

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

Name of the component	LFC mysql		
Release	<b>1.8.3</b>	RT Ticket	#3690
Software Provider	EMI		
Release Contact	Name:	E-Mail	
	Cristina Aiftimiei	cristina.aiftimiei@pd.infn.it	
Validator	Name:	E-Mail	
	Esteban Freire	esfreire@cesga.es	
V. Hours Worked	6		
Component status	<b>Verified</b>	Date	09/05/12
Verification start date	09/05/12	Verification end date	09/05/12

**Summary:**

**No issues were found during lfc\_mysql 1.8.3 verification.**

**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>	16	0	0	16
	Specific Quality Criteria			
<b>TP</b>				
<b>VLD</b>	11	0	0	11

## Quality Criteria verification cheatsheet:

Criteria	Accepted (Y/N/NA)	Tested (TP/VLD)	Comments
<b>Generic QC</b>			
GENERIC_DOC_1 (Functional Description)	Y	VLD	
GENERIC_DOC_4 (Online help (man pages))	Y	VLD	
GENERIC_DOC_5 (API Documentation)	Y	VLD	
GENERIC_DOC_6 (Administrator Documentation)	Y	VLD	
GENERIC_DOC_7 (Service Reference Card)	Y	VLD	
GENERIC_DOC_8 (Software License)	Y	VLD	
GENERIC_DOC_9 (Release changes testing)	Y	VLD	
GENERIC_DIST_1 (Source Code Availability)	Y	VLD	
GENERIC_DIST_2 (Source Distribution)	Y	VLD	
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	
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_4 (Automatic Configuration)	Y	VLD	
GENERIC_SEC_1 (World Writable Files)	Optional		
GENERIC_SEC_2 (Directory Traversal Attacks testing)	Y	VLD	
<b>Security Capabilities QC</b>			
GENERIC_MISC_2 (Bug Tracking System)	Y	VLD	
AUTHN_IFACE_1 (X.509 Certificate support)	Optional		
AUTHZ_PCYDEF_2 (Policy Definition from file)	Y	VLD	
AUTHZ_PCYDEF_3 (Ban UserFQAN)	Y	VLD	
AUTHZ_PDP_1 (XACML Interface)	Y	VLD	
AUTHZ_PEP_1 (Policy Enforcement)	Y	VLD	
<b>Information Capabilities QC</b>			
INFOMODEL_SCHEMA_1 (GlueSchema Support)	Y	VLD	
<b>Data Capabilities QC</b>			
METADATA_LFC_API_1 (LFC API)	Y	VLD	
METADATA_LFC_FUNC_1 (Directory Management)	Y	VLD	
METADATA_LFC_FUNC_2 (ACL Operations)	Y	VLD	
METADATA_LFC_FUNC_3 (Entry Comments)	Y	VLD	
METADATA_LFC_FUNC_4 (User/Group Map Management)	Y	VLD	

## Validator comments:

=== Repositories ===

{{{

```
[root@test09 yum.repos.d]# cat EMI.lfc_mysql.sl5.x86_64.repo
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) -
(3690,458,384)
```

```
[EMI.lfc_mysql.sl5.x86_64]
name=EMI.lfc_mysql.sl5.x86_64
baseurl=http://admin-repo.egi.eu/sw/unverified/emi.lfc_mysql.sl5.x86_64/1/8/3/
enabled=1
protect=1
priority=1
gpgcheck=1
gpgkey=http://emisoft.web.cern.ch/emisoft/dist/EMI/1/RPM-GPG-KEY-emi
}}}
```

