# Moab

# Is there a way to define statics on AVGQTIME or any other metric from showstats -f so that data could be presented for 1024-node jobs, 2048-node jobs?

### Issue:

Is there a way to define statics on AVGQTIME or any other metric from showstats -f so that data could be presented for 1024-node jobs, 2048-node jobs?

# 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.

Unique solution ID: #1122

Author: Jason Booth

Last update: 2016-08-08 17:09