What is running on cluster, where? interpreting slurmtop

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Summary

The program `slurmtop`, available on the login nodes, shows which jobs are currently running on which nodes and cores of a cluster.

Jobs belonging to a single user can be highlighted by launching `slurmtop` with the `-u` switch:
```
slurmtop -u <NetID>
```
(of course, replace `<NetID>` with your NYU NetID). Or, you can use the alias "me":
```
slurmtop -u me
```

When you start slurmtop you see something like the annotated screenshot below. You might need to resize your terminal to make it all fit:
What hardware is available?

You can use slurmtop to see which nodes are busy and which are free. Knowing what resources are available on a given node can help in estimating how busy is that part of the cluster that your job needs.

Node types we have, and where they appear in slurmtop, are:
28 cores, 125 GB

28 cores, 250 GB

20 cores, 62 GB

4 cards each GPU node