

Information about the batch system (SLURM)

For the old torque documentation, please see [the old documentation](#).

Please confer /etc/slurm/README.

Overview

Available Partitions

Interactive Jobs

Batch Jobs

FAQ

Why's my job not running?

How can I check which jobs are running in the machine?

How do I do chain jobs with dependencies?

How can get a list of broken nodes?

Can I still use the old DEEP Booster nodes?

Can I join stderr and stdout like it was done with `-joe` in Torque?

What's the equivalent of `qsub -l nodes=x:ppn=y:cluster+n_b:ppn=p_b:booster?`

pbs/slurm dictionary

PBS command	closest slurm equivalent
qsub	sbatch
qsub -l	salloc + srun <code>—pty bash -i</code>
qsub into an existing reservation	<code>... —reservation= <reservation> ...</code>
pbsnodes	scontrol show node
pbsnodes (-ln)	sinfo (-R) or sinfo -RI -h -o "%n %12U %19H %6t %E" sort -u
pbsnodes -c -N n <node>	scontrol update NodeName? = <node> State=RESUME
pbsnodes -o <node>	scontrol update NodeName? = <node> State=DRAIN reason="some comment here"
pbstop	smap
qstat	squeue
checkjob <job>	scontrol show job <job>
checkjob -v <job>	scontrol show -d job <job>
showres	scontrol show res
setres	scontrol create reservation ReservationName? = <reservation> user=partec Nodes=j3c![053-056] StartTime? =now duration=Unlimited Flags=IGNORE_JOBS
setres -u <user> ALL	scontrol create reservation ReservationName? =\<some name> user=\<user> Nodes=ALL startime=now duration=unlimited FLAGS=maint,ignore_jobs
releaseres	scontrol delete ReservationName? = <reservation>