=== Installation (OK) ===

\* yum clean all

\* yum update

{{{

```
May 08 16:50:02 Updated: lcgdm-libs-1.8.3-1.el5.x86_64
May 08 16:50:03 Updated: lfc-libs-1.8.3-1.el5.x86_64
May 08 16:50:05 Installed: gridsite-shared-1.7.19-1.el5.x86_64
May 08 16:50:07 Installed: lfc-perl-1.8.3-1.el5.x86_64
May 08 16:50:08 Installed: lfc-server-mysql-1.8.3-1.el5.x86_64
May 08 16:50:09 Updated: lfc-1.8.3-1.el5.x86_64
May 08 16:50:10 Installed: lcgdm-dav-libs-0.7.1-1.el5.x86_64
May 08 16:50:12 Installed: lfc-python-1.8.3-1.el5.x86_64
May 08 16:50:13 Installed: apr-1.2.7-11.el5_6.5.x86_64
May 08 16:50:14 Installed: lcgdm-dav-0.7.1-1.el5.x86_64
May 08 16:50:15 Installed: lfc-dli-1.8.3-1.el5.x86_64
May 08 16:50:16 Installed: gridsite-apache-1.7.19-1.el5.x86_64
May 08 16:50:17 Installed: dpm-libs-1.8.3-1.el5.x86_64
May 08 16:50:20 Installed: postgresql-libs-8.1.23-1.el5_7.2.x86_64
May 08 16:50:22 Installed: apr-util-1.2.7-11.el5_5.2.x86_64
May 08 16:50:26 Installed: httpd-2.2.3-63.sl5.1.x86_64
May 08 16:50:32 Installed: distcache-1.4.5-14.1.x86_64
May 08 16:50:33 Updated: lcgdm-devel-1.8.3-1.el5.x86_64
May 08 16:50:35 Updated: lfc-devel-1.8.3-1.el5.x86_64
May 08 16:50:36 Updated: lfc-yaim-4.2.4-1.el5.noarch
May 08 16:50:37 Installed: 1.mod_ssl-2.2.3-63.sl5.1.x86_64
May 08 16:50:38 Installed: lcgdm-dav-server-0.7.1-1.el5.x86_64
May 08 16:50:39 Updated: emi-version-1.11.0-1.sl5.x86_64
May 08 16:50:39 Updated: emi-lfc_mysql-1.8.3-1.el5.x86_64
```

```
May 08 16:50:40 Erased: perl-lfc
May 08 16:50:44 Erased: LFC-server-mysql
May 08 16:50:47 Erased: python-lfc
May 08 16:50:48 Installed: httpd-2.2.3-63.s15.1.x86_64
}}}
```

```
== Yaim configuration (OK) ==
```

```
{{{
```

```
[root@test09 etc]# /opt/glite/yaim/bin/yaim -c -s site-info.def -n emi_lfc_mysql
```

```
[ .... ]
```

```
DEBUG: Skipping function: config_bdii_5.2_setenv because it is not defined
```

```
INFO: Executing function: config_bdii_5.2
```

```
Stopping BDII update process: [ OK ]
```

```
Stopping BDII slapd: [ OK ]
```

```
Starting BDII slapd: [ OK ]
```

```
Starting BDII update process: [ OK ]
```

```
DEBUG: Skipping function: config_gip2_lfc_setenv because it is not defined
```

```
INFO: Executing function: config_gip2_lfc
```

```
DEBUG: Skipping function: config_lfc_user_setenv because it is not defined
```

```
INFO: Executing function: config_lfc_user
```

```
DEBUG: Skipping function: config_lfc_mysql_upgrade_setenv because it is not defined
```

```
INFO: Executing function: config_lfc_mysql_upgrade
```

```
Starting MySQL: [ OK ]
```

```
INFO: Checking for database schema version...
```

```
INFO: Database version used: 3.1.0
```

```
DEBUG: Skipping function: config_lfc_mysql_setenv because it is not defined
```

```
INFO: Executing function: config_lfc_mysql
```

```
Starting MySQL: [ OK ]
```

```
DEBUG: Skipping function: config_lfc_server_setenv because it is not defined
```

```
INFO: Executing function: config_lfc_server
```

```
Stopping lfcdaemon: [ OK ]
```

```
INFO: Waiting for complete wake-up of the name server...
```

```
Starting lfcdaemon: [ OK ]
```

```
nsentergrpmap -1: Group exists already
```

```
DEBUG: Creating default paths for the VOs
```

```
nsentergrpmap -1: Group exists already
```

```
nsentergrpmap -1: Group exists already
```

```
nsentergrpmap -1: Group exists already
```

```
DEBUG: Skipping function: config_lfc_dli_setenv because it is not defined
```

```
INFO: Executing function: config_lfc_dli
```

```
Stopping lfc-dli: [ OK ]
```

```
Starting lfc-dli: [ OK ]
```

```
DEBUG: Skipping function: config_lfc_semsg_setenv because it is not defined
```

```
INFO: Executing function: config_lfc_semsg
```

```
WARNING: LFC_SEMSG set to no. SEMsg will not be configured.
```

```
INFO: Configuration Complete. [ OK ]
```

```
INFO: YAIM terminated successfully.
```

```
}}}
```

```
==== Testing (OK) ====
```

```
* from SA2 UI:
```

```
{
```

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

```
[OK]
```

```
}
```

```
{
```

```
[esfreire@test13 ~]$ export LFC_HOST=test09.egi.cesga.es
```

```
[esfreire@test13 ~]$ export DPM_HOST=test08.egi.cesga.es
```

```
[esfreire@test13 ~]$ export DPNS_HOST=test08.egi.cesga.es
```

```
[esfreire@test13 ~]$
```

```
}
```

```
{
```

```
[esfreire@test13 ~]$ lfc-ls -l /grid/
```

```
drwxrwxr-x 0 root 102 0 Jun 20 2011 dteam
```

```
drwxrwxr-x 0 root 104 0 Jun 20 2011 iber.vo.ibergrid.eu
```

```
drwxrwxr-x 3 root 101 0 Jan 03 13:48 ops
```

```
drwxrwxr-x 1 root 103 0 Jun 20 2011 ops.vo.ibergrid.eu
```

```
}
```

```
{
```

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

```
[esfreire@test13 ~]$ lfc-mkdir esfreire
```

```
[esfreire@test13 ~]$ lfc-ls -l
```

```
drwxrwxr-x 2 101 101 0 Jun 20 2011 asimon
```

```
drwxrwxr-x 3 101 101 0 Jan 03 15:33 asimon2
```

```
drwxrwxr-x 0 103 107 0 May 09 10:02 esfreire
```

```
drwxrwxr-x 1 101 101 0 Jan 03 13:48 generated
```

```
[esfreire@test13 ~]$ lfc-setacl -m d:u::7,d:g::7,d:o:5 esfreire
```

```
[esfreire@test13 ~]$ lfc-getacl esfreire
```

```
# file: esfreire
```

```
# owner: /DC=es/DC=irisgrid/O=cesga/CN=javier-lopez
```

```
# group: ops/Role=logadmin
```

```
user::rwx
```

```
group::rwx #effective:rwx
```

```
other::r-x
```

```
default:user::rwx
```

```
default:group::rwx
```

default:other::r-x

lcg-cr -d test08.egi.cesga.es --vo ops -l lfn:esfreire/test1 file:/home/esfreire/hola.sh

lcg-cr -d test08.egi.cesga.es --vo ops -l lfn:esfreire/test2 file:/home/esfreire/hola.sh

lcg-lr --vo ops lfn:esfreire/test1

lcg-info --list-se --vo ops

- SE: test08.egi.cesga.es

lcg-cp --vo ops lfn:esfreire/test1 file://\$PWD/test1.out

lfc-setcomment esfreire/oneone "this is a comment example for verification process.  
Hello world!"

lfc-ls --comment esfreire

lfc-chmod 700 esfreire/test1

lfc-ls -l

}}}

**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:**