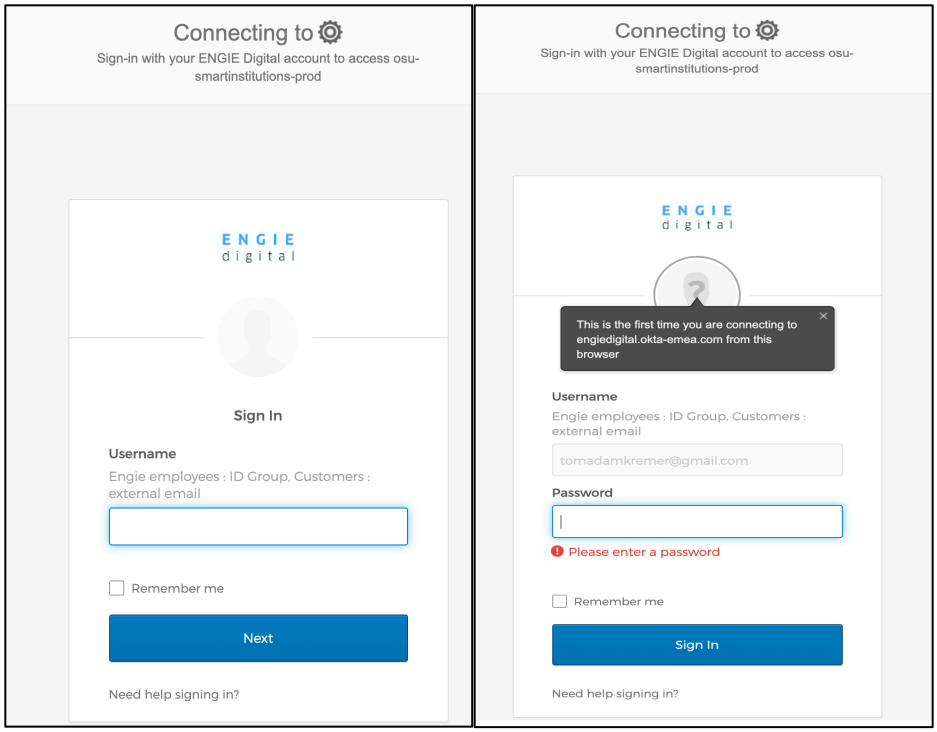
Accessing Smart Institutions Jupyter Notebook

This user guide outlines how to access and use Jupyter Notebook to supplement HACK OHI/O Smart Institutions data exploration, visualization, and modeling. **Note: Users should utilize either Google Chrome or Firefox web browser when accessing the application and Jupyter Notebook.**

1. To access Jupyter Notebook, the user may first need to access the Smart Institutions application static console in order to start the instance. To do so, navigate to the following link:

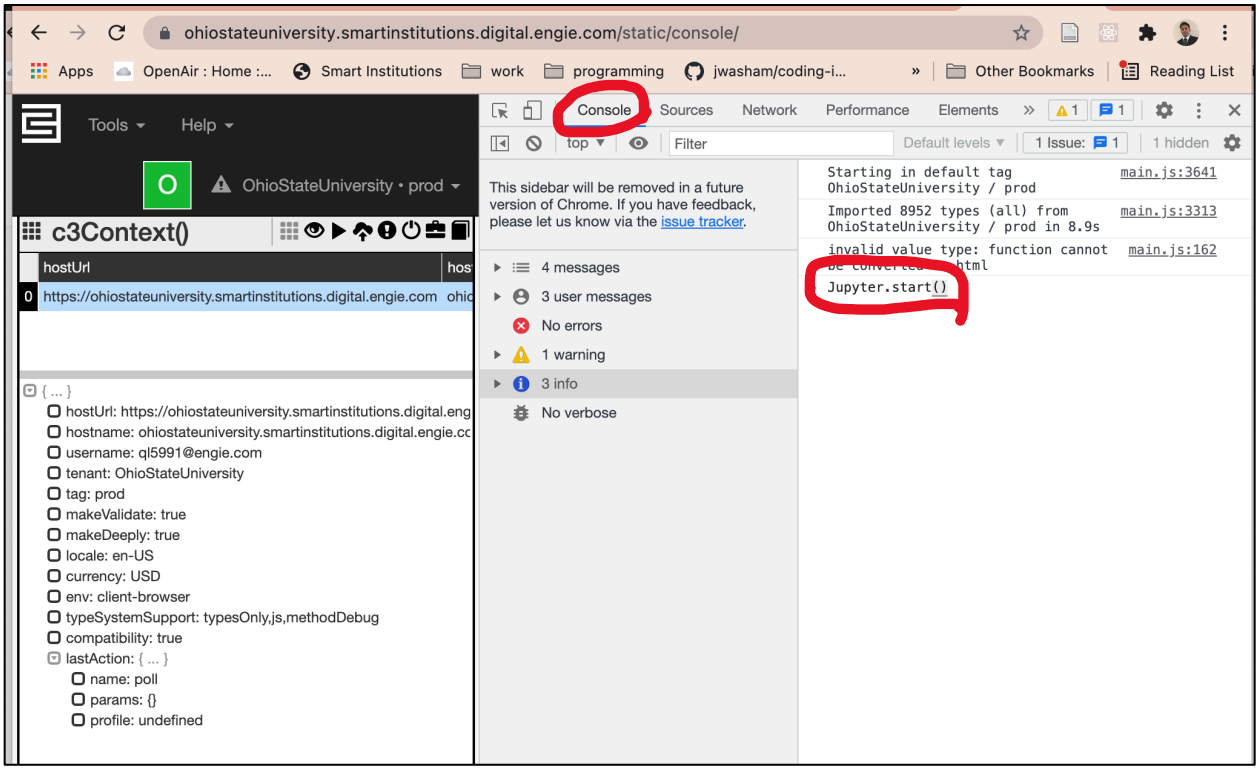
   https://ohiostateuniversity.smartinstitutions.digital.engie.com/static/console

