

CERBERUS PROJECT MANUAL

Instruction Manual



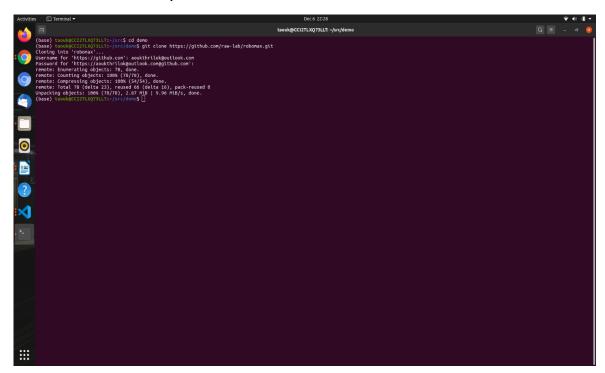
JULY 12, 2020 RAW LAB

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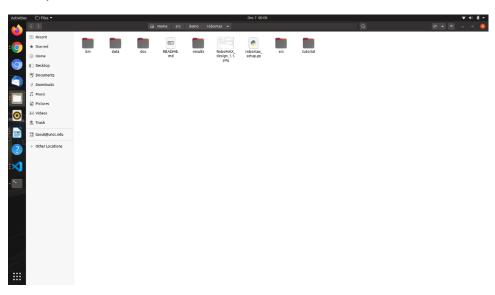
1. Clone the Cerberus Repository to your Local Computer

- Open Terminal
- Select the folder path
- enter "git clone https://github.com/raw-lab/cerberus.git" in the selected folder path to clone the repo into it.
- Cerberus directory will be created.

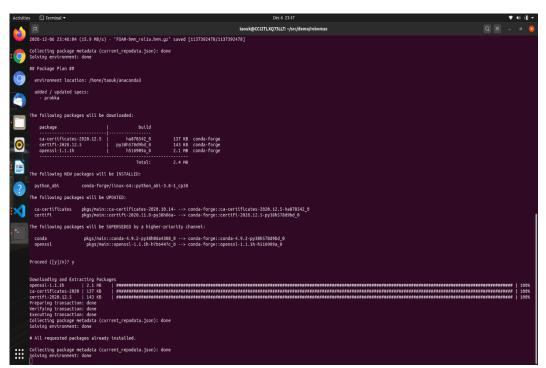


2.Run Setup File

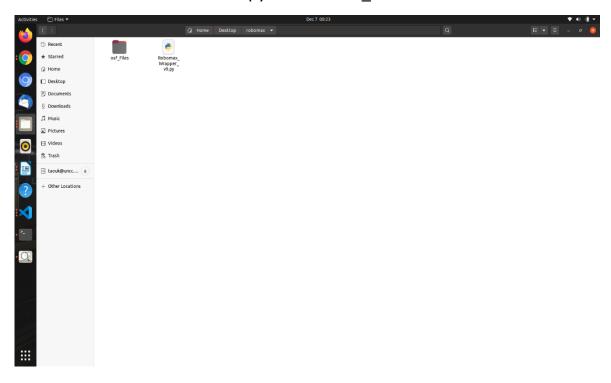
• Open cerberus folder



- Run setup "cerberus_setup.py"
- Following things will be done on running setup file:
 - 1. It will create directory "Cerberus" on desktop
 - 2. It will install all dependencies from the setup file
 - 3. It also download osf files and Latest Version of Primary code file.

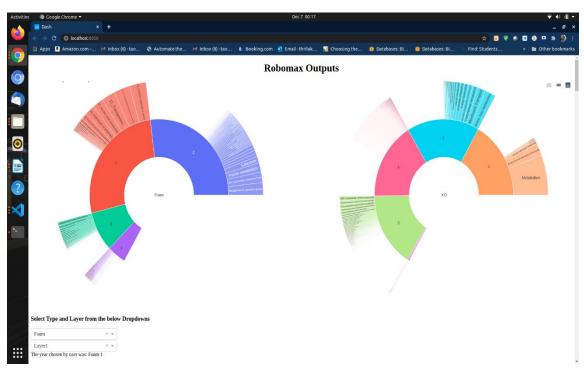


Current Version "Cerberus.py" file and osf_files in cerberus folder.



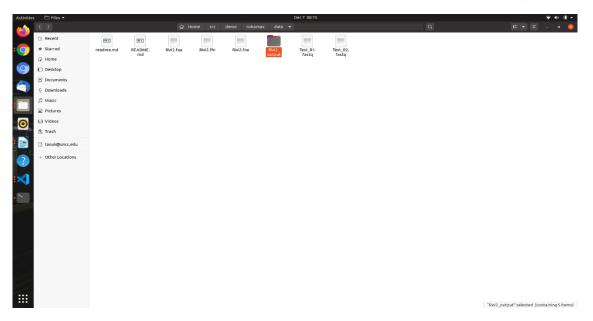
3. Running code by passing data file

- We should give input file path along with the Wrapper Code followed by '-i'
- The input data file should be one of the following types: {faa,fna,ffn,rollup}
- Once the program starts it may take 20-70 min to complete the process.
- After execution of code, It will open a localhost browser with some visualization based on the Output files. (These outputs are also saved in Output files folder)

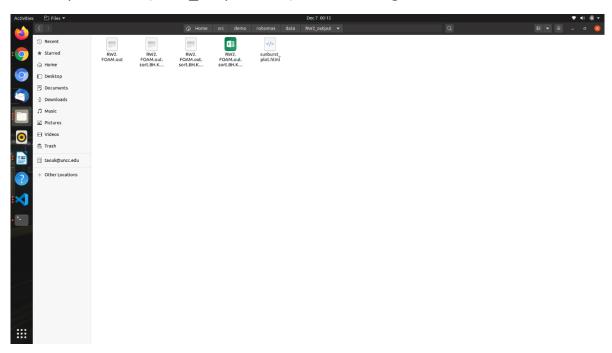


4.Output Files

- Output folder will be created on the input folder path.
- Let the Input be RW2.faa, the output folder created will be RW2_output.



• Output folder (RW2_output here) has following Files.



5. visualisation outputs based on output file

- Once the program is executed the visuals will be displayed on screen.
- If you want to open those visuals again.
- Please run the step 3 again but here, the input data file will be the rollup file (which is generated in the Output folder)
- It will generate the Visuals in the Localhost bowser as shown in figure.

