

IBG Research Computing Cheatsheet

Monitoring Slurm and Job Activity

View your running jobs:

View your completed jobs:

Measure performance of completed jobs:

View available nodes and their properties:

```
sinfo --Node -o "%.12N %.16P %.11T %.4c %.13C %.8e /%.8m %.30f"
```

- **NODELIST** is the name of the node, can be specified when submitting via `-nodelist`
- **PARTITION** is the name of the partition. You likely will never need to use this unless you want a particular partition of the preemptable queue
- **STATE** - mixed means that some of the **CPUS** are in use (see below)
- **CPUS(A/I/O/T)** - on a given node: allocated/idle/other/total nodes
- **FREE_MEM / MEMORY** free memory / total memory in MB (divide by 1024 to convert to GB)

Example jobs

Interactive session

Preemptable job

Job array with single index

Job array with multiple indices

Useful links

- Batch scheduling and Summit specifications
- Blanca resources

Modifying this README

Do not directly modify this document directly. Instead modify `ibg_rc_cheatsheet.md` and run `compile.sh` to add TOC create printable version. This will also update the README. You might need to make `gh-md-toc` executable via `chmod a+x gh-md-toc` and you definitely will need to install `pandoc`.