

Torque

Cannot release hold on job

Issue: Attempts to release holds with `qrls` return no message, and do nothing, and attempts to release holds with `mjobctl -u` say:

"holds not modified for job 123456 (hold still in place)

However, `checkjob` will report that the job can run.

Solution: This is one possible reason for the problem: when submitting with a slot limit (e.g., `qsub -t 0-10%2`), Torque will refuse to let more jobs run beyond the specified slot limit (two, in this example).

As of the writing of this article (September 2015, Torque 5.0.2 & 5.1.1), the only way to really know the cause is to notice the slot limit indicator (e.g., `-t 0-99%1`) on the `submit_args` line of `qstat -f` for the array job. However, this will not display if the `-t` option was specified via a `#PBS` directive in the job script. These issues have been reported to Engineering, to be addressed in future releases.

Update: starting with Torque versions 6.0.3 and 6.1.2, `qstat -f` includes the slot limit indicator on the `"job_array_request"` line.

JIRA issues:

TRQ-3332

TRQ-3228

Unique solution ID: #1070

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