

bsub command

Selected options for the bsub *[options] command[arguments]* command

Option	Description
-ar	Specifies the job is autoresizable
-H	Holds the job in the PSUSP state at submission
-l -lp -ls	Submits a batch interactive job. -lp creates a pseudo-terminal. -ls creates a pseudo-terminal in shell mode.
-K	Submits a job and waits for the job to finish
-r	Makes a job rerunnable
-x	Exclusive execution
-app application_profile_name	Submits the job to the specified application profile
-b begin_time	Dispatches the job on or after the specified date and time in the form [[month:]day:]minute
-C core_limit	Sets a per-process (soft) core file size limit (KB) for all the processes that belong to this job
-c cpu_time[/host_name /host_model]	Limits the total CPU time the job can use. CPU time is in the form [hour:]minutes
-cwd "current_working_directory"	Specifies the current working directory for the job
-D data_limit	Sets the per-process (soft) data segment size limit (KB) for each process that belongs to the job
-E "pre_exec_command [arguments]"	Runs the specified pre-exec command on the execution host before the job runs
-Ep "post_exec_command [arguments]"	Runs the specified post-exec command on the execution host after the job finishes
-e error_file	Appends the standard error output to a file
-eo error_file	Overwrites the standard error output of the job to the specified file
-F file_limit	Sets per-process (soft) file size limit (KB) for each process that belongs to the job
-f "local_file op[remote_file]" ...	Copies a file between the local (submission) host and remote (execution) host. op is one of >, <, <<, >>, <>
-i input_file -is input_file	Gets the standard input for the job from specified file
-J "job_name[index_list]%job_slot_limit"	Assigns the specified name to the job. Job array index_list has the form start[-end[:step]], and %job_slot_limit is the maximum number of jobs that can run at the same time.
-k "chkpnt_dir [chkpnt_period][method=method_name]"	Makes a job checkpointable and specifies the checkpoint directory, period in minutes, and method
-M mem_limit	Sets the per-process (soft) memory limit (KB)

-m "host_name [@cluster_name][[!] +[pref_level]] host_group[[!] +[pref_level]] compute_unit[[!] +[pref_level]]..."	Runs job on one of the specified hosts. Plus (+) after the names of a host or group indicates a preference. Optionally, a positive integer indicates a preference level. Higher numbers indicate a greater preference.
-n min_proc[,max_proc]	Specifies the minimum and maximum numbers of processors that are required for a parallel job
-o output_file	Appends the standard output to a file
-oo output_file	Overwrites the standard output of the job to the specified file
-p process_limit	Limit the number of processes for the whole job
-q "queue_name ..."	Submits job to one of the specified queues
-R "res_req" [-R "res_req" ...]	Specifies host resource requirements
-S stack_limit	Sets a per-process (soft) stack segment size limit (KB) for each process that belongs to the job
-sla service_class_name	Specifies the service class where the job is to run
-T thread_limit	Sets the limit of the number of concurrent threads for the whole job
-t term_time	Specifies the job termination deadline in the form [[month:]day:]hour:minute
-v swap_limit	Sets the total process virtual memory limit (KB) for the whole job
-W run_time[/host_name /host_model]	Sets the runtime limit of the job in the form [hour:]minute
-h	Prints command usage to stderr and exits
-V	Prints LSF release version to stderr and exits

Source: https://www.ibm.com/support/knowledgecenter/en/SSWRJV_10.1.0/lfs_quick_reference/lfs_quick_ref.html