Torque

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Issue:

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Example:

-00:02:44 'job submit failed - qsub: submit error (Pbs Server is currently too busy to service this request. Please retry this request.)' clusterquery (34 of 737 failed) -00:01:57 'cannot load cluster info - pbs_errno=15033' queuequery (40 of 735 failed) -00:01:57 'cannot get queue info - no data available'

Solution:

Consider looking at

cat /proc/`pgrep pbs_server`/status |grep -i thred

If the output is over 400, in this case Threads: 516, then consider setting a "max_threads" value in pbs_servers qmgr.

http://docs.adaptivecomputing.com/torque/6-0-2/adminGuide/help.htm#topics/torque/13-appendices/serverParameters.htm#max_threads

A good number for this value can be calculated with the following formula.

(2 * the number of procs listed in /proc/cpuinfo) + 1. If Torque is unable to read /proc/cpuinfo, the default is 10.

For most sites a value of 270-350 is suficient. Anything over 400 will most likely cause the OS to thrash between threads. Unique solution ID: #1123 Author: Jason Booth Last update: 2016-08-08 17:21