

Devel progress

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- **Status report**
 - Portability report
 - gLExec
 - LCAS & LCMAPS
 - SCAS
 - PEP
 - EES

- **All lights are green!**
 - LCAS VOMS: Build problem fixed
 - All components build successfully
 - on SL4-32/64 with gLite 3.1
 - on SL5-32/64 with gLite 3.2
 - Some have shown to build on SL5-32 with gLite 3.1
 - Curiosity: For years VDT is packaging gLExec for OSG infrastructure on RHEL3-32, RHEL4-32/64, RHEL5-32/64*
 - * since initial introduction as supported platform in OSG
- **Debian:**
 - Tried to build against Debian, but not all build dependencies could be completed by Etics on this platform**
 - ** Might have changed in the meanwhile

- **Fixes:**

- Error messages and return codes:

- 201 - user error
 - 202 - system (setup) error
 - 203 - authz failure
 - 204 - child process returned with an overlapping rc 201-204
 - 126 - standard shell compatible rc when executable isn't executable

- Man pages improved on readability, accuracy and is up to date

- Configuration file parsing improved

- **Code revision:**

- Lots of lines of code revised for safety and stability reasons

- **New feature:**

- Lock mech. on input and target proxies (flock, fcntl or disabled)

- **Improved integration testing by development team**

- 12 deploy. scenarios * 13 tests * x amount of proxy use cases

- **LCAS VOMS plug-in build problem fixed**
 - Building against native SSL libs resulting in SL5-32/64 build compliance

- **The pool index value was mandatory...**
 - The bug emerges when all possible poolaccount plug-ins failed or don't apply and only a localaccount (of any type) succeeds, thus not setting a poolindex (poolaccount specific)
 - Only experienced when the PEM interface to LCMAPS was used
 - Node types affected:
 - WMPProxy*
 - SCAS
 - gLExec and (therefore) CREAM-CE
 - * Could be a non-issue if another interface was used

- **gLExec with SCAS**
 - very robust connectivity
 - Focussed on client-side stability servicing pilot job frameworks
 - Multi endpoint support for fail-over and load balancing
 - low network traffic using SSL
 - Uses pilot job FW for client side of SSL handshake while AuthZ decision and mapping is using the payload pr
- **Controlled situation, reliable (thus far), but leaky...**
 - Not ideal and will be fixed in various places were its required
- **PPS and PS**
 - Currently deployed at FZK (PPS), IN2P3-CC (PPS) and Nikhef (Production)
 - Atlas and LHCb are/have adapting/adapted their pilot job FW
 - OSG is still a happy customer
- **SCAS is embedded in the interoperability integration tests at Fermilab for (primarily) gPlazma to SCAS interaction**
 - A failure will hold back the roll out of a new dCache version

- **Stable version released by David G.**
 - Has all the required options
 - Tested to work with newest gLExec and LCMAPS
 - Need to run full integration test in all gLExec deployment scenarios

- **Evolution of SCAS into EES is being worked on**
 - Involves the creation of a more versatile core framework
 - Needs to be able to handle arbitrary credentials data
 - Needs to exchange data more freely between the plug-ins
 - ... and must not break legacy interfaces when using LCAS, LCMAPS or plug-ins of either type
 - The development work is underway taking our heritage and future plans into account