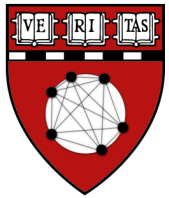
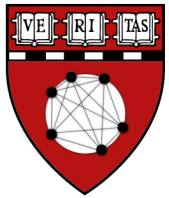


Operational:

- Running production level jobs, and debugging along the way.
- Over 200K wall clock hours so far in January
- Using OSG MatchMaker from Engage/RENCI
- Working with Condor team and Mats Rynge to tune our system.
- Primary workflow is a 10,000 node Condor DAG.
- Obtaining about 1200-3000 concurrently running jobs, heavily using USCMS-FNAL-WC1 and Firefly
- Generation of a single job can take 6-12 hours. Huge process overhead and filesystem i/o (over a 500K small files generated)
- High failure rates at some sites, often due to simple dependencies failures (lack of bzip, or old versions of curl) Currently analyzing the failures, and tuning our job scripts, or contacting sites.



Outreach:

- Primary user is Ian Stokes-Rees/Piotr Sliz, running molecular replacement with Phaser
- NMR expert (Nuclear magnetic resonance) at Harvard Medical School
- Researcher from Mass General Hospital doing statistical analysis for lung cancer research.
- Researcher from Immune Disease Institute using Rosetta for protein docking simulations.
- Web portal infrastructure is still in place, but we are currently running most jobs on the command line.
- Barrier of entry for new users is still very high. Getting a DoEGrids certificate proves incredibly difficult, daunting and problematic for our users. (http://abitibi.sbgrid.org/grid/register/wizard)
- Learning to use unix command line, ssh, all discouraging to new users.
- We would like to provide users with a birds eye view of the grid, ie: where jobs are running, where they are failing, and why.