

LCG: the LHC Computing Grid project

Middleware update

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Rollback



Rollback procedure has been implemented and tested internally.
We can again start to release for gLite 3.1.

A release of WMS (patches 1841 & 2562) and glite-CREAM (patch 2669 - short term proxy renewal solution for CREAM) was done at 25 Feb. 08

Problem with incomplete rpm lists has been fixed.

gLite 3.2/SL5



Main changes

- VDT 1.10
- Gridsite 1.5
- LB 2
- Re-organized WMS (UI) build
- Java 6

The move to VDT 1.10 (use of system OpenSSL) triggered several changes in gLite (build scripts, code base).

With gLite 3.2 we introduce rpm signing. Rpms get signed after successful certification.

Release Plan TWiki:

<https://twiki.cern.ch/twiki/bin/view/EGEE/SL5Planning>



SL5 WN currently in PPS.

- Release to production on March 23 2009.
- Release date shifted one week back because of the introduction of signed rpms.

Next node types:

- UI
 - Builds 100%, but...
 - We wait for a release tag for wms-ui.
 - A runtime problem with CREAM CLI/VOMS was detected within a deployment test by the CREAM team - currently under investigation.
 - VOMS clients cannot be built independent of VOMS server.
- CREAM
- DPM
- FTS
- ... What are the most wanted?
 - MONBOX is problematic as APEL still needs RGMA.

Estimating release dates

- We hardly get test results of (deployment) tests done by the clusters of competence. Thus we have no idea how the rpms will behave in certification.
- The situation is improving (e.g. for CREAM, WMS, VOMS deployment tests are being done). Clusters of competence start to do more tests; results are often communicated privately. It is a target for EGEE III (and EGI...) to work on this.

Time spent in PPS:

- 1 week

Approx. certification times (no problems & experienced certifier) :

- UI - 1 day
- FTS, DPM, CREAM, VOMS - 4 days

Release dates best effort estimate:

- UI : first half of April
- CREAM, DPM , FTS: April

SCAS/glexec patch history from last GDB



SCAS: still working on patch #2767

- The memory leak in the SCAS server is still present but the new SCAS client rpm has removed the errors due to the internal SCAS refresh.
- According to the SCAS developers the memory leak is due to a problem in Globus. They are in contact with globus.
- A configuration problem concerning the grid/voms-mapfile found in certification has been fixed and committed by Maarten.
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Glexec:

- Patch #2770 has been obsoleted.
- Patch #2829 provides consistent exit codes and an improved SCAS client package that removes the glexec errors due to SCAS refresh. The patch is still in certification to verify exit codes.

Latest stress test results



A new 4 days stress test has been done, using 100 different users' credentials. Details at:

https://twiki.cern.ch/twiki/bin/view/EGEE/SCAStestsresults#10_March_2009

The results are similar to the one presented at the last GDB, but the glexec errors have been nearly removed:

From (6M request, 14K errors) to (3M requests, 1 error)
(the first test was longer)

glexec response time



Most of the glexec calls to SCAS get an answer back in ~1sec

- Zone [0,2): 98.16%
- Zone 2 [2,10): 1.80%
- Zone 3 [10, +inf): 0.04%

Setup: 10 WNs,
100 user credentials

