Moab

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Issue:

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Solution:

You cannot define custom bounds on the showstats command line, but you can define global STATPROC* parameters:

http://docs.adaptivecomputing.com/9-0-1/MWM/help.htm#topics/moabWorkloadManager/topics/appendices/a.aparameters.html%23statprocmax

Note the caution about how this will reset stat data!

Example:

STATPROCMAX
Format <INTEGER>
Default 1
Description
Specifies the maximum number of processors requested by jobs to be displayed in matrix outputs (as displayed by the showstats -f command).

Caution: Altering this setting will reset all recorded statistical data related to it. Do not change this parameter via mschedctl -m (or changeparam).

Moab only reads in this setting when starting up (or restarting).
Example
STATPROCMAX 256
STATPROCSTEPCOUNT 4
STATPROCSTEPSIZE 4
Each matrix output will display data in rows for jobs requesting between 4 and 256 processors.

A NONE in services will still allow users to run showq and checkjob on their own jobs.

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