2. If the user has not yet logged into the application's main website (i.e., https://ohiostateuniversity.smartinstitutions.digital.engie.com), then he/she will likely be asked to enter login credentials:



3. Once static console is rendered, open the browser's developer tools. (Normally, this can be done by pressing *Ctrl + Shift + I* on Windows or *Cmd + Opt + I* on macOS. For more information about Google Chrome dev tools, refer to https://developer.chrome.com/docs/devtools/open/, while this additional link can be used for Firefox, https://developer.mozilla.org/en-US/docs/Tools.

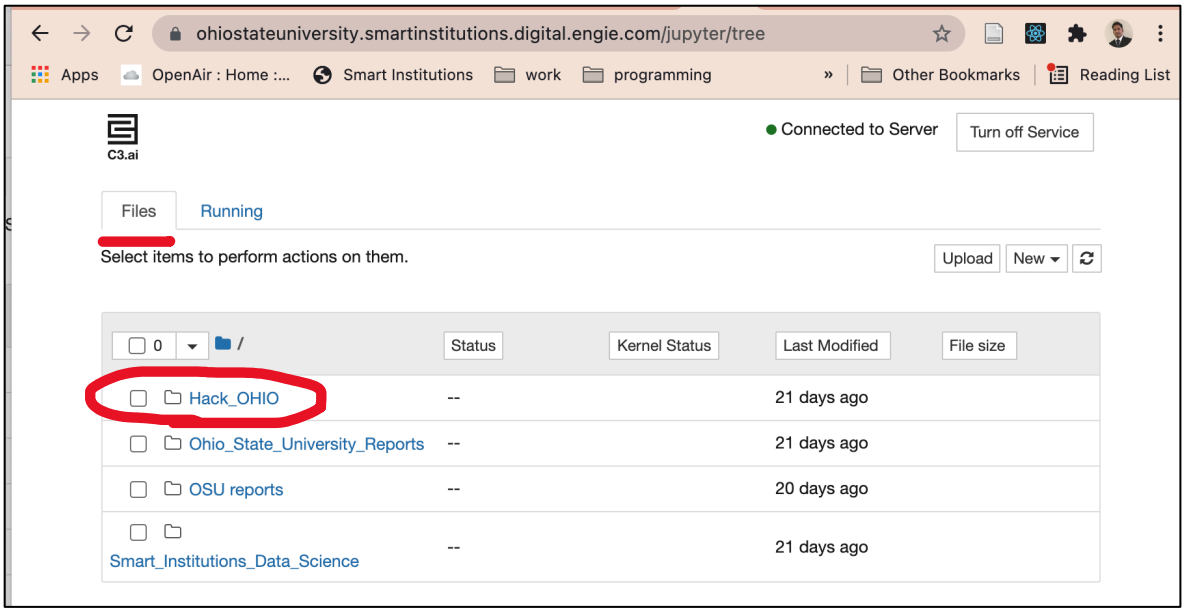
4. To start the Jupyter Notebook container, navigate to the “Console” tab and run the following code by entering directly in the console and pressing Enter to run: `Jupyter.start()`. **Note: This may take a few minutes to process and the user will know when the instance has started once “undefined” is visible under the start command.**



5. Once the instance has started, navigate to the following URL to access the Jupyter Notebook: https://ohiostateuniversity.smartinstitutions.digital.engie.com/jupyter/

   Note: If already logged into the static console, you likely won’t be asked to re-enter credentials. However, if you need to login again, refer to step 2. If the user receives a message that Jupyter has not been started, wait for a few more minutes and then try or repeat step 4.

6. Click on “Hack_OHIO” folder to access the Hackathon materials.



Within the folder, the file “Introduction c3 jupyter notebook.ipynb” includes some guides on how to retrieve data from the platform.

