

# Things that are the same

- The supercomputer has a few computing clusters. The one I most frequently use is **Mesabi**, but **Mangi** is also an option. Other clusters have a graphic user interface, which is comforting, but those clusters generally have fewer resources available.

```
ssh mesabi
```

(you'll need to enter your x500 password again)

# Things that are Different

## Making an Interactive Job

Old PBS way

```
qsub -I -lwalltime=1:00:00,nodes=1:ppn=8,mem=16gb
```

New SLURM way

```
srun -N 1 -n 8 --mem=16gb -t 1:00:00 -p interactive --pty bash
```

- The spaces are very important.
- **-N 1** requests one node
- **-n 8** requests 8 processors
- **--mem=16gb** requests 16gig of ram
- **-t 1:00:00:00** is your time limit, in HH:MM:SS
- **-p interactive** sends your job to the interactive queue
- **--pty bash** tells slurm you will be using a bash shell.