Strategic Grid Plan of CDF 2008

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CDF Grid Plan for 2008

- Goals and strategy are unchanged (compared to the two year plan prepared last year).
  - data analysis and reconstruction on-site/Monte Carlo generation off-site
  - streamline operations and implement solutions that can be operated in an environment of reduced effort
  - support of SAM data handling operations and underlying dcache storage service (SRM)
  - continue the use of Condor glidein with a single point of job submission for CDF users to non-Fermilab OSG sites (NAmCAF, similar to LCG site handling in Europe and the sites in Asia)
  - stabilize, monitor and mitigate any problems quickly

- Would like to move farmCAF and groupCAF into Grid, need to understand implication and resolve all technical issues.

- Increase compute resources based on experiment's needs

2008 Requirements

- **Expected job rates:**
  - 3,000 jobs per day
  - 70,000 sections per day

- **Types of jobs:**
  - data access/analysis, reconstruction, Monte Carlo

- **Expected processing needs:**
  - 1.3 * 2007, plus 5.5 Bevts * 4 sec/evt for v7 production

- **Expected Grid storage needs:**
  - 3.5 TB enstore tape (on-site)
  - 350 TB dcache disk (on-site)
  - 10 TB disk buffer for SRM transfers at large sites used for Monte Carlo generation