



FNAL SC4 Report

Service Challenge Technical Meeting
June 21, 2006



Transfer Problems Encountered



Tier-0 to Tier-1

- ➔ It is difficult to immediately tell at a site if the observed rate is caused by a problem, or by the lack of driving the link, or a problem at the source site
- At the least it would be useful to have visible monitoring from FTS giving the active requests for each channel
 - Some idea of requested load vs. achieved load
- Somehow better ability to diagnose the source of the error
- ➔ It was difficult to keep the pipe full without many transfers in flight
- Investigating the issues
- ➔ More recently we have been unable to achieve good rates from CERN with the CMS FTS Production Channel



Service Installation Issues



gLite-CE

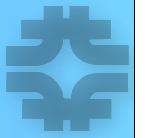
- ➔ Still working on getting the gLite-CE connected to Condor batch
- Potentially easier than PBS or LSF, but no support in the installation tool
 - Working to resolve
 - We hope to fix by July 1st

FTS

- ➔ Originally intended to install the MySQL version of FTS
- Does not appear to be a deployable production due to database locking under low load
 - Entire table appears to be locked
 - Choices are to switch to Oracle, which requires us to set up support from the FNAL support group
 - Apply expertise to correct the existing implementation
 - We hope to have a solution by July 1



Middleware Additions



It would be useful to have better hooks in the grid services to enable monitoring for 24/7 systems

- ➔ We are implementing our own tests to connect to the paging system, but if the services had reasonable health monitors we could connect to it might spare us re-implementing or missing an important element to monitor.