

Migrating from LSF

Down below are listed some frequently used LSF commands and their SLURM equivalents.

Essential commands

LSF	SLURM	Description
<code>bsub < script_file</code>	<code>sbatch script_file</code>	Submit a job script to the scheduler
<code>bqueues</code>	<code>sinfo</code>	Show available scheduling queues
<code>bjobs</code>	<code>squeue -u <username></code>	List user's pending and running jobs
<code>bsub -n 1 -q hpc_int -ls /bin/bash</code>	<code>srtn -n 1 -p slurmHPC_int --pty /bin/bash</code>	Request an interactive session

Job specification

LSF	SLURM	Description
<code>#BSUB</code>	<code>#SBATCH</code>	Scheduler directive
<code>-q queue_name</code>	<code>--partition=queue_name or -p queue_name</code>	Specify the scheduling queue
<code>-W hh:mm:ss</code>	<code>--time= hh:mm:ss or -t hh:mm:ss</code>	Set the maximum runtime limit
<code>-We hh:mm:ss</code>	<code>--time-min= hh:mm:ss</code>	Set an estimated runtime
<code>-J job_name</code>	<code>--job-name= jobname</code>	Specify a name for the job
<code>-o filename</code>	<code>--output= filename or -o filename,</code>	Standard job output
<code>-e filename</code>	<code>--error=filename or -e filename</code>	Standard job error output
<code>-n number-of-cores</code>	<code>--ntasks= number-of-cores or -n number-of-cores</code>	Number of CPU cores
<code>-m <host-group-name></code>	<code>--constraint="<host-group-name>"</code>	To select a node with a specific processor model

Further commands and options are listed at the following link [\[32\]](#).