

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

Name of the component	LFC SL6		
Release	1.8.3	RT Ticket	#3901
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	7h		
Component status	<b>Verified</b>	Date	20/06/12
Verification start date	20/06/12	Verification end date	20/06/12

**Summary:**  
**No issues found during verification process.**

**GGUS Tickets:**  
**None**

**Summary of Quality Criteria verification:**

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
<b>TP</b>				
<b>VLD</b>	18	0	0	18
	Specific Quality Criteria			
<b>TP</b>				
<b>VLD</b>	13	0	0	13

## Quality Criteria verification cheatsheet:

Criteria	Accepted (Y/N/N)	Tested (TP/VLD)	Comments
<b>DOCUMENTATION QC</b>			
GENERIC_DOC_1 (Functional Description)	Y	VLD	<a href="https://twiki.cern.ch/twiki/bin/view/EMI/EMI2Final#LFC_v_1_8_3_task_23336">https://twiki.cern.ch/twiki/bin/view/EMI/EMI2Final#LFC_v_1_8_3_task_23336</a>
GENERIC_DOC_2 (Release Notes)	Y	VLD	<a href="https://twiki.cern.ch/twiki/bin/view/EMI/EMI2Final#LFC_v_1_8_3_task_23336">https://twiki.cern.ch/twiki/bin/view/EMI/EMI2Final#LFC_v_1_8_3_task_23336</a>
GENERIC_DOC_3 (User Documentation)	Y	VLD	<a href="https://twiki.cern.ch/twiki/bin/view/EMI/EMI2Final#LFC_v_1_8_3_task_23336">https://twiki.cern.ch/twiki/bin/view/EMI/EMI2Final#LFC_v_1_8_3_task_23336</a>
GENERIC_DOC_4 (Online help (man pages))	Optional		
GENERIC_DOC_5 (API Documentation)	Optional		
GENERIC_DOC_6 (Administrator Documentation)	Y	VLD	<a href="https://twiki.cern.ch/twiki/bin/view/EMI/EMI2Final#LFC_v_1_8_3_task_23336">https://twiki.cern.ch/twiki/bin/view/EMI/EMI2Final#LFC_v_1_8_3_task_23336</a>
GENERIC_DOC_7 (Service Reference Card)	Y	VLD	<a href="https://twiki.cern.ch/twiki/bin/view/EMI/EMI2Final#LFC_v_1_8_3_task_23336">https://twiki.cern.ch/twiki/bin/view/EMI/EMI2Final#LFC_v_1_8_3_task_23336</a>
GENERIC_DOC_8 (Software License)	Y	VLD	
GENERIC_DOC_9 (Release changes testing)	Y	VLD	
<b>SOFTWARE DISTRIBUTION QC</b>			
GENERIC_DIST_1 (Source Code Availability)	Y	VLD	
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	
<b>SOFTWARE FEATURES QC</b>			
GENERIC_SOFT_1 (Backwards Compatibility)			
GENERIC_SOFT_2 (New features testing)			
<b>SERVICE CRITERIA QC</b>			
GENERIC_SERVICE_1 (Service control and status)	Y	VLD	
GENERIC_SERVICE_2 (Log Files)	Y	VLD	
GENERIC_SERVICE_3 (Service Reliability)	Y	VLD	
GENERIC_SERVICE_4 (Service Robustness)	Y	VLD	
GENERIC_SERVICE_5 (Automatic Configuration)	Y	VLD	
GENERIC_SERVICE_6 (Default Password Configuration)	Y	VLD	
<b>SECURITY QC</b>			
GENERIC_SEC_1 (World Writable Files)	Y	VLD	
GENERIC_SEC_3 (Passwords in world readable files)	Y	VLD	
<b>MISCELLANEOUS QC</b>			
GENERIC_MISC_2 (Bug Tracking System)	Y	VLD	
<b>AUTHENTICATION QC</b>			
AUTHN_IFACE_1 (X.509 Certificate support)	Y	VLD	
<b>AUTHORISATION QC</b>			
AUTHZ_PCYDEF_3 (Ban User/FQAN)	Y	VLD	
AUTHZ_PCYDEF_4 (Allowed users definition)	Y	VLD	
AUTHZ_PEP_1 (Policy Enforcement)	Y	VLD	
AUTHZ_PEP_2 (User Mapping)	Y	VLD	
<b>METADATA CATALOGUE QC</b>			
METADATA_LFC_API_1 (LFC API)	Y	VLD	
METADATA_LFC_FUNC_1 (Directory Management)	Y	VLD	
METADATA_LFC_FUNC_2 (ACLOperations)	Y	VLD	
METADATA_LFC_FUNC_3 (Entry Comments)	Y	VLD	
METADATA_LFC_FUNC_4 (User/Group Map Management)	Y	VLD	
METADATA_LFC_FUNC_5 (Entry Management)	Y	VLD	
<b>MONITORING PROBES QC</b>			
MON_PROBE_GENERIC_1 (Certificate Lifetime Probe)	Optional		
MON_PROBE_GENERIC_2 (Service Probe)	Optional		
MON_PROBE_METADATA_1 (LFC Probes)	Y	VLD	
<b>CLIENT TOOLS QC</b>			

## Validator comments:

LFC\_SL6 EMI2  
=====

\* Installation

```
# cat EMI.lfc.sl6.x86_64.repo
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) - (3901,558,485)

[EMI.lfc.sl6.x86_64]
name=EMI.lfc.sl6.x86_64
baseurl=http://admin-repo.egi.eu/sw/unverified/emi.lfc.sl6.x86_64/1/8/3/
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
=====
Package                                         Arch          Version
Repository                                     Size
=====
Installing:
  emi-lfc_mysql                                x86_64        1.8.3.1-1.el6
  EMI.lfc.sl6.x86_64                            2.6 k
Installing for dependencies:
  alsa-lib                                       x86_64        1.0.22-3.el6
  sl                                             369 k
  apr                                           x86_64        1.3.9-3.el6_1.2
  sl                                             122 k
  apr-util                                      x86_64        1.3.9-3.el6_0.1
  sl                                             86 k
  apr-util-ldap                                x86_64        1.3.9-3.el6_0.1
  sl                                             15 k
  at                                            x86_64        3.1.10-43.el6
  sl                                             59 k
 atk                                           x86_64        1.28.0-2.el6
  sl                                             190 k
  audit-libs-python                            x86_64        2.1.3-3.el6
  sl                                             57 k
  avahi-libs                                    x86_64        0.6.25-11.el6
  sl                                             53 k
  bc                                            x86_64        1.06.95-1.el6
  sl                                             109 k
  bdii                                         noarch       5.2.10-1.el6
  EMI.lfc.sl6.x86_64                            22 k
  cairo                                         x86_64        1.8.8-3.1.el6
  sl                                             308 k
  cdparanoia-libs                            x86_64        10.2-5.1.el6
  sl                                             47 k
  cups                                          x86_64        1:1.4.2-44.el6
  sl                                             2.3 M
  cups-libs                                     x86_64        1:1.4.2-44.el6
  sl                                             314 k
  cvs                                           x86_64        1.11.23-11.el6_2.1
  sl-security                                    x86_64        1:1.2.24-5.el6_1
  dbus                                         x86_64
  sl                                             206 k
  dpm-libs                                      x86_64        1.8.3.1-1.el6
  EMI.lfc.sl6.x86_64                            133 k
  ed                                            x86_64        1.1-3.3.el6
  sl                                             71 k
  edg-mkgridmap                               noarch       4.0.0-1
  EMI.lfc.sl6.x86_64                            27 k
  expect                                         x86_64        5.44.1.15-2.el6
  sl                                             255 k
  fetch-crl                                    noarch       3.0.8-1.el6
  epel                                         x86_64
  file                                         x86_64        5.04-11.el6
  sl                                             44 k
  fontconfig                                   x86_64
  sl                                             185 k
  foomatic                                     x86_64        4.0.4-1.el6_1.1
  sl                                             250 k
  foomatic-db                                  noarch       4.0-7.20091126.el6
  sl                                             979 k
  foomatic-db-filesystem                      noarch       4.0-7.20091126.el6
  sl                                             3.4 k
  foomatic-db-ppds                            noarch       4.0-7.20091126.el6
  sl                                             19 M
  freetype                                      x86_64        2.3.11-6.el6_2.9
  sl-security                                    x86_64        0.17-16.el6
  gettext                                         x86_64
  sl                                             1.8 M
  ghostscript                                   x86_64        8.70-11.el6_2.6
  sl-security                                    noarch       5.50-23.1.el6
  ghostscript-fonts                           noarch
  sl                                             749 k
  glite-yaim-bdii                             noarch       4.3.9-1.el6
  EMI.lfc.sl6.x86_64                            11 k
```

glite-yaim-core		noarch	5.1.0-1.el6
EMI.lfc.sl6.x86_64	102 k	x86_64	2.1-2.el6
globus-callout	17 k	x86_64	14.5-4.el6
epel	115 k	x86_64	4.1-2.el6
globus-common	38 k	x86_64	8.1-2.el6
epel	19 k	x86_64	5.1-2.el6
globus-gsi-callback	33 k	x86_64	2.1-2.el6
epel	17 k	x86_64	6.1-2.el6
globus-gsi-cert-utils	33 k	x86_64	4.1-2.el6
epel	28 k	x86_64	5.1-2.el6
globus-gsi-credential	14 k	x86_64	3.1-2.el6
epel	32 k	x86_64	10.2-2.el6
globus-gsi-openssl-error	52 k	x86_64	2.7.21-2.el6
epel	14 k	x86_64	2.0.8-1.el6
globus-gsi-proxy-core	31 k	x86_64	2.8.5-4.el6_2.2
epel	341 k	x86_64	1.7.21-2.el6
globus-gsi-proxy-ssl	59 k	x86_64	1.7.21-2.el6
epel	87 k	x86_64	2.7.16-3.el6
globus-gss-assist	198 k	x86_64	0.10.29-1.el6
epel	763 k	x86_64	0.10.29-1.el6
gridsite-apache	942 k	x86_64	0.10.29-1.el6
EMI.lfc.sl6.x86_64	22 k	x86_64	2.18.9-6.el6
gridsite-libs	3.3 M	noarch	0.11-1.1.el6
EMI.lfc.sl6.x86_64	39 k	x86_64	2.2.15-15.sl6.1
gsoap	812 k	x86_64	2.2.15-15.sl6.1
epel	69 k	x86_64	3.16-2.el6
gstreamer	2.4 M	noarch	1.900.1-15.el6_1.1
sl	135 k	x86_64	0.9-1.el6
gstreamer-plugins-base	20 k	x86_64	0.8.0-1.el6
sl	16 k	x86_64	0.8.0-1.el6
gstreamer-tools	99 k	x86_64	1.19-1.el6
sl	34 k	x86_64	0.8.0-1.el6
gtk2	67 k	x86_64	1.8.3.1-1.el6
sl	43 k	x86_64	1.8.3.1-1.el6
hicolor-icon-theme	2.4 M	x86_64	1.8.3.1-1.el6
sl	89 k	x86_64	1.8.3.1-1.el6
httpd	39 k	x86_64	1.8.3.1-1.el6
sl-security	132 k	x86_64	1.8.3.1-1.el6
httpd-tools	26 k	x86_64	1.8.3.1-1.el6
sl-security	38 k	x86_64	1.8.3.1-1.el6
iso-codes	123 k	x86_64	1.8.3.1-1.el6
sl	242 k	x86_64	1.8.3.1-1.el6
jasper-libs	105 k	x86_64	4.2.4-1.el6
sl-security	17 k	x86_64	1.0.6-1.el6
json-c	52 k	x86_64	1.1.0-7.1.el6
epel	25 k	x86_64	1.3-2.el6
lcgdm-dav	581 k	noarch	1.3-2.el6
EMI.lfc.sl6.x86_64	187 k	x86_64	1.0.5-1.el6
lcgdm-dav-libs	21 k	x86_64	0.4.1-2.el6
EMI.lfc.sl6.x86_64	16 k	x86_64	1.1.10-2.el6
lcgdm-dav-server	31 k	x86_64	1.1.2-1.el6
EMI.lfc.sl6.x86_64	15 k	x86_64	1.1-3.el6
lcgdm-devel	32 k	x86_64	
EMI.lfc.sl6.x86_64			
lcgdm-libs			
EMI.lfc.sl6.x86_64			
lcms-libs			
sl			
lfc			
EMI.lfc.sl6.x86_64			
lfc-devel			
EMI.lfc.sl6.x86_64			
lfc-dli			
EMI.lfc.sl6.x86_64			
lfc-libs			
EMI.lfc.sl6.x86_64			
lfc-perl			
EMI.lfc.sl6.x86_64			
lfc-python			
EMI.lfc.sl6.x86_64			
lfc-server-mysql			
EMI.lfc.sl6.x86_64			
lfc-yaim			
EMI.lfc.sl6.x86_64			
libICE			
sl			
libSM			
sl			
libX11			
sl			
libX11-common			
sl			
libXau			
sl			
libXcomposite			
sl			
libXcursor			
sl			
libXdamage			
sl			
libXext			
sl			

libXfixes		x86_64	4.0.4-1.el6
sl	19 k	x86_64	1.4.1-2.el6_1
libXfont	127 k	x86_64	2.1.13-4.1.el6
sl	48 k	x86_64	1.3-3.el6
libXft	31 k	x86_64	1.1-1.el6
sl	14 k	x86_64	1.3.0-4.el6
libXi	29 k	x86_64	0.9.5-1.el6
sl	26 k	x86_64	1.0.7-1.el6
libXinerama	173 k	x86_64	1.0.99.2-3.el6
sl	21 k	x86_64	1.0.5-1.el6
libXrandr	20 k	x86_64	1.1.0-1.el6
sl	18 k	x86_64	1.0.5-2.el6
libXrender	24 k	x86_64	4.4.6-3.el6
sl	114 k	x86_64	147-2.40.el6
libXt	58 k	x86_64	6b-46.el6
sl	133 k	x86_64	1.0.10-4.1.el6
libXtst	164 k	x86_64	2:1.1.4-2.1.el6
sl	20 k	x86_64	0.3.16-4.1.el6
libXv	120 k	x86_64	2:1.2.49-1.el6_2
sl	181 k	x86_64	2.0.94-5.2.el6
libXxf86vm	181 k	x86_64	2.0.43-4.1.el6
sl	201 k	x86_64	2.3-3.el6_2.1
libfontenc	80 k	x86_64	0.1.12-3.el6
sl	237 k	x86_64	1:1.1.0-2.el6
libgomp	182 k	x86_64	3.9.4-5.el6_2
sl	128 k	x86_64	2.2.6-15.5.el6
libgudev1	340 k	x86_64	147-2.40.el6
sl	43 k	x86_64	0.4.0-9.1.el6
libjpeg	74 k	x86_64	1:1.2.3-4.el6_2.1
sl	134 k	x86_64	1.5-1.el6
libmng	167 k	x86_64	2.1.31-2.el6
sl	99 k	noarch	1:3.81-19.el6
libogg	26 k	x86_64	7.11-3.el6
sl	388 k	x86_64	7.11-3.el6
liboil	11 M	x86_64	7.11-3.el6
sl	144 k	x86_64	200 k
libpng	86 k	x86_64	x86_64
sl-security	881 k	x86_64	1:2.2.15-15.el6.1
libselinux-python	58 k	x86_64	5.1.61-1.el6_2.1
sl	160 k	x86_64	1.3-7.el6
libsemanage-python	160 k	x86_64	2.4.23-20.el6
sl	2.0 M	x86_64	2.4.23-20.el6
libtasn1	350 k	x86_64	1.28.1-3.el6_0.5
sl-security	90 k	x86_64	2.6-6.el6
libthai	68 k	x86_64	3.4-10.1.el6
sl	160 k	x86_64	4:5.10.1-
libtheora	50 k	x86_64	10 M
sl	205 k	x86_64	2.13-2.el6
libtiff	66 k	x86_64	3.51-119.el6_1.1
sl-security	42 k	x86_64	2.023-119.el6_1.1
libtool-ltdl	42 k	x86_64	2.020-119.el6_1.1
sl	138 k	noarch	0.22-1.el6
libudev	138 k	x86_64	0.57-16.el6
sl	1.3 M	noarch	6.24-1.el6

perl-Digest-HMAC		noarch	1.01-22.el6
sl	21 k	x86_64	2.12-2.el6
perl-Digest-SHA1	48 k	x86_64	6.55-119.el6_1.1
sl	perl-ExtUtils-MakeMaker	289 k	1:2.2003.0-
sl	perl-ExtUtils-ParseXS	x86_64	41 k
119.el6_1.1	perl-GSSAPI	x86_64	0.26-5.el6
sl	perl-HTML-Parser	63 k	3.64-2.el6
sl	perl-HTML-Tagset	108 k	3.20-4.el6
sl	perl-IO-Compress-Base	15 k	2.020-119.el6_1.1
sl	perl-IO-Compress-Zlib	65 k	2.020-119.el6_1.1
sl	perl-IO-Socket-SSL	132 k	1.31-2.el6
sl	perl-LDAP	68 k	1:0.40-1.el6
sl	perl-Module-Pluggable	353 k	1:3.90-119.el6_1.1
sl	perl-Net-LibIDN	36 k	0.12-3.el6
sl	perl-Net-SSLeay	34 k	1.35-9.el6
sl	perl-Pod-Escapes	172 k	1:1.04-119.el6_1.1
sl	perl-Pod-Simple	29 k	1:3.13-119.el6_1.1
sl	perl-TermReadKey	208 k	2.30-13.el6
sl	perl-Test-Harness	30 k	3.17-119.el6_1.1
sl	perl-Test-Simple	228 k	0.92-119.el6_1.1
sl	perl-Text-Iconv	109 k	1.7-6.el6
sl	perl-URI	21 k	1.40-2.el6
sl	perl-XML-DOM	116 k	1.44-7.el6
sl	perl-XML-Filter-BufferText	135 k	1.01-8.el6
sl	perl-XML-LibXML	8.5 k	1:1.70-5.el6
sl	perl-XML-NamespaceSupport	363 k	1.10-3.el6
sl	perl-XML-Parser	16 k	2.36-7.el6
sl	perl-XML-RegExp	223 k	0.03-7.el6
sl	perl-XML-SAX	8.8 k	0.96-7.el6
sl	perl-XML-SAX-Writer	77 k	0.50-8.el6
sl	perl-YAML-Syck	23 k	1.07-4.el6
sl	perl-devel	74 k	
119.el6_1.1	perl-libs	x86_64	4:5.10.1-
perl-libwww-perl	sl	x86_64	419 k
sl	perl-version	noarch	4:5.10.1-
sl	phonon-backend-gstreamer	386 k	574 k
sl	pixman	x86_64	5.833-2.el6
sl	pkgconfig	x86_64	3:0.77-119.el6_1.1
sl	policycoreutils-python	48 k	1:4.6.2-20.el6
sl	poppler	125 k	0.18.4-1.el6_0.1
sl	poppler-data	146 k	1:0.23-9.1.el6
sl	poppler-utils	69 k	2.0.83-19.18.el6
sl	portreserve	336 k	0.12.4-3.el6_0.1
sl	qt	556 k	0.4.0-1.el6
sl	qt-sqlite	2.2 M	0.12.4-3.el6_0.1
sl	qt-x11	x86_64	0.0.4-4.el6_1.1
sl	qt3	72 k	1:4.6.2-20.el6
sl	redhat-lsb	21 k	1:4.6.2-20.el6
sl	redhat-lsb-graphics	4.0 M	3.3.8b-30.el6
sl	redhat-lsb-printing	49 k	4.0-3.el6
sl	setools-libs	12 M	4.0-3.el6
sl	setools-libs-python	9.6 k	3.3.7-4.el6
sl	23 k	x86_64	3.3.7-4.el6

```

tcl                               x86_64          1:8.5.7-6.el6
sl                               x86_64          1.7-37.1.el6
time                            25 k           2.9.16-4.el6
sl                               x86_64          2.4-10.el6
tmpwatch                          noarch          2.0.8-1.el6
urw-fonts                         noarch          0.6.3-32.el6
voms                            3.0 M           1:7.2-11.el6
EMI.lfc.sl6.x86_64               x86_64          1:8.5.7-6.el6
xml-common                       noarch          2.0.8-1.el6
xorg-x11-font-utils              8.4 k           1:7.2-11.el6
sl                               74 k           1:7.2-11.el6

Transaction Summary
=====
Install      193 Package(s)

# yum install mysql-server

[root@test09 yum.repos.d]# chkconfig mysqld on
[root@test09 yum.repos.d]# chkconfig --list|grep mysql
mysqld          0:off    1:off    2:on     3:on    4:on     5:on    6:off

= Configuration =
# /opt/glite/yaim/bin/yaim -c -s site-info.def -n emi_lfc_mysql
# /etc/init.d/mysqld status
mysqld (pid 14452) is running...
# /etc/init.d/lfcdaemon status
lfcdaemon (pid 14694) is running... [ OK ]
= Testing =
From SA2 testbed UI
$ voms-proxy-init --voms ops
$ 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: V0:ops.vo.ibergrid.eu
GlueServiceAccessControlBaseRule: V0: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

$ export LFC_HOST=test09.egi.cesga.es

$ lfc-ls -l /grid/
drwxrwxr-x  0 root      102          0 Jun 20 12:39 dteam
drwxrwxr-x  0 root      104          0 Jun 20 12:39 iber.vo.ibergrid.eu
drwxrwxr-x  0 root      101          0 Jun 20 12:39 ops
drwxrwxr-x  0 root      103          0 Jun 20 12:39 ops.vo.ibergrid.eu

$ export LFC_HOME=/grid/ops
$ lfc-ls -l
$ lfc-mkdir asimon
$ lfc-ls -l
drwxrwxr-x  0 101      101          0 Jun 20 13:02 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=test04.egi.cesga.es:2170

$ lcg-cr -d test08.egi.cesga.es --vo ops -l lfn:asimon/oneone file:/home/asimon/test.sh
guid:b9da4e0f-d332-4ca6-93d2-c65d3c8deb25

$ lfc-ls -l asimon
-rw-rw-r-- 1 101      101           122 Jun 20 13:18 oneone

$ lcg-cr -d test08.egi.cesga.es --vo ops -l lfn:asimon/two file:/home/asimon/test.sh
guid:c95062e7-3197-4190-a189-f449926a7519

$ lfc-ls -l asimon
-rw-rw-r-- 1 101      101           122 Jun 20 13:18 oneone
-rw-rw-r-- 1 101      101           122 Jun 20 13:19 two

$ lcg-lr --vo ops lfn:asimon/oneone
srm://test08.egi.cesga.es/dpm/egi.cesga.es/home/ops/generated/2012-06-20/fileb707cb7e-8421-4137-afe3-dd0d8b5b8c92

$ lcg-cp --vo ops lfn:asimon/two file://$PWD/test2.out
$ ls -lisa /home/asimon/test2.out
204801 4 -rw-rw-r-- 1 asimon asimon 122 jun 20 13:22 /home/asimon/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 Jun 20 13:18 oneone
-rw-rw-r-- 1 101      101           122 Jun 20 13:19 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):**

**Comments for DMSU (TSA2.5):**

**Comments for TP:**