What is running on cluster, where? interpreting slurmtop
Running jobs on the Prince Cluster

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Software and Environment Module

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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:

```
slurmtp -u <NetID>
```

(of course, replace <NetID> with your NYU NetID). Or, you can use the alias "me":

```
slurmtp -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:
Exercise

Start slurmtop and find your interactive session.

You’ll probably need to use `slurmtop -u me` to identify your job amongst all the colors.

You’ll probably also need to increase the size of your terminal window and decrease the font size so it all fits!

**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: