

Quality Criteria Verification
Executive Summary
For QCV, Stage Rollout, DMSU and EGI internal

Name of the component	LFC_mysql		
Release	1.8.6	RT Ticket	#5112 #5113
Software Provider	EMI		
Release Contact	Name:	E-Mail	
	Cristina Aiftimiei	cristina.aiftimiei@pd.infn.it	
Validator	Name:	E-Mail	
	Álvaro Simón	asimon@cesga.es	
V. Hours Worked	6		
Component status	Verified	Date	01/04/13
Verification start date	01/04/13	Verification end date	01/04/13

Summary:

No important issues found during verification process. LFC has tested using new SHA2 host certificates.

UMD2 to UMD3 upgrade: users should remove these packages first:

- # yum remove lcgdm-dav lcgdm-dav-libs
- # yum update
- # yum install emi-lfc_<db>

GGUS Tickets:

https://ggus.eu/ws/ticket_info.php?ticket=93001

Summary of Quality Criteria verification:

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
TP				
VLD	11	0	0	11
	Specific Quality Criteria			
TP				
VLD	17	0	0	17

Quality Criteria verification cheatsheet:

Criteria	Accepted (Y/N/N	Tested (TP/VLD)	Comments
DOCUMENTATION QC			
GENERIC_DOC_1 (Functional Description)	Y	VLD	
GENERIC_DOC_2 (Release Notes)	Y	VLD	
GENERIC_DOC_3 (User Documentation)	Y	VLD	
GENERIC_DOC_4 (Online help (man pages))	Y	VLD	
GENERIC_DOC_5 (API Documentation)	Y	VLD	
GENERIC_DOC_6 (Administrator Documentat	Y	VLD	
GENERIC_DOC_7 (Service Reference Card)	Y	VLD	
GENERIC_DOC_8 (Software License)	Y	VLD	
GENERIC_DOC_9 (Release changes testing)	Optional		
SOFTWARE DISTRIBUTION QC			
GENERIC_DIST_1 (Source Code Availability)	Y	VLD	
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	
SOFTWARE FEATURES QC			
GENERIC_SOFT_1 (Backwards Compatibility)	Y	VLD	
GENERIC_SOFT_2 (New features testing)			
SERVICE CRITERIA QC			
GENERIC_SERVICE_1 (Service control and s	Y	VLD	
GENERIC_SERVICE_2 (Log Files)	Y	VLD	
GENERIC_SERVICE_3 (Service Reliability)	Optional		
GENERIC_SERVICE_4 (Service Robustness)	Optional		
GENERIC_SERVICE_5 (Automatic Configurati	Y	VLD	
GENERIC_SERVICE_6 (Default Password Co	Y	VLD	
GENERIC_SERVICE_7 (Default Configuration	Y	VLD	
SECURITY QC			
GENERIC_SEC_1 (World Writable Files)	Y	VLD	
GENERIC_SEC_3 (Passwords in world readab	Y	VLD	
MISCELLANEOUS QC			
GENERIC_MISC_1 (Bug Tracking System)	Y	VLD	
AUTHENTICATION QC			
AUTHN_CRED_1 (X.509 Certificate support)	Y	VLD	
AUTHN_CRED_2 (SHA2 Certificate support)	Y	VLD	
AUTHN_CRED_3 (RFC Proxy support)	Optional		
AUTHN_PROTO_1 (TLSSSLv3 Support)			
AUTHORISATION QC			
AUTHZ_PCYDEF_3 (Ban UserGroup of users	Y	VLD	
AUTHZ_PCYDEF_4 (Allowed users definition)	Y	VLD	
AUTHZ_PEP_2 (User Mapping)	Y	VLD	
METADATA CATALOGUE QC			
METADATA_LFC_API_1 (LFC API)	Y	VLD	
METADATA_LFC_FUNC_1 (Directory Manage	Y	VLD	
METADATA_LFC_FUNC_2 (ACL Operations)	Y	VLD	
METADATA_LFC_FUNC_3 (Entry Comments)	Y	VLD	

Validator comments:

```
# cat EMI.lfc.sl6.x86_64.repo
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) - (4895,833,758)
```

```
[EMI.lfc.sl6.x86_64]
name=EMI.lfc.sl6.x86_64
baseurl=http://admin-repo.egi.eu/sw/unverified/umd-2.emi.lfc.sl6.x86_64/1/8/6/
enabled=1
protect=1
priority=1
gpgcheck=1
gpgkey=http://emisoft.web.cern.ch/emisoft/dist/EMI/2/RPM-GPG-KEY-emi
```

```
# yum install emi-lfc_mysql
```

Dependencies Resolved

```
=====
Package                               Arch                               Version
Repository                             Size
=====
```

Package	Arch	Version	
Installing:			
emi-lfc_mysql	x86_64	1.8.6-1.e16	
EMI.lfc.sl6.x86_64	3.0 k		
Installing for dependencies:			
alsa-lib	x86_64	1.0.22-3.e16	sl
369 k			
apr	x86_64	1.3.9-5.e16_2	sl
122 k			
apr-util	x86_64	1.3.9-3.e16_0.1	sl
86 k			
apr-util-ldap	x86_64	1.3.9-3.e16_0.1	sl
15 k			
at	x86_64	3.1.10-43.e16_2.1	sl
59 k			
atk	x86_64	1.28.0-2.e16	sl
190 k			
audit-libs-python	x86_64	2.2-2.e16	sl
58 k			
avahi-libs	x86_64	0.6.25-11.e16	sl
53 k			
bc	x86_64	1.06.95-1.e16	sl
109 k			
bdii	noarch	5.2.12-1.e16	
EMI.lfc.sl6.x86_64	22 k		
boost-regex	x86_64	1.41.0-11.e16_1.2	sl
474 k			
cairo	x86_64	1.8.8-3.1.e16	sl
308 k			
cdparanoia-libs	x86_64	10.2-5.1.e16	sl
47 k			
cups	x86_64	1:1.4.2-48.e16	sl
2.3 M			
cups-libs	x86_64	1:1.4.2-48.e16	sl
315 k			
cvs	x86_64	1.11.23-11.e16_2.1	sl
711 k			
dbus	x86_64	1:1.2.24-7.e16_3	sl-
security	206 k		
dmlite-libs	x86_64	0.4.2-1.e16	
EMI.lfc.sl6.x86_64	174 k		
dmlite-plugins-adapter	x86_64	0.4.0-1.e16	
EMI.lfc.sl6.x86_64	65 k		
dmlite-plugins-mysql	x86_64	0.4.1-1.e16	
EMI.lfc.sl6.x86_64	65 k		
dpm-libs	x86_64	1.8.6-1.e16	
EMI.lfc.sl6.x86_64	133 k		
ed	x86_64	1.1-3.3.e16	sl
71 k			
edg-mkgridmap	noarch	4.0.0-1	
EMI.lfc.sl6.x86_64	27 k		
emi-version	x86_64	2.6.0-1.sl6	
EMI.lfc.sl6.x86_64	2.2 k		
expect	x86_64	5.44.1.15-4.e16	sl
255 k			
fetch-curl	noarch	3.0.8-1.e16	epel
45 k			
finger	x86_64	0.17-39.e16	sl
21 k			
fontconfig	x86_64	2.8.0-3.e16	sl
185 k			
foomatic	x86_64	4.0.4-1.e16_1.1	sl
250 k			
foomatic-db	noarch	4.0-7.20091126.e16	sl
979 k			
foomatic-db-filesystem	noarch	4.0-7.20091126.e16	sl
3.4 k			
foomatic-db-ppds	noarch	4.0-7.20091126.e16	sl
19 M			
freetype	x86_64	2.3.11-6.e16_2.9	sl
358 k			
gettext	x86_64	0.17-16.e16	sl
1.8 M			
ghostscript	x86_64	8.70-14.e16_3.1	sl-
security	4.4 M		
ghostscript-fonts	noarch	5.50-23.1.e16	sl
749 k			
glite-info-provider-service	noarch	1.9.0-5.e16	
EMI.lfc.sl6.x86_64	61 k		

glite-yaim-bdii		noarch	4.3.11-1.el6	
EMI.lfc.sl6.x86_64	10 k	noarch	5.1.0-1.sl6	
glite-yaim-core		noarch	5.1.0-1.sl6	
EMI.lfc.sl6.x86_64	102 k	x86_64	2.2-1.el6	epel
globus-callout	18 k	x86_64	14.7-1.el6	
globus-common		x86_64	14.7-1.el6	
EMI.lfc.sl6.x86_64	115 k	x86_64	4.3-1.el6	
globus-gsi-callback		x86_64	4.3-1.el6	
EMI.lfc.sl6.x86_64	38 k	x86_64	8.3-1.el6	epel
globus-gsi-cert-utils	20 k	x86_64	8.3-1.el6	
globus-gsi-credential		x86_64	5.3-1.el6	epel
globus-gsi-openssl-error	33 k	x86_64	2.1-2.el6	epel
globus-gsi-proxy-core	17 k	x86_64	6.2-1.el6	epel
globus-gsi-proxy-ssl	33 k	x86_64	4.1-2.el6	epel
globus-gsi-sysconfig	17 k	x86_64	5.3-1.el6	epel
globus-gss-assist	28 k	x86_64	8.6-1.el6	epel
globus-gssapi-gsi	33 k	x86_64	10.7-1.el6	epel
globus-openssl-module	56 k	x86_64	3.2-1.el6	epel
glue-schema	14 k	noarch	2.0.8-2.el6	
EMI.lfc.sl6.x86_64	31 k	x86_64	2.8.5-4.el6_2.2	sl
gnutls		x86_64	1.7.25-1.emi2.el6	
gridsite		x86_64	1.7.25-1.emi2.el6	
EMI.lfc.sl6.x86_64	75 k	x86_64	1.7.25-1.emi2.el6	
gridsite-libs		x86_64	1.7.25-1.emi2.el6	
EMI.lfc.sl6.x86_64	86 k	x86_64	2.7.16-3.el6	epel
gsoap	198 k	x86_64	0.10.29-1.el6	sl
gststreamer	763 k	x86_64	0.10.29-1.el6	sl
gststreamer-plugins-base	942 k	x86_64	0.10.29-1.el6	sl
gststreamer-tools	22 k	x86_64	2.18.9-10.el6	sl
gtk2	3.3 M	noarch	0.11-1.1.el6	sl
hicolor-icon-theme	39 k	x86_64	2.2.15-15.sl6.1	sl
httpd	812 k	x86_64	2.2.15-15.sl6.1	sl
httpd-tools	69 k	noarch	3.16-2.el6	sl
iso-codes	2.4 M	x86_64	1.900.1-15.el6_1.1	sl
jasper-libs	135 k	x86_64	0.10-2.el6	epel
json-c	24 k	x86_64	0.11.0-2.el6	
lcgdm-dav		x86_64	0.11.0-2.el6	
EMI.lfc.sl6.x86_64	16 k	x86_64	0.11.0-2.el6	
lcgdm-dav-libs		x86_64	0.11.0-2.el6	
EMI.lfc.sl6.x86_64	34 k	x86_64	1.8.6-1.el6	
lcgdm-dav-server		x86_64	1.8.6-1.el6	
EMI.lfc.sl6.x86_64	74 k	x86_64	1.8.6-1.el6	
lcgdm-devel		x86_64	1.8.6-1.el6	
EMI.lfc.sl6.x86_64	44 k	x86_64	1.19-1.el6	sl
lcgdm-libs		x86_64	1.19-1.el6	
EMI.lfc.sl6.x86_64	91 k	x86_64	1.8.6-1.el6	
lcms-libs	99 k	x86_64	1.8.6-1.el6	
lfc		x86_64	1.8.6-1.el6	
EMI.lfc.sl6.x86_64	98 k	x86_64	1.8.6-1.el6	
lfc-devel		x86_64	1.8.6-1.el6	
EMI.lfc.sl6.x86_64	134 k	x86_64	1.8.6-1.el6	
lfc-dli		x86_64	1.8.6-1.el6	
EMI.lfc.sl6.x86_64	27 k	x86_64	1.8.6-1.el6	
lfc-libs		x86_64	1.8.6-1.el6	
EMI.lfc.sl6.x86_64	38 k	x86_64	1.8.6-1.el6	
lfc-perl		x86_64	1.8.6-1.el6	
EMI.lfc.sl6.x86_64	124 k	x86_64	1.8.6-1.el6	
lfc-python		x86_64	1.8.6-1.el6	
EMI.lfc.sl6.x86_64	243 k	x86_64	1.8.6-1.el6	
lfc-server-mysql		x86_64	4.2.6-1.el6	
EMI.lfc.sl6.x86_64	125 k	noarch	4.2.6-1.el6	
lfc-yaim		x86_64	1.0.6-1.el6	sl
EMI.lfc.sl6.x86_64	18 k	x86_64	1.1.0-7.1.el6	sl
libICE	52 k	x86_64	1.3-2.el6	sl
libSM	25 k	noarch	1.3-2.el6	sl
libX11	581 k	x86_64	1.0.5-1.el6	sl
libX11-common	187 k	x86_64	0.4.1-2.el6	sl
libXau	21 k	x86_64	1.1.10-2.el6	sl
libXcomposite	16 k	x86_64	1.1.2-1.el6	sl
libXcursor	31 k	x86_64	1.1.2-1.el6	sl
libXdamage	15 k	x86_64	1.1-3.el6	sl
libXext	32 k	x86_64	4.0.4-1.el6	sl
libXfixes	19 k	x86_64		

libXfont		x86_64	1.4.1-2.el6_1	sl
127 k				
libXft		x86_64	2.1.13-4.1.el6	sl
48 k				
libXi		x86_64	1.3-3.el6	sl
31 k				
libXinerama		x86_64	1.1-1.el6	sl
14 k				
libXrandr		x86_64	1.3.0-4.el6	sl
29 k				
libXrender		x86_64	0.9.5-1.el6	sl
26 k				
libXt		x86_64	1.0.7-1.el6	sl
173 k				
libXtst		x86_64	1.0.99.2-3.el6	sl
21 k				
libXv		x86_64	1.0.5-1.el6	sl
20 k				
libXxf86vm		x86_64	1.1.0-1.el6	sl
18 k				
libfontenc		x86_64	1.0.5-2.el6	sl
24 k				
libgomp		x86_64	4.4.6-4.el6	sl
116 k				
libgudev1		x86_64	147-2.41.el6	sl
58 k				
libicu		x86_64	4.2.1-9.1.el6_2	sl
4.9 M				
libjpeg		x86_64	6b-46.el6	sl
133 k				
libmng		x86_64	1.0.10-4.1.el6	sl
164 k				
libogg		x86_64	2:1.1.4-2.1.el6	sl
20 k				
liboil		x86_64	0.3.16-4.1.el6	sl
120 k				
libpng		x86_64	2:1.2.49-1.el6_2	sl
181 k				
libselinux-python		x86_64	2.0.94-5.3.el6	sl
201 k				
libsemanage-python		x86_64	2.0.43-4.1.el6	sl
80 k				
libtasn1		x86_64	2.3-3.el6_2.1	sl
237 k				
libthai		x86_64	0.1.12-3.el6	sl
182 k				
libtheora		x86_64	1:1.1.0-2.el6	sl
128 k				
libtiff		x86_64	3.9.4-9.el6_3	sl-
security	341 k			
libtool-ltdl		x86_64	2.2.6-15.5.el6	sl
43 k				
libudev		x86_64	147-2.41.el6	sl
74 k				
libvisual		x86_64	0.4.0-9.1.el6	sl
134 k				
libvorbis		x86_64	1:1.2.3-4.el6_2.1	sl
167 k				
libxcb		x86_64	1.5-1.el6	sl
99 k				
mailcap		noarch	2.1.31-2.el6	sl
26 k				
make		x86_64	1:3.81-20.el6	sl
388 k				
mesa-dri-drivers		x86_64	7.11-5.el6	sl
11 M				
mesa-libGL		x86_64	7.11-5.el6	sl
144 k				
mesa-libGLU		x86_64	7.11-5.el6	sl
200 k				
mod_ssl		x86_64	1:2.2.15-15.sl6.1	sl
86 k				
mysql		x86_64	5.1.66-2.el6_3	sl-
security	884 k			
openjpeg-libs		x86_64	1.3-9.el6_3	sl-
security	58 k			
openldap-clients		x86_64	2.4.23-26.el6_3.2	sl-
security	163 k			
openldap-servers		x86_64	2.4.23-26.el6_3.2	sl-
security	2.0 M			
pango		x86_64	1.28.1-3.el6_0.5	sl
350 k				
patch		x86_64	2.6-6.el6	sl
90 k				
pax		x86_64	3.4-10.1.el6	sl
68 k				
perl		x86_64	4:5.10.1-127.el6	sl
10 M				
perl-Authen-SASL		noarch	2.13-2.el6	sl
50 k				
perl-CGI		x86_64	3.51-127.el6	sl
206 k				
perl-Compress-Raw-Zlib		x86_64	1:2.020-127.el6	sl
67 k				
perl-Compress-Zlib		x86_64	2.020-127.el6	sl
42 k				
perl-Convert-ASN1		noarch	0.22-1.el6	sl
42 k				
perl-Crypt-SSLeay		x86_64	0.57-16.el6	sl
138 k				
perl-DBI		x86_64	1.609-4.el6	sl
704 k				
perl-Date-Manip		noarch	6.24-1.el6	sl
1.3 M				
perl-Digest-HMAC		noarch	1.01-22.el6	sl
21 k				

perl-Digest-SHA1	x86_64	2.12-2.e16	sl
48 k			
perl-ExtUtils-MakeMaker	x86_64	6.55-127.e16	sl
290 k			
perl-ExtUtils-ParseXS	x86_64	1:2.2003.0-127.e16	sl
42 k			
perl-GSSAPI	x86_64	0.26-5.e16	sl
63 k			
perl-HTML-Parser	x86_64	3.64-2.e16	sl
108 k			
perl-HTML-Tagset	noarch	3.20-4.e16	sl
15 k			
perl-IO-Compress-Base	x86_64	2.020-127.e16	sl
66 k			
perl-IO-Compress-Zlib	x86_64	2.020-127.e16	sl
133 k			
perl-IO-Socket-SSL	noarch	1.31-2.e16	sl
68 k			
perl-LDAP	noarch	1:0.40-1.e16	sl
353 k			
perl-Module-Pluggable	x86_64	1:3.90-127.e16	sl
37 k			
perl-Net-LibIDN	x86_64	0.12-3.e16	sl
34 k			
perl-Net-SSLeay	x86_64	1.35-9.e16	sl
172 k			
perl-Pod-Escapes	x86_64	1:1.04-127.e16	sl
30 k			
perl-Pod-Simple	x86_64	1:3.13-127.e16	sl
209 k			
perl-TermReadKey	x86_64	2.30-13.e16	sl
30 k			
perl-Test-Harness	x86_64	3.17-127.e16	sl
229 k			
perl-Test-Simple	x86_64	0.92-127.e16	sl
110 k			
perl-Text-Iconv	x86_64	1.7-6.e16	sl
21 k			
perl-URI	noarch	1.40-2.e16	sl
116 k			
perl-XML-DOM	noarch	1.44-7.e16	sl
135 k			
perl-XML-Filter-BufferText	noarch	1.01-8.e16	sl
8.5 k			
perl-XML-LibXML	x86_64	1:1.70-5.e16	sl
363 k			
perl-XML-Namespacesupport	noarch	1.10-3.e16	sl
16 k			
perl-XML-Parser	x86_64	2.36-7.e16	sl
223 k			
perl-XML-RegExp	noarch	0.03-7.e16	sl
8.8 k			
perl-XML-SAX	noarch	0.96-7.e16	sl
77 k			
perl-XML-SAX-Writer	noarch	0.50-8.e16	sl
23 k			
perl-YAML-Syck	x86_64	1.07-4.e16	sl
74 k			
perl-devel	x86_64	4:5.10.1-127.e16	sl
420 k			
perl-libs	x86_64	4:5.10.1-127.e16	sl
575 k			
perl-libwww-perl	noarch	5.833-2.e16	sl
386 k			
perl-version	x86_64	3:0.77-127.e16	sl
48 k			
phonon-backend-gstreamer	x86_64	1:4.6.2-24.e16	sl
125 k			
pixman	x86_64	0.18.4-1.e16_0.1	sl
146 k			
pkgconfig	x86_64	1:0.23-9.1.e16	sl
69 k			
policycoreutils-python	x86_64	2.0.83-19.24.e16	sl
339 k			
poppler	x86_64	0.12.4-3.e16_0.1	sl
556 k			
poppler-data	noarch	0.4.0-1.e16	sl
2.2 M			
poppler-utils	x86_64	0.12.4-3.e16_0.1	sl
72 k			
portreserve	x86_64	0.0.4-9.e16	sl
22 k			
qt	x86_64	1:4.6.2-24.e16	sl
4.0 M			
qt-sqlite	x86_64	1:4.6.2-24.e16	sl
50 k			
qt-x11	x86_64	1:4.6.2-24.e16	sl
12 M			
qt3	x86_64	3.3.8b-30.e16	sl
3.5 M			
redhat-lsb	x86_64	4.0-3.e16	sl
23 k			
redhat-lsb-graphics	x86_64	4.0-3.e16	sl
11 k			
redhat-lsb-printing	x86_64	4.0-3.e16	sl
9.6 k			
setools-libs	x86_64	3.3.7-4.e16	sl
399 k			
setools-libs-python	x86_64	3.3.7-4.e16	sl
221 k			
tcl	x86_64	1:8.5.7-6.e16	sl
1.9 M			
time	x86_64	1.7-37.1.e16	sl
25 k			
tmpwatch	x86_64	2.9.16-4.e16	sl
30 k			

```

urw-fonts                                noarch                2.4-10.el6                sl
3.0 M
voms                                      x86_64                2.0.9-1.el6
EMI.lfc.sl6.x86_64                        136 k
xml-common                                noarch                0.6.3-32.el6                sl
8.4 k
_xorg-x11-font-utils                      x86_64                1:7.2-11.el6                sl
74 k

