

Production release of xrootd for STAR

Pavel Jakl

S&C meeting

3rd of May 2006

Outline

- 1 Production release
- 2 Ongoing/future work and issues

Production release

- What does it means ?
 - xrootd is now available for all STAR users on analysis farm
 - not all features are in place (HPSS plugin in next release)
-> coming soon
 - faster submission of jobs, more fault-tolerance for jobs
 - please use it, we need to see xrootd in large scale of users
- How can I use xrootd ?
 - Simple: specify in your SUMS job description
fileListSyntax="xrootd"
 - Example:
`<job maxFilesPerProcess="20" fileListSyntax="xrootd"/>`

Ongoing/future work and issues

- benefits by introducing the HPSS plugin
 - additional fault tolerance of jobs (missing data could be staged again within user's jobs)
 - dynamic population of distributed disk (files from HPSS could be accessed within user's job)
 - datasets don't need to be watched in case of disk format/reset
- still have following HPSS plugin issues
 - lack of coordinating requests to HPSS solved by DataCarousel
 - HPSS I/O rate from xrootd stand-point is now too slow (in average about 3MB/s)
 - need to set up and test purging mechanism and thresholds