

Status of GFAL/lcg-util

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9th October 2007*

- **In production**
 - GFAL 1.9.3-1
 - lcg-util 1.5.2-1
- **Upcoming versions**
 - GFAL 1.10.x
 - lcg-util 1.6.x
 - Testing/certifying phase is long due to a lot of changes

- **A lot of bug fixes**
- **Uses gSOAP 2.7.6b instead of 2.6.2**
- **New gfal_* functions for transparent use of SRM functions**
 - gfal_get(status)
 - SRMv1: get, getRequestStatus
 - SRMv2: PrepareToGet, StatusOfGetRequest
 - gfal_prestage(status)
 - SRMv1: not supported
 - *not so transparent, simulate it by “get” ?*
 - SRMv2: BringOnline, StatusOfBringOnlineRequest
 - gfal_pin
 - SRMv1: not supported (?)
 - SRMv2: ExtendFileLifeTime

- gfal_release
 - SRMv1: setFileStatus (done)
 - SRMv2: ReleaseFiles
- gfal_ls
 - SRMv1: getFileMetaData
 - SRMv2: Ls
- **Possibility to not make request to BDII**
- **Possibility to specify the type of SE to use**
 - mandatory when “no_bdii” set
 - else optional
- **Python interface to main functions**

- **New commands**
 - lcg-ls – lists files on LFC or SEs
 - lcg-geturls – same as lcg-gt but on several SURLS
- **Possibility to not make request to BDII**
- **Possibility to specify the type of SE to use**
 - mandatory when “no_bdii” set
 - else optional
- **Python interface to main functions**

- **Short term (1 or 2 months)**
 - gfal_version function to get the version number
- **Mid term (1st quarter 2008)**
 - Renaming of all functions with a specific prefix to avoid clashes with other libraries
 - Extract VO name from proxy if “--vo” option is not specified
 - thread-safe version of GFAL and lcg-util

- **get_ce_ap:**
 - (GlueCESEBindSEUniqueID=<host>)
 - GlueCESEBindCEAccesspoint
- **get_sa_path:**
 - (&(GlueSALocalID=<VO>)(GlueChunkKey=GlueSEUniqueID=<host>))
 - GlueSAPath + GlueSARoot
- **get_se_typeandendpoint (old schema)**
 - (GlueSEUniqueID=<host>)
 - (&(GlueSEUniqueID=<host>)(GlueSEPort=<port>))
 - GlueSEName + GlueSEPort + GlueSchemaVersionMajor

- **get_srm_types_and_endpoints**
 - (&(GlueServiceType=srm*)(GlueServiceEndpoint=*://<host[:port]>*))
 - GlueServiceVersion + GlueServiceType + GlueServiceEndpoint
- **get_seap_info**
 - (&(GlueSEAccessType=*)(GlueChunkKey=GlueSEUniqueID=<host>))
 - GlueSEAccessTypePort + GlueSEAccessType