```

Transaction Summary

```

=====
Install      201 Package(s)
=====

```

```
# yum install mysql-server
```

```
# /opt/glite/yaim/bin/yaim -c -s site-info.def -n emi_lfc_mysql
```

```
# ldapsearch -x -H ldap://test09.egi.cesga.es:2170 -b o=grid
# extended LDIF
```

```
#
# LDAPv3
# base <o=grid> with scope subtree
# filter: (objectclass=*)
# requesting: ALL
#
```

```
# grid
dn: o=grid
objectClass: organization
o: grid
```

```
# local, grid
dn: Mds-Vo-name=local,o=grid
Mds-Vo-name: local
objectClass: Mds
```

```
# resource, grid
dn: Mds-Vo-name=resource,o=grid
Mds-Vo-name: resource
objectClass: Mds
```

```
# test09.egi.cesga.es, resource, grid
dn: GlueServiceUniqueID=test09.egi.cesga.es,Mds-Vo-name=resource,o=grid
GlueServiceAccessControlBaseRule: VO:ops.vo.ibergrid.eu
GlueServiceAccessControlBaseRule: VO:iber.vo.ibergrid.eu
GlueServiceStatus: OK
GlueServiceStatusInfo: No Problems
objectClass: GlueTop
objectClass: GlueService
GlueServiceUniqueID: test09.egi.cesga.es
GlueServiceAccessControlRule: ops.vo.ibergrid.eu
GlueServiceAccessControlRule: iber.vo.ibergrid.eu
GlueServiceEndpoint: test09.egi.cesga.es
GlueServiceVersion: 1.8.6
GlueServiceName: UMD-VERIFICATION-lfc
GlueServiceType: lcg-file-catalog
GlueServiceWSDL: unset
...
```

```
$ export LFC_HOST=test09.egi.cesga.es
$ lfc-ls -l /grid/
drwxrwxr-x 0 root 102 0 Feb 01 15:11 dteam
drwxrwxr-x 0 root 104 0 Feb 01 15:11 iber.vo.ibergrid.eu
drwxrwxr-x 0 root 101 0 Feb 01 15:11 ops
drwxrwxr-x 0 root 103 0 Feb 01 15:11 ops.vo.ibergrid.eu
```

```
$ export LFC_HOME=/grid/ops
```

```
$ lfc-ls -l
$ lfc-mkdir asimon
$ lfc-ls -l
drwxrwxr-x 0 101 101 0 Feb 01 15:16 asimon
```

```
$ lfc-setacl -m d::u::7,d:g::7,d:o:5 asimon
```

```
$ lfc-getacl asimon
# file: asimon
# owner: /DC=es/DC=irisgrid/O=cesga/CN=alvarosimon
# group: ops
user::rwx
group::rwx #effective:rwx
other::r-x
default:user::rwx
default:group::rwx
default:other::r-x
```

```
$ export LCG_GFAL_INFOSYS=test08.egi.cesga.es:2170
```

```
$ lcg-cr -d test08.egi.cesga.es --vo ops -l lfn:asimon/oneone file:/home/asimon/test.sh
guid:c9ab8c7d-4a97-417b-a50c-67e3c6227338
```

```
$ lfc-ls -l asimon
-rw-rw-r-- 1 101 101 122 Feb 01 15:19 oneone
```

```
$ lcg-cr -d test08.egi.cesga.es --vo ops -l lfn:asimon/two file:/home/asimon/test.sh
guid:e318c22d-0516-46f6-b1cc-92ac4a1dc900
```

```
$ lfc-ls -l asimon
-rw-rw-r-- 1 101 101 122 Feb 01 15:19 oneone
-rw-rw-r-- 1 101 101 122 Feb 01 15:23 two
```

```
$ lcg-lr --vo ops lfn:asimon/oneone
srm://test08.egi.cesga.es/dpm/egi.cesga.es/home/ops/generated/2013-02-01/file6f4759e5-dc8b-4058-a8d1-0956a7f469a0
```

```
$ lcg-cp --vo ops lfn:asimon/two file://$PWD/test2.out
```



```
$ ls -ltr test2.out
-rw-rw-r-- 1 asimon asimon 122 Feb  1 15:24 test2.out

$ lfc-setcomment asimon/oneone 'this is a comment example for verification process. Hello world!!!'
$ lfc-ls --comment asimon
oneone this is a comment example for verification process. Hello world!!!
two

$ lfc-chmod 700 asimon/oneone
$ lfc-ls -l asimon
-rwx----- 1 101      101                122 Feb 01 15:19 oneone
-rw-rw-r--  1 101      101                122 Feb 01 15:23 two
```

Not applicable Quality Criteria

Specific Functional Tests to be repeated in SR:

Test number	Description	Motivation

Specific Non-functional tests (Scalability, etc...) to be repeated in SR:

Test number	Description	Motivation

Comments for UMD QC definition (TSA2.2):

- Review criteria xxxx
- Add criteria xxxx

Comments for SR (TSA1.3):

UMD2 to UMD3 upgrade: users should remove these packages first:

- # yum remove lcgdm-dav lcgdm-dav-libs
- # yum update
- # yum install emi-lfc_<db>

Comments for DMSU (TSA2.5):

Comments for TP: