

Torque

How can I have Moab cancel a job if a node fails?

Issue: Job continue to run long after a node it was using fails.

Symptom: After a node fails with a job on it the job is unable to be removed until it runs past its wall time or a `qdel -p` is used to purge the job.

Solution:

Torque will do this if you have `job_force_cancel_time` set.

`job_force_cancel_time`

Format <INTEGER>

Default Disabled

Description If a job has been deleted and is still in the system after x seconds, the job will be purged from the system. This is mostly useful when a job is running on a large number of nodes and one node goes down. The job cannot be deleted because the MOM cannot be contacted. The `qdel` fails and none of the other nodes can be reused. This parameter can be used to remedy such situations.

Note: Upgrading to 5.0.x and up will help considerably if the site is running any version less than 5.0.x. There are a number of enhancements that help resolve these issues starting in 5.0.x.

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