

Tutorial 1:

Intro to computing environment in CO-501

OBS training workshop, VUW, April 14-16, 2025

Login to CO-501 workstations

- Make sure the computer is running Linux. If not, reboot and choose « Ubuntu » in the boot-up window.
- When you are logged in, open a Terminal and a browser window (Firefox).
- Navigate the browser to <https://github.com/nfsi-canada/OBSW2025> and check out the README and TUTORIALS pages.
- Note (bookmark) the links to software documentation!

Getting the Workshop material

- With a Terminal open, navigate to your Home folder.
- Type ``git clone https://github.com/nfsi-canada/OBSW2025.git``, which will download all the workshop material in a folder called OBSW2025/
- You now have everything you need to complete the workshop – you can also do this on a personal computer for your own record.
- Practice navigating your Linux filesystem – check out TUTORIALS/TUTORIAL1/linux_basics.md

Running the codes and notebooks

- In the Terminal, activate the conda environment: ``startconda obsw25``
- Running the codes (StDb, OrientPy, OBStools, RfPy):
 - Navigate the Terminal to the TUTORIALS/TUTORIAL[1-4] folders and run the various codes using commands.
 - To check out the options, type ``command -h``, where « command » is one of the valid code commands (check documentation).
 - You can automate your processing by typing commands in a file and executing the file from the command line.
- Running the Jupyter notebooks (Telewavesim, SeisBench, GaMMA, PyOcto):
 - Navigate the Terminal to the TUTORIALS/TUTORIAL[5-6] folders and open Jupyter notebook: ``jupyter notebook``