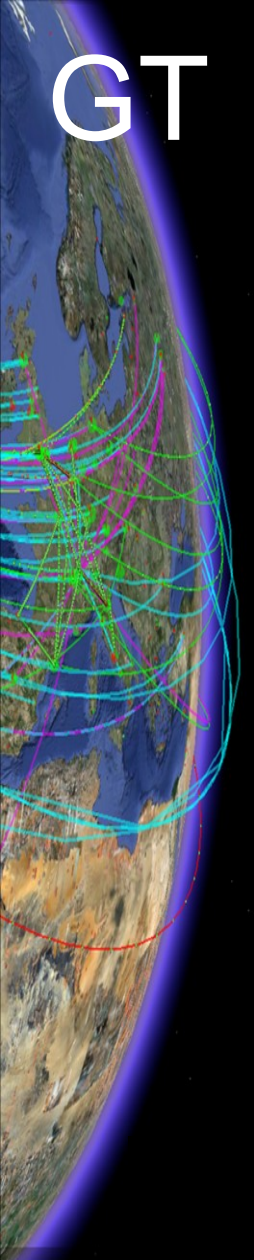


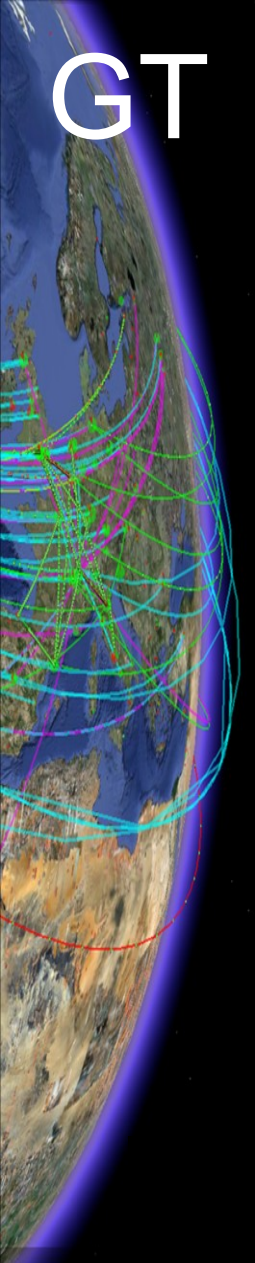
Middleware Update

GDB, 6th April 2011

Slides by Maria Alandes Pradillo, CERN



- gLite 3.2 support
- gLite 3.1 support
- gLite releases since February
 - BDIIs
 - WN
 - CEs and CLUSTER
- Upcoming releases before EMI-1
- CONDOR_utils not released in gLite 3.2





- As already presented in the last GDB:
- EMI release support policy is applicable to gLite 3.2:
 - gLite 3.2 will be fully supported until October 2011
 - Fully supported means bug fixes and minor functionality of a certain priority.
 - Services that are not in glite 3.2 by now don't fall under this definition:
 - WMS will not be backported into gLite 3.2. WMS will be taken from EMI.
 - CREAM 1.6.x from glite 3.2 is the version to be used until there are reasons to upgrade to newer versions of CREAM from EMI.
 - Then Security Updates only until April 2012 (EMI-2)
 - That is security updates fixing vulnerabilities whose target date falls within that date, according to the SVG assessment : <https://wiki.eji.eu/wiki/SVG:SVG>



- Services fully supported in 3.1:
 - lcg-CE, and therefore:
 - TORQUE_utils, SGE_utils and LSF_utils
 - glite-CLUSTER
 - WMS
 - FTS/FTA/FTM
- Security updates only:
 - UI, WN
 - VOMS
 - DPM and LFC
 - Exceptionally there's a last update in 3.1 this week to fix a memory leak in VOMS (requested by EGI)
- Details in http://glite.cern.ch/support_calendar



- gLite releases can be tracked in:
 - <http://bit.ly/22we3i>
 - The *Should be finished on* field defines the deadline for the release to be certified.
 - We haven't included the date to Production because we don't know how long the Staged Rollout lasts.
- gLite releases are presented in the Tier 1 SC meeting:
 - <https://twiki.cern.ch/twiki/bin/view/EGEE/LCGprioritiesgLite>
 - Give us feedback so that we can reassess priorities!
 - At the meeting or to gd-release-team@cern.ch



- gLite 3.2:
- Site BDII: http://glite.cern.ch/R3.2/sl5_x86_64/glite-BDII_site/3.2.11-1
 - Glue 2.0 case sensitivity problem.
 - Packaging issues.
- top BDII: http://glite.cern.ch/R3.2/sl5_x86_64/glite-BDII_top/3.2.11-1/
 - Same fixes as site BDII
 - GOC DB URL change
 - From EGI: Deadline to decommission old GOC DB URL postponed on 30th June.



