

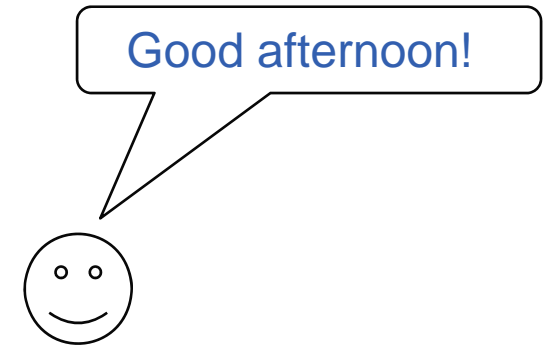
# glexec/SCAS pilot service

*Status and short-term plans*

*Antonio Retico*

*GDB 10-Jun-09 - CERN*

- **Update since the last GDB**
- **List of Open issues**
- **Next Steps**



- **Coordination: Antonio Retico (CERN) - exit Gianni Pucciani (thanks!)**
- **JRA1: Oscar Koeroo (NIKHEF), Mischa Salle**
  - Developer, support
- **SA3 contact: Andy Elwell (CERN) (NEW) repl. Gianni Pucciani**
  - testing
- **SA1: Angela Poschlad (FZK), Pierre Girard (IN2P3), Jan Jus Keijser (NIKHEF), Peter Love (LANCASTER) (NEW)**
  - Site installations
- **Atlas: Jose Caballero, Maxim Potekhine (BNL)**
  - PanDA Integration
- **LHCb: Andrei Tsaregorodtsev, Stuart Paterson (CERN)**
  - Dirac3 Integration

- **IN2P3**

- Two CEs connected to production batch available supporting LHCb (28-May)
- Two SCAS servers (test of load-balance in progress) (28-May)

- **LANCASTER**

- CE connected to production batch available supporting Atlas (28-May) and LHCb (2-Jun)
- Issue with voms proxy detected by Atlas under investigation (see later)

- **FZK and NIKHEF**

- Set-up unchanged (supporting both experiments)

- **Atlas**
  - Trying to run pilots at LANCASTER
  - Plans to let PanDA use glxexec during STEP09
- **LHCb**
  - Run basic tests at Lyon (12-May)
  - More complex testing with DIRAC payload in preparation
  - **Suffered for lost environment variable**

- **Certification of PATCH #2973 (glexec) in progress**
  - Last missing bit ([report of certification against CREAM](#)) now available
  - functionality of glexec vs CREAM generally OK
  - Waiting for a comment from CREAM developers on a few issues observed before declaring it certified

- **Script to wrap/unwrap the environment variables**
  - Final version (Perl) now available
  - Packaged and built in ETICS (noarch rpm)
  - Testing against different shells/environments being finalised
  - Patch in preparation
- **The package will contain:**
  - 1 script to wrap the environment (to be called by the framework)
  - 1 script to unwrap the environment (to be called by the payload job)
  - 1 wrapper script (environment managed transparently running a command under glxec)
  - 1 shell script with usage examples.
- **Will be deployed in the PPS installation as soon as available**

# List of open issues (glexec)

Open issue	Reported by	bug(s)	Status
Difficult deployment over non-root WN installations	IN2P3	<a href="#">48966</a> <a href="#">50908</a>	Under discussion ( <a href="#">comment made by Maarten</a> )
Environment lost after running glexec	LHCb	na	Solution based on wrap/unwrap scripts under development
glexec fails if valid VOMS proxy also contains expired extensions	Atlas	<a href="#">41472</a>	Should be fixed but it's happening again at LANCASTER (under investigation)
glexec refuses doubly limited proxies	Atlas	<a href="#">40822</a> <a href="#">41237</a>	Fixed by PATCH:2990 (LCMAPS) in certification



- **Keep running the PPS installation until the end of June**
  - DIRAC integration (is end of June OK?)
  - Test of the wrap/unwrap-environment script
- **Release SCAS and glexec (PATCH:2973) as soon as certified**
  - Provided that the issue at LANCASTER is understood
  - Wrap/unwrap-environment script to be added alongside later on
  - Doesn't support sites running WNs on non-root file system (such as IN2P3)

