

# Summary of the most-used gLite commands

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COMMAND with example	USE
<i>Access to grid</i>	
<b>voms-proxy-init</b> --voms gilda	Create proxy with additional credentials as a member of the gilda VO
<b>voms-proxy-destroy</b>	Destroy proxy
<b>voms-proxy-init</b> --all	See proxy information
<i>Workload management</i>	
<b>edg-job-submit</b> -o fileForId.txt hostname.jdl	Submit a job, save its id in a file
<b>edg-job-status</b> <job id> edg-job-status -i fileForId.txt	Check status
<b>edg-job-get-output</b> <job id> edg-job-get-output --dir <outputdir in your UI> \ -i <file> edg-job-get-output --help	Retrieve output
<b>edg-job-cancel</b> <job id>	Cancel a job
<b>edg-job-get-logging-info</b> <jobid>	See the log for a job
<i>Information system</i>	
<b>lcg-infosites --vo gilda ce</b>	List Ces
<b>lcg-infosites --vo gilda se</b>	List SEs
<b>lcg-infosites --vo gilda closeSE</b>	List CE's with "close SEs"
<i>R-GMA</i>	
<b>r-gma</b>	To enter
<b>show tables</b>	
<b>describe</b> <table>	
<b>Help</b>	
<b>Help</b> <command>	
<b>quit or exit</b>	

<b><i>Catalogue access (LFC) and file management (lcg-utils)</i></b>	
<pre> graph LR     LFN1[Logical File Name 1] --&gt; GUID[GUID]     LFNn[Logical File Name n] --&gt; GUID     GUID --&gt; PSURL1[Physical File SURL 1]     GUID --&gt; PSURLn[Physical File SURL n]     PSURL1 --&gt; TURL1[TURL 1]     PSURLn --&gt; TURLn[TURL n] </pre>	<p>LFC=LCG File Catalogue  <b>You do need to specify the VO in the lcg-* commands</b>  lfn: logical file name  GUID: global unique identifier  SE: Storage element</p>
<b>lfc-ls -l /grid/gilda/training/</b>	<b>List a directory</b> in the LFC
<b>lfc-mkdir /grid/gilda/training/taipei/taipei51</b>	<b>Create new directory</b> in LFC /grid/<voname>/....
<b>lfc-ln -s &lt;already exists&gt; &lt;new name&gt;</b>	<b>New lfn</b>
<b>export LFC_HOME=/grid/gilda/training/taipei/taipei51/</b>	<b>Set LFC home directory</b> Avoids repeatedly typing /grid/....
<b>lcg-cr -v --vo gilda file://\$PWD/text_file.txt -l \</b> <b>lfn:myfile.txt -d aliserv6.ct.infn.it</b>  <b>lcg-cr -v -d grid-se.bio.dist.unige.it \</b> <b>-l lfn: /grid/gilda/training/taipei/taipei51/data.txt \</b> <b>--vo gilda file://\$PWD/mydata.txt</b>	<b>Copy a file to a SE and register</b> it into the catalog  Equivalent if \$LFC_HOME is set and I'm in the local directory that holds mydata.txt.
<b>lcp --vo gilda lfn:scripts.tar.gz \</b> <b>file://^pwd`/kc_1.tar.gz</b>	<b>Copy a file</b> from SE to your local directory - uses the LFC to locate the file. (uses \$LFC_HOME)
<b>lcr --vo gilda -d gildase.oact.inaf.it \</b> <b>lfn:/grid/gilda/training/taipei/taipei51/ex3.tar</b>	<b>Create a replica</b> on named SE for a specified lfn
<b>lcr --vo gilda lfn:data.txt</b>	<b>List replicas</b> (by lfn or GUID)

### **Further Information:**

EGEE: <http://www.eu-egee.org>

gLite User Guide <https://edms.cern.ch/file/722398/1.1/gLite-3-UserGuide.html>

gLite Documentation: <http://glite.web.cern.ch/glite/documentation/default.asp>

GILDA Wiki: <https://grid.ct.infn.it/twiki/bin/view/GILDA/WebHome>

EGEE Digital Library: <http://egee.lib.ed.ac.uk/>