

Workload Management: How do I share resources in Slurm?

By default, Slurm is configured such that it allocates an entire node to a job which requests a subset of the resources.

You need to configure the partition to be shared.

In `slurm.conf` on the headnode, you'll need to add the following lines outside of the autogenerated section and restart the `slurmctld` service:

```
SelectType=select/cons_res  
SelectTypeParameters=CR_Core
```

Please note, changing the `SelectType` plugin and restarting the `slurmctld` service may result in **terminating all the running jobs**.

You may also need to run the `scontrol` command on the headnode to inform the compute nodes of the change.

```
scontrol reconfigure
```

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