



WLCG Worldwide LHC Computing Grid

Middleware Status

CCRC 08 April 1st



EGEE-II INFISO-RI-031688



Information Society
and Media

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Open Patches

LCG-CE

- Performance enhancement [Patch #1752](#)
 - Thanks to Andrey, Di and David
- Currently in packaging
- Has been tested on a subset of CERN production CEs (thanks Ulrich)
- **Relevance**
 - Improves scalability by handling multiple users more efficiently
 - Load is significantly reduced, more users and jobs can be handled
 - If a site didn't see resources problems on the CE in February it might be less important
 - T1s and T0 definitely can benefit from it



Open Patches

FTS

- [Patch #1740](#) (glite 3.0 branch (SL3))
 - Update to transfer-url-copy (Fixes bug #33528)
 - gridFTP session handling supports now CASTOR2's gridFTP2
 - Ready for certification (work will start this week)
 - Priority for the next weeks (stress testing)
- [Patch #1671](#) (fallback)
 - Has been released
 - Addresses SRM copy space token mixup

FTS on SL4

- Internal tests will start next week (in configuration)
- Not likely to see production soon
 - Code base differs. New:
 - Tomcat + VDT + SL4 + better config + more service monitoring
- Not a problem (now) for the sites



Open Patches

FTM

- Additional module for FTM
 - Makes transfer logs and current FTA config available (FTM web server)
 - Improves cleanup of old transfer logs
 - Available via WLCG (not yet in the gLite release)



Open Patches

GFAL LCG-util

- [Patch #1738](#)
 - Gfal 1.10.9-1
 - Lcg-util 1.6.9-2
- Fixes 10 bugs
- Certified on the 27th March, release to PPS this week

Depends On The Following Items
🐛 lcg-utils should support bulk operations (bug #31756, Ready for Review)
🐛 lcg-gt prints "-1" (bug #33070, Ready for Review)
🐛 lcg-ls does not work for the classic SE (bug #33072, Ready for Review)
🐛 lcg-cr Segmentation faults using WN/UI SL4 Update12 (bug #33076, Ready for Review)
🐛 lcg-cr gets stuck when registering file (bug #33306, Duplicate)
🐛 [gfal] no possibility to set protocol list to NULL for gfal_prestage (bug #33448, Ready for Review)
🐛 lcg-uf gives wrong return value (bug #33638, Ready for Review)
🐛 [lcg-util] lcg-ls returning negative sizes (bug #33647, Ready for Review)
🐛 [gfal] gfal_stat seg. fault with dummy LFN (bug #33749, Ready for Review)
🐛 [lcg-util] lcg-cr glibc memory corruption (bug #33833, Ready for Review)



Open Patches

DPM

- DPM 1.6.7-4 in PPS, ready for production
 - Fixes the umask problem and some minor issues
 - This is the high priority Patch
 -
- DPM/LFC 1.6.10 in Certification
 - Fixes some long standing issues and introduces dicom interface
 - Complex changes, not likely to be in production in May



Open Patches

Glexec

- We have a patch but wait for SCAS
 - The timetable for SCAS seemed to be no problem
 - SCAS is already delayed
 - We now we consider to go ahead with glexec first
 - Not available in May

WMS on SL4

Dependency problems (inversion)

- Non backward compatible version of the jdl-api-cpp had been released to production long time ago
- WMS for SL4 depends on an earlier version
 - Side effect of extended test period (6 months)
- Fixed, received new RPMS
 - Sanity check certification will start
 - No need to rerun 5 days stress test
- Slim chance to see this widely deployed in May



Open Patches

Edg-gridFTP-clients

- [Patch #1721](#)
 - In certification by INFN
 - Improves handling of timeouts
 - Simple problem, should be ready

Job priorities

YAIM and infoproviders are certified and go to PPS this week
(This supports Torque only)

This has a long deployment timeframe

Sites and Vos have to discuss queue structure

dCache 1.8

Certification ongoing, for CCRC 08 all sites are using DESY's release

AMGA ORACLE

In PPS



Open Patches

64bit WN

- In PPS
- Needs testing by experiments
- Some minor problems with 32/64 selection of binaries

SGE support

in PPS

And a large number of small Patches for:

VOMS ADMIN, RGMA, SE-CLASSIC, MPI, LCG-VO Tag ++++