Submitting a Job

Jobs are submitted with the `qsub` command:

```bash
$ qsub [options] job-script
```

The options tell Torque information about the job, such as what resources will be needed. These can be specified in the job-script as PBS directives, or on the command line as options, or both (in which case the command line options take precedence should the two contradict each other). For each option there is a corresponding PBS directive with the syntax:

```bash
#PBS [option]
```

For example, you can specify that a job needs 2 nodes and 8 cores on each node by adding to the script the directive:

```bash
#!/bin/bash
#PBS -l nodes=2:ppn=8
```

or as a command-line option to `qsub` when you submit the job:

```bash
$ qsub -l nodes=2:ppn=8 my_script.q
```