

Basic Unix for Abel

Swcarpentry - shell-novice

- <https://swcarpentry.github.io/shell-novice/01-intro/>

Terminal text editor

- nano
- vim
- emacs

Connection and transfers

- ssh
 - Connect to a remote computer
 - Connect to Abel
 - `ssh USERNAME@abel.uio.no`
- sftp, scp, rsync
 - Copy files
 - Copy a file to abel from the laptop
 - `scp -p THE_FILE USERNAME@abel.uio.no:~/`

Some useful commands

- `pwd` - current working directory
- `hostname` - print the name of the computer
- `projects` - Projects that are available, to be paid for the jobs
- `cost` - amount of hours left in the project
- `freepe` - details about current cluster state
- `queue` - job queue
- `dsusage` - Disk usage
- `df -h` - available drives
- `cd $HOME` - home directory
- `echo $USER`
- `chmod` - change permissions