

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

Name of the component	LFC mysql		
Release	1.8.2	RT Ticket	#3187
Software Provider	EMI		
Release Contact	Name:	E-Mail	
	Cristina Aiftimiei	cristina.aiftimiei@pd.infn.it	
Validator	Name:	E-Mail	
	Alvaro Simon	asimon@cesga.es	
V. Hours Worked	6		
Component status	Verified	Date	03/01/12
Verification start date	03/01/12	Verification end date	04/01/12

Summary:
No issues were found during lfc_mysql 1.8.2 verification.

GGUS Tickets:
None

Summary of Quality Criteria verification:

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
TP				
VLD	16	0	0	16
	Specific Quality Criteria			
TP				
VLD	11	0	0	11

Quality Criteria verification cheatsheet:

Criteria	Accepted (Y/N/NA)	Tested (TP/VLD)	Comments
Generic QC			
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	
Security Capabilities QC			
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	
Information Capabilities QC			
INFOMODEL_SCHEMA_1 (GlueSchema Support)	Y	VLD	
Data Capabilities QC			
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 ====

\$ cat EMI.lfc_mysql.s15.x86_64.repo

```
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) - (3187,402,323)
```

```
[EMI.lfc_mysql.s15.x86_64]
name=EMI.lfc_mysql.s15.x86_64
baseurl=http://admin-repo.egi.eu/sw/unverified/emi.lfc_mysql.s15.x86_64/1/8/2/
enabled=1
protect=1
priority=15
gpgcheck=1
gpgkey=http://emisoft.web.cern.ch/emisoft/dist/EMI/1/RPM-GPG-KEY-emi
```

\$ yum clean all

\$ yum update

Dependencies Resolved

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

Updating:

lfc-server-mysql	x86_64
1.8.2-3sec.s15	EMI.lfc_mysql.s15.x86_64
694 k	
bdii	noarch
5.2.5-2.e15	EMI.lfc_mysql.s15.x86_64
20 k	
emi-lfc_mysql	x86_64
1.8.2-3sec.s15	EMI.lfc_mysql.s15.x86_64
3.8 k	
emi-version	x86_64
1.6.0-1.s15	EMI.lfc_mysql.s15.x86_64
2.0 k	
glite-yaim-bdii	noarch
4.3.4-1.e15	EMI.lfc_mysql.s15.x86_64
10 k	
glite-yaim-core	noarch
5.0.2-1.s15	EMI.lfc_mysql.s15.x86_64
116 k	
glue-schema	noarch
2.0.8-1.e15	EMI.lfc_mysql.s15.x86_64
33 k	
lcgdm-devel	x86_64
1.8.2-3sec.s15	EMI.lfc_mysql.s15.x86_64
199 k	
lcgdm-libs	x86_64
1.8.2-3sec.s15	EMI.lfc_mysql.s15.x86_64
163 k	
lfc	x86_64
1.8.2-3sec.s15	EMI.lfc_mysql.s15.x86_64
1.5 M	
lfc-devel	x86_64
1.8.2-3sec.s15	EMI.lfc_mysql.s15.x86_64
321 k	
lfc-libs	x86_64
1.8.2-3sec.s15	EMI.lfc_mysql.s15.x86_64
101 k	
lfc-yaim	noarch
4.2.1-0.s15	EMI.lfc_mysql.s15.x86_64
16 k	
perl-lfc	x86_64
1.8.2-3sec.s15	EMI.lfc_mysql.s15.x86_64
325 k	
python-lfc	x86_64
1.8.2-3sec.s15	EMI.lfc_mysql.s15.x86_64
1.0 M	

Transaction Summary

```
=====
=====
=====
Install      0 Package(s)
Upgrade     15 Package(s)

Total download size: 4.5 M
```

== Yaim configuration ==

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

== Testing ==

from SA2 UI:

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

```
$ export LFC_HOST=test09.egi.cesga.es
```

```
$ 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  1 root    101          0 Jun 20  2011 ops
drwxrwxr-x  1 root    103          0 Jun 20  2011 ops.vo.ibergrid.eu
```

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

```
$ lfc-ls -l
drwxrwxr-x  2 101      101          0 Jun 20  2011 asimon
```

```
$ lfc-mkdir asimon2
```

```
$ lfc-ls -l
drwxrwxr-x  2 101      101          0 Jun 20  2011 asimon
drwxrwxr-x  0 101      101          0 Jan 03 13:38 asimon2
```

```
$ lfc-setacl -m d:u::7,d:g::7,d:o:5 asimon2
```

```
$ lfc-getacl asimon2
```

```
# file: asimon2
# 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
```

```
$ lcg-cr -d test08.egi.cesga.es --vo ops -l lfn:asimon2/oneone file:/home/asimon/test.sh
```

```
GSIFTP: default set up URL mode
GSIFTP: dest: set up FTP mode. DCAU disabled. Streams = 1, Tcp BS = 0
guid:8eb62fea-abdf-4c71-b142-51186f83e14d
```

```
$ lfc-ls -l asimon2
```

```
-rw-rw-r--  1 101      101          122 Jan 03 13:41 oneone
```

```
$ lcg-cr -d test08.egi.cesga.es --vo ops -l lfn:asimon2/two file:/home/asimon/test.sh
```

```
GSIFTP: default set up URL mode
GSIFTP: dest: set up FTP mode. DCAU disabled. Streams = 1, Tcp BS = 0
guid:3cefebd7-3ea1-4790-92b6-f23cfd8d786e
```

\$ lfc-ls -l asimon2

```
-rw-rw-r-- 1 101 101 122 Jan 03 13:41 oneone  
-rw-rw---- 1 101 101 122 Jan 03 13:43 two
```

\$ lcg-lr --vo ops lfn:asimon2/oneone

```
srm://test08.egi.cesga.es/dpm/egi.cesga.es/home/ops/generated/2012-01-03/fileaa5820fc-dd44-4e73-9b35-816a7981b48a
```

\$ lcg-info --list-se --vo ops

```
- SE: test08.egi.cesga.es  
  
- SE: test12.egi.cesga.es
```

\$ lcg-cp --vo ops lfn:asimon2/two file://\$PWD/test1.out

```
GSIFTP: source: set up FTP mode. DCAU disabled. Streams = 1, Tcp BS = 0  
GSIFTP: default set up URL mode
```

\$ ls -lisa test1.out

```
426204 8 -rw-rw-r-- 1 asimon asimon 122 Jan 3 14:01 test1.out
```

\$ lfc-setcomment asimon2/oneone "this is a comment example for verification process.
Hello worldl"

\$ lfc-ls --comment asimon2

```
oneone this is a comment example for verification process. Hello worldl  
two
```

\$ lfc-chmod 700 asimon2/oneone

\$ lfc-ls -l asimon2

```
-rwx----- 1 101 101 122 Jan 03 13:41 oneone  
-rw-rw---- 1 101 101 122 Jan 03 13:43 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: