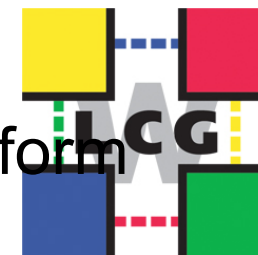


# gLite SL5 clients



# The new platform



- The AA area decided on 30<sup>th</sup> Oct that their new platform would be SL5/gcc4.3.2/Python2.5
  - <http://lcgapp.cern.ch/project/mgmt/AFMinutes20081030.html>
- Consequently compatible client libraries must be made available
  - gLite must continue to support the standard SL5/gcc4.1/Python2.4
  - This might be negotiable in the scope of LCG, EGEE can't
    - In addition services will stay on 4.1
  - Support for gcc3.4 (SL4 reference) needs to be clarified\
    - ALICE position is to run in compatibility mode until all sites are on SL5 (GDB)

# What's involved



- Currently we supply the following to the AA
  - Note the absence of dcache (dcap)
  - Some of this (voms-clients) is to invoke as an executable, not for linking
- glite-AA
  - DPM-client
  - DPM-interfaces
  - lcg-dm-common
  - LFC-client
  - LFC-interfaces
  - GFAL-client
  - lcg\_util
  - CGSI\_gSOAP\_2.6
  - lcg-infosites
  - vdt\_globus\_essentials
  - vdt\_globus\_sdk
  - glite-security-voms-api-c
  - glite-security-voms-clients
  - glite-security-voms-api-cpp
  - myproxy

# Python 2.5

- The following will be provided
  - GFAL-client-py25
  - lcg\_util-py25
  - (LFC-interfaces-py25)
  - Few RPMs to be named.....
- Akos has informally provided this to ATLAS for evaluation
  - <http://egee-jra1-data.web.cern.ch/egee-jra1-data/python25-preview/>



# gcc4.3.2



- With the exception of voms-api-cpp, everything on the list is C (or python).
  - The C ABI has not changed between 4.1 & 4.3
  - No performance benefit from a rebuild
  - So we will supply the gcc 4.1 binaries initially
  - This avoids a VDT rebuild, which involves external partners
    - What about dependencies? Openssl?
- We need to establish whether:
  - anyone is actually linking against voms-api-cpp
    - This requires a re-build
  - Voms runtime stuff (eg voms-proxy-info) can still run properly with the gcc4.3.2 toolchain
  - If there are any other issues with cpp executables run directly in a gcc4.3.2 environment

# If gcc4.3 changes are needed

- We will provide 'evaluation' binaries to ensure everything works
  - Without waiting for ETICS developments
- This will then be merged into our standard release when ETICS support has been introduced
  - It has been understood how this should be done
  - The work has not yet been triggered
    - They have a few other things on their plate

