



Support for Pilot Jobs

GDB

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MB Statement

- It will be acceptable for the experiments to run multi-user pilot jobs **without requiring identity switching for a period of 3 months** (i.e. until end of February 2010)
 - o This means that we are temporarily and exceptionally **suspending the identity-switching requirement of the existing JSPG Policy on Grid Multi-User Pilot Jobs**:
<https://edms.cern.ch/file/855383/2/PilotJobsPolicy-v1.0.pdf>;
 - o During this time problems with workloads at a site will be the responsibility of the VO i.e. **The entire VO could be banned from a site**;
 - o The situation will be reviewed after **3 months, or earlier** if needed due to operational or other circumstances.
- **The deployment of glxexec and SCAS (or equivalent) should proceed as rapidly as possible at all sites.** The versions of both components for SL5 are now available. Note that SCAS is the solution for EGEE sites, other implementations of this function may be implemented elsewhere, but glxexec must be deployed as the interface for the pilot jobs to use.
- The experiments that propose to submit multi-user pilot jobs should endeavour to ensure that their **frameworks make use of these tools on this same timescale.**
- We will implement **a test to validate** the availability and usability of a glxexec installation at a site.
- The long term policy requirements of traceability and the ability to ban individual users from a site remain unchanged, but we agreed to **start a review** of how these requirements could be better managed and implemented in the long term to satisfy the needs and constraints of sites and experiments.



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What next?

- Continue deployment
- Implement test for sites
- Test frameworks
- Longer term review



Ask Sites for Feedback

- The project has got into this situation and seeks a way forward.
- Sites should make their position known through the GDB and MB and Tier1s, especially if:
 - They cannot support multi-user pilot jobs without identity switching now, or after some period of grace.
 - They cannot install glexec on worker nodes as requested.
- For example either or both of these may be explicitly forbidden by their institutions security and/or acceptable use policies.
- ACTION all sites



Status of glexec/SCAS

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- gLExec and SCAS have both been certified for SL4 and SL5
- They are available for phased rollout
 - i.e. Not in the default release.
 - Is this true for both SL4 and 5?
- No excuses on availability



Status of deployment

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- Who has deployed?
- Lancaster, FZK, CC-IN2P3, NIKHEF
- ???
- Report regularly



Experiment testing

- Alice – manage identity themselves – check review
- ATLAS – implemented in Panda but no field testing
- LHCb – tested at a few sites. Works but hard work to configure sites
- CMS -



Experiment Deployment Model GDB

- My understanding – needs confirmation
- ATLAS – sites subscribe to pilot job factory with glEXEC support switched on
- CMS – choice of CRAB plugin.
 - WMS version submits as user.
 - Glidein version could use glEXEC (or does?)
 - How does CRAB instance decide which sites to target?
- LHCb – role=pilot
 - Monitor sites by ad hoc SAM test
 - Not sure whether they feed sites into Dirac or dynamically discover role=pilot



Experiment/site configuration

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- How does a site say it does/does not accept pilots?
- How does an experiment know that a site runs glxexec?
- LHCb use the Role=pilot
- Should/can the others do the same?



Technical Forum

- Discussions of this policy have highlighted questions about the long-term viability of the recommended model#
- Plan to review this in a sub-group of the Technical Forum including the people who reviewed the frameworks originally
- Needs to include security people, and informed site representatives who have not been included in MB discussions.



Further discussion

- Sites to check on the effect of the MB statement on their local security policies (or vv)
- Sites to deploy glEXEC/SCAS
 - WN in a test queue acceptable for now.
- A SAM test to give experiments confidence that glEXEC is properly installed/configured
- Experiments to test their frameworks against sites which have deployed
- Frequent feedback and review