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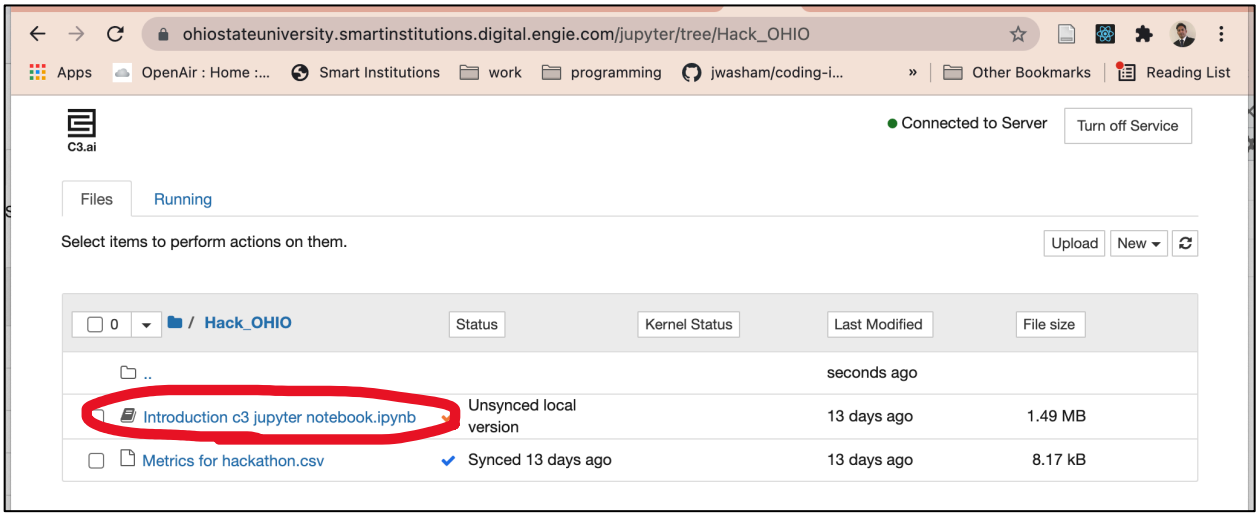
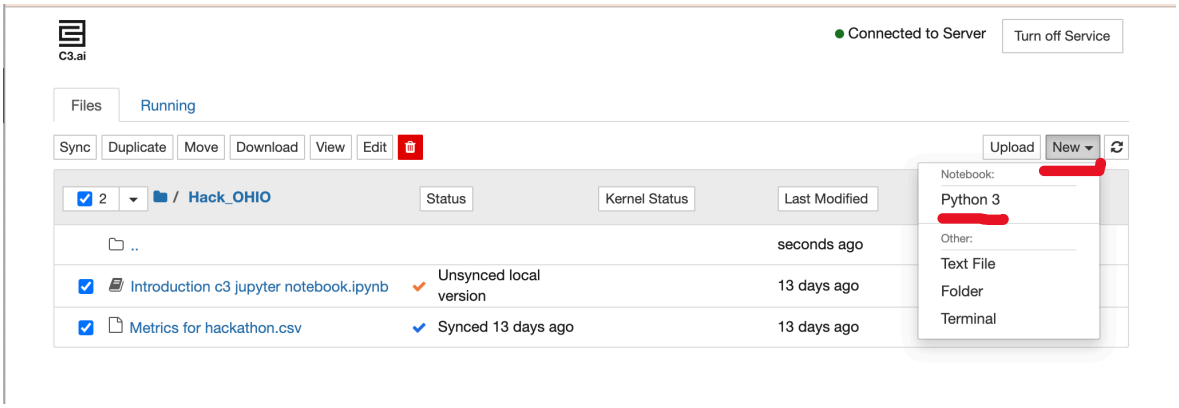
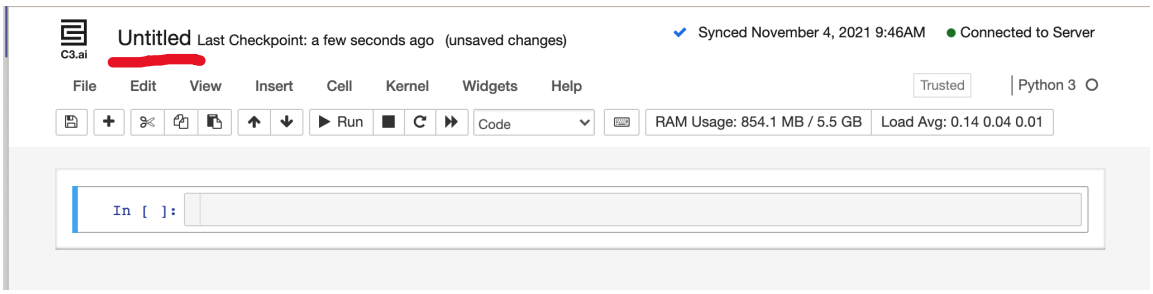
7. Click on “Introduction c3 jupyter notebook.ipynb” to open it. Within the notebook there are additional instructions on how to access Smart Institutions data as well as useful commands to run.



8. To create a new notebook, run, “New > Python 3”. This is the notebook that should be used for your team’s specific activity, data exploration, download, etc.





9. Now you can try the code from “Introduction c3 jupyter notebook.ipynb” in your Jupyter Notebook!