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Pilot Jobs + glxexec

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Topics

- Policies
- Review of Frameworks
- glxec
- Batch systems
- SCAS/LCAS



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Policy

- At its meeting in March, JSPG produced a new draft of the security policy document on multi-user pilot jobs.
- This draft (V0.4a) may be found at <https://edms.cern.ch/document/855383/1>
- The important change was that this policy now refers to the new policy on Traceability and Logging).
- Almost ready for approval



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Experiment Frameworks

- The evaluation group was of the opinion that LHCb's framework looked likely to be approved.
- After MB discussion, a few sites volunteered to test LHCb's with existing glEXEC and LCAS to permit testing of the framework in parallel with SCAS development.



glexec

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- Testing continues
- issues found
- CERN plan to start testing with LCAS



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Batch testing

- **LSF** CERN
<https://twiki.cern.ch/twiki/bin/view/FIOgroup/FsLSFGridglExec>
- **PBS** NIKHEF, LAL
<http://www.nikhef.nl/grid/lcaslcmaps/glexec/osinterop.php>
- **PBS-Pro** FZK still testing
- **BQS** CC-IN2P3 – no problems found
- **SGE** CESGA – no problems found
- **Condor** FNAL – in production
- Others?

- CERN Tests are a good example. NIKHEF will publish a generic set soon.
- glexec version 0.5.23
</afs/cern.ch/project/etics/repository/org.glite/org.glite.security.glexec/0.5.23>



LCAS/SCAS

- LCAS developers proposed a method of using LCAS across a cluster.
 - a partitioned set of uids, unique to a WN
- TCG advised against this.
 - worried that once this was released SCAS would not gain acceptance
 - much preferred the single decision point of SCAS
 - and the complicated configuration required on WN
- General agreement on using SCAS.
- Coding complete, developer testing,
- Not yet in certification, estimate end of June



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Summary

- With SCAS not reaching certification until July even the LHCb framework is unlikely to be in production for months.
- Framework testing without SCAS is encouraged to test the interworking of framework and batch systems.