

Moab

Why is Moab not responding to client commands.

Issue: Why is Moab not responding to client commands.

Affected Versions: 7.2.x, 8.0.x 8.1.x

Symptom: When running client commands the command times out. Jobs appear to still be running however Moab just is not servicing client commands as often as I need.

Solution: There are several variable to consider for a cluster the is unresponsive to client commands. I will apptemps to address a few of the most common ones below.

Client commands hang and timeout without every getting a reply from the server.
Try setting (moab.cfg):

UIMANAGEMENTPOLICY FORK

CLIENTUIPORT 41560

In other cases the resource manager may be slow to start jobs. Use the [ASYNCSTART](#) flag. This flag tells Moab to optomystically start a job. Without this flag Moab will wait for confirmation that the job has started before starting the next job.

Additionally confier using [THREADEDQUERIES](#) (8.1.0 and up). When this flag is set for an individual RM, the queries that Moab performs to get information from the RM is done in a separate thread from the main Moab process. This allows Moab to remain responsive during the query and ultimately reduces the time spent in a scheduling cycle. If multiple RMs are being used the effect can be more significant because all RMs will be queried in parallel.

Additional Consideration:

http://docs.adaptivecomputing.com/8-1-1/enterprise/MWM/help.htm#topics/moabWorkloadManager/topics/appendices/a.ilargeclusters.html%3FTocPath%3DAppendices%7C____9

Unique solution ID: #1031

Author: Jason Booth

Last update: 2015-06-11 17:59