

A Linux tips

It is possible to open multiple terminals, for example one for the directory `~/Cases` and one for `~/Experiments`. If you want to quickly change from one directory to another, you can define a shortcut, e.g. `alias exp='cd ~/Experiments'`. Put this line in the file `~/.bashrc` and type `source ~/.bashrc` to activate the alias. Note that `.bashrc` will be executed automatically when you open a new terminal. The `.bashrc` file can be filled with as many aliases as you want.

Ubuntu includes an open source version of Matlab which is called Octave.

B Installing Linux on Ubuntu 16.04

First install the needed packages:

```
sudo apt install git
sudo apt install cmake
sudo apt install netcdf-dev
sudo apt install netcdf
sudo apt install ccmake
sudo apt install cmake-curses-gui
sudo apt install libnetcdf-dev
sudo apt install libopenmpi-dev
sudo apt install gfortran
sudo apt install libnetcdf-dev
sudo apt install doxygen
```

Next, clone the Dales git repository

```
cd ~
mkdir dales
cd dales
git clone git@github.com:dalesteam/dales.git
cd dales
git checkout v4.1
```

Now build Dales from source code

```
cd ~/dales
mkdir dales.build
cd dales.build
cmake ../dales
make
```

The `dales4` executable is now in `src/dales`.