



Enabling Grids for E-science

# gLite Restructuring Update

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[www.eu-egee.org](http://www.eu-egee.org)  
[www.glite.org](http://www.glite.org)



- **Result of discussions at Bologna AAM, January 2007**
  - <https://edms.cern.ch/file/840168/1/EGEE-II-NA1-TEC-gLiteRestructuring-v0.4.doc>
- **Endorsed by PMB**
- **Execution started on May 28**
  - Progress tracked ~weekly between SA3, JRA1, ETICS, TD

- **Tasks that have to be done BEFORE execution starts**
  - Move to SL4 on worker nodes and user interface – **DONE**
    - WN released to production on June 6
    - UI released to pre-production on June 18
  - Move to ETICS build infrastructure – **DONE**
    - Decided to move to gLite 3.1 environment (VDT1.6, ETICS) by TCG also for SL3 support – but not for all components
    - Everything building for SL4 – testing progressing component wise
  - Stabilization and scalability of WMS and LB – **Certification pending**
    - Experimental service reached required stability and scalability
    - In certification – production RBs at CERN are being replaced with new versions, in parallel release to PPS
    - Still building with old build system
  - Stabilization and scalability of the gLite-CE – **ONGOING**
    - Significant progress made with experimental service
    - gLexec-enabled blah under test now
    - Condor expert visit planned for early August
    - See following presentation

- **Tasks progressing in parallel with the plan**
  - Security patches
  - Blocking bugs
  - SRM-2.2 support in DPM, lcg-utils, gfal, FTS – **DONE**
  - Update to Glue-1.3, required for SRM-2.2 support – **DONE**
  - Group based accounting (APEL/DGAS) – Ongoing
  - Some FTS improvement – Ongoing
  - Secondary groups support on DPM & LFC and resolution of the rfiio problems – **DONE** modulo **rfiio problem**
  - Encrypted data and catalogue access (gfal extension and LFC work) - Ongoing
  - Deployment (and config. support) of “Job Priorities Work Group” - **DONE** and **UNDONE** – back in working group for redesign
  - VOMS Admin-2 supporting generic attributes – **Certification pending**

## 1. Compact UI and WN – 4 weeks (including testing)

- May 28 – June 22
- Goal: Remove obsolete components from the repository
- **Status:** *This milestone started on May 28 and has been finished on June 22 in time.*  
*The number of rpms and size of the distribution has been reduced significantly, still it is more than 120 MB which is excessive and will be further reduced via the actions associated to the following milestones.*
- **DONE**

## 2. Remove non-gLite dependencies from Meta-RPMs – 5 weeks (including testing)

- June 25 – July 28
- Goal: Gain a better understanding of the dependencies of individual components
- **Status:** *This milestone started on June 25 and is progressing according to plan. It is envisaged to be passed by the end of July according to the plan.*

3. **Reduced and disentangled dependencies per component – 6 weeks**
  - July 30 – Sep 7
  - Goal: Dependencies per component cut down to a minimum
  - **Status:** *Preliminary work to start this milestone, in particular the set-up of “dependency challenge teams” has started. The work is expected to start as planned beginning of August.*
  
4. **Unified Dependencies across Components – 4 weeks (1 week can be in parallel with item 3 above)**
  - Sep 10 – Oct 5
  - Goal: Common set of external dependencies
  
5. **Cleaned Client/Server code – 5 weeks (including testing)**
  - Oct 8 – Nov 9
  - Goal: cleaner separation between client and server code

- **gLite restructuring started and progressed according to plan**
- **Several items of future milestones already being addressed**
- **Upcoming vacation period might have an impact, current planning tries to cover that**