Submitting Your First Job

Once you have your account and partition from `check_my_partitions`, you are ready to submit your first job.

A Minimal Job Script

Create a file called `first_job.sh`:

```
#!/bin/bash
#SBATCH --job-name=first_job
#SBATCH --account=public-users_v2
#SBATCH --partition=power-general-shared-pool
#SBATCH --qos=public
#SBATCH --time=00:10:00
#SBATCH --ntasks=1
#SBATCH --cpus-per-task=1
#SBATCH --mem-per-cpu=2G
#SBATCH --output=first_job_%j.out
#SBATCH --error=first_job_%j.err

echo "Hello from $(hostname)"
echo "Job ID: $SLURM_JOB_ID"
```

Submit It

```
sbatch first_job.sh
```

Slurm will return a job ID:

```
Submitted batch job 12345
```

Monitor It

```
# Check job status
squeue -u your_username

# View output once the job completes
cat first_job_12345.out
```

Job States

- **PD** — Pending, waiting for resources
- **R** — Running
- **CG** — Completing
- **CD** — Completed
- **F** — Failed

Next Steps

Once your first job runs successfully, see **Running Jobs** for arrays, GPU jobs, interactive sessions, and more.

See Also

- HPC Helper Toolkit — AI-powered tool to help with QOS configuration, job submission, and more

---

Created 2026-06-11 14:50:17 UTC by levk
Updated 2026-06-18 12:58:57 UTC by levk