- gLite 3.2:
- glite-WN: http://glite.cern.ch/R3.2/sl5_x86_64/glite-WN/3.2.10-0/
 - FTS clients added as new dependencies.
 - New version of WMS and LB clients.
 - New version of Data Management clients.
 - Added python 2.5 and python 2.6 bindings for Data Management clients.
 - New version of VOMS-Admin.
 - New versions of lcg-infosites and lcg-ManageVOTag.
 - Some known issues:
 - Installation issues with Data Management Packages.
 - https://gus.fzk.de/ws/ticket_info.php?ticket=68467
 - Missing 32 bit versions of Data Management Packages.
 - https://gus.fzk.de/dmsu/dmsu_ticket.php?ticket=68934



- gLite 3.1
- lcg-CE: http://glite.cern.ch/R3.1/sl4_i386/lcg-CE/3.1.46-0/
 - It can be configured to work with glite-CLUSTER
- glite-CLUSTER: http://glite.cern.ch/R3.1/sl4_i386/glite-CLUSTER/3.1.4-0/
 - A detailed twiki is in progress to explain different deployment scenarios: <https://twiki.cern.ch/twiki/bin/view/LCG/CLUSTER>
- gLite 3.2:
- CREAM 1.6.5: http://glite.cern.ch/R3.2/sl5_x86_64/glite-CREAM/3.2.10-0/
 - Critical issue reported by LHCb (truncation of arguments)
- glite-CLUSTER: http://glite.cern.ch/R3.2/sl5_x86_64/glite-CLUSTER/3.2.2-0/
 - Manual configuration documented to be used with CREAM.



- 3.1 WMS: <https://savannah.cern.ch/patch/index.php?4736>
 - In production this week
 - It fixes a vulnerability issue
- 3.1 DPM/LFC: several patches
 - VOMS memory leak fix
- 3.2 TORQUE: several patches
 - New version of torque
- 3.2 UI: <https://savannah.cern.ch/patch/index.php?4200>
 - Same release as the one for the WN
 - Discussing how to fix the known issues found in the WN first
- 3.1 and 3.2 FTS 2.2.5: several patches
 - Detailed Release notes:
https://svnweb.cern.ch/trac/glitefts/wiki/FTSRelease_2_2_5



CONDOR_utils in gLite 3.2

- PIC confirmed that they won't be working in CONDOR_utils for gLite 3.2.



Status of lcg-CE

- Our plan is to check now where we are with the following issues in order to define a retirement calendar for lcg-CE:
 - Deployment of CREAM
 - Status of Availability calculations in SAM/Nagios. (to be presented in the next presentation)
 - Status of Missing FCR blacklisting functionality for CMS needs. (to be presented in the next presentation)
- Depending on the status of the issues above, a possible retirement calendar could be:
 - End of standard updates: September 2011
 - End of security updates: End of 2011
 - Details to be discussed also with EGI



Deployment of CREAM

- Two CREAM releases done since the beginning of the year:
 - CREAM 1.6.4
 - Released on 09.02.2011
 - It fixes outstanding issues reported by sys admins.
 - CREAM 1.6.5
 - Released on 24.02.2011
 - It fixes a critical bug for LHCb
- CREAM in 3.1 no longer supported since 01.03.2011 -> Only 3 CREAM CEs are in 3.1.
- No critical or major bugs have been reported for the last releases.



CREAM and lcg-CE statistics

Statistics for 05.04.2011 (Gstat 2.0)

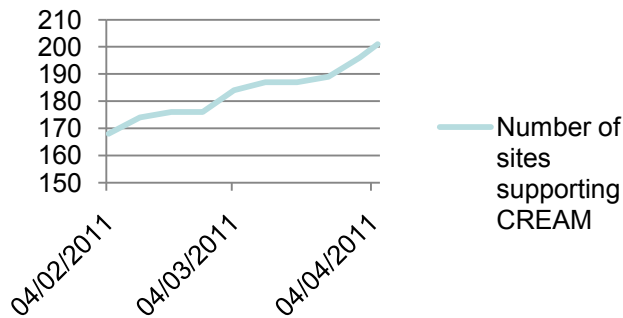
Sites supporting CREAM: 201

Unique CREA CE hosts: 273

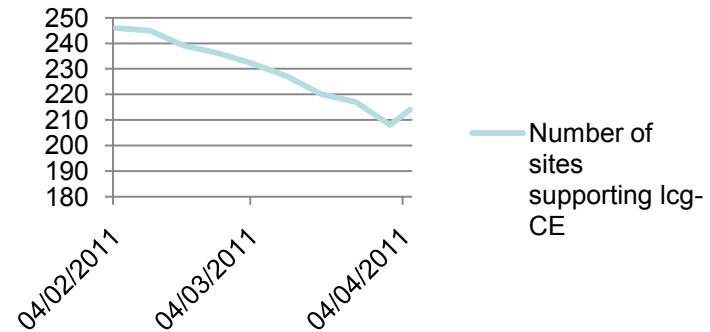
Sites supporting lcg-CE: 214

Unique lcg-CE hosts: 301

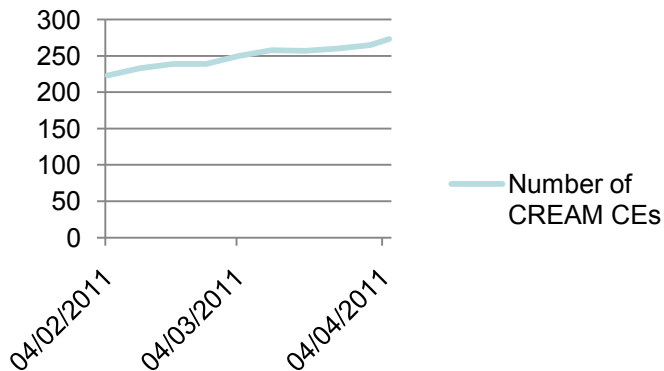
Number of sites supporting CREAM



Number of sites supporting lcg-CE



Number of CREAM CEs



Number of lcg-CEs

