

Grid Applications and Performance BoF

SC|05 BOF
Tuesday November 15
12:15-1:15pm
Room 615-616

The SC|05 Grid Applications and Performance BoF is being held to facilitate discussion between application scientists and performance tool developers over the performance needs of applications and how tool developers can help satisfy those needs.

Applications are being slowly adapted to run over multiple administrative domains in a coordinated manner, but seldom achieve even a fraction of the performance possible with their underlying systems. This is in part due to users rarely knowing what performance could be achieved, which in turn is mainly caused by a lack of data from which estimates of baseline performance can be formulated. Without such estimates it is not possible to compare current application performance with that achievable through some degree of tuning.

The BoF follows a successful Third International Grid Performance Workshop at which application scientists and tool developers joined to identify recommendations for future work. The workshop findings are summarized in the workshop report <http://www-unix.mcs.anl.gov/~schopf/GPW2005/report.pdf> and represent possible discussion topics for the BoF. Example topics include:

- ❖ Paper surveys or interviews are needed to better understand application requirements with respect to performance measurement, monitoring and optimisation. What is the best way to proceed with this task?
- ❖ Joint application and tool developer projects should be encouraged to promote greater understanding between the two communities and hence mutual benefit. What is the best way of achieving this?

For more information see <http://www-unix.mcs.anl.gov/~schopf/GPW2005/bof.html> or contact Jennifer M. Schopf: jms@mcs.anl.gov