

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

Name of the component	LFC_mysql		
Release	1.8.7	RT Ticket	#6013 #6014
Software Provider	EMI 3		
Release Contact	Name:	E-Mail	
	Cristina Aiftimiei	cristina.aiftimiei@pd.infn.it	
Validator	Name:	E-Mail	
	Álvaro Simón	asimon@cesga.es	
V. Hours Worked	2		
Component status	Verified	Date	23/09/13
Verification start date	23/09/13	Verification end date	23/09/13

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
TP				
VLD	13			13
	Specific Quality Criteria			
TP				
VLD	9			9

Criteria	Quality Criteria verification	Accepted (Y/N)	Tested (TP/VLD)	Comments
DOCUMENTATION QC				
GENERIC_DOC_1 (Functional Description)	Optional			
GENERIC_DOC_2 (Release Notes)	Y	VLD		
GENERIC_DOC_3 (User Documentation)	Optional			
GENERIC_DOC_4 (Online help (man pages))	Optional			
GENERIC_DOC_5 (API Documentation)	Optional			
GENERIC_DOC_6 (Administrator Documentation)	Optional			
GENERIC_DOC_7 (Service Reference Card)	Optional			
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 start)	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 Configuration)	Optional			
GENERIC_SERVICE_6 (Default Password Control)	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 readable)	Y	VLD		
MISCELLANEOUS QC				
GENERIC_MISC_1 (Bug Tracking System)	Y	VLD		
AUTHENTICATION QC				
AUTHN_CRED_1 (X509 Certificate support)	Y	VLD		
AUTHN_CRED_2 (SHA2 Certificate support)	Optional			
AUTHN_CRED_3 (RFC Proxy support)	Optional			
AUTHN_PROTO_1 (TLS/SSLv3 Support)				
AUTHORISATION QC				
AUTHZ_PCYDEF_3 (Ban UserGroup of users)				
AUTHZ_PCYDEF_4 (Allowed users definition)				
AUTHZ_PEP_2 (User Mapping)	Y	VLD		
AUTHZ_PEP_3 (Argus Integration)	Optional			
INFORMATION MODEL QC				
INFOMODEL_SCHEMA_1 (GlueSchema Support)	Y	VLD		
INFOMODEL_SCHEMA_2 (Middleware Version)	Optional			
INFOMODEL_SCHEMA_3 (GlueSchema 2.0 Support)	Y	VLD		
METADATA CATALOGUE 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 (UserGroup Mapping)	Y	VLD		
METADATA_LFC_FUNC_5 (Entry Management)	Y	VLD		
MONITORING PROBES QC				
MON_PROBE_GENERIC_1 (Certificate Lifetime)	Optional			
MON_PROBE_GENERIC_2 (Service Probe)	Optional			
MON_PROBE_METADATA_1 (LFC Probes)				
CLIENT TOOLS QC				
CLIENT_TOOLS_1 (Command line options control)	Optional			
CLIENT_TOOLS_2 (Error Messages)	Optional			

Validator comments:

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

=====				
Package Size	Arch	Version	Repository	
=====				
Installing: emi-lfc_mysql	x86_64	1.8.7-3.el6	EMI.lfc.s16.x86_64	3.1
k				
Installing for dependencies: audit-libs-python	x86_64	2.2-2.el6	sl	58
k				
bdii	noarch	5.2.22-1.el6	EMI.lfc.s16.x86_64	25
k				
boost-regex	x86_64	1.41.0-15.el6_4	sl-security	474
k				
dmlite-libs	x86_64	0.4.2-1.el6	EMI.lfc.s16.x86_64	174
k				
dmlite-plugins-adapter	x86_64	0.4.1-1.el6	EMI.lfc.s16.x86_64	65
k				
dmlite-plugins-mysql	x86_64	0.4.1-1.el6	EMI.lfc.s16.x86_64	65
k				
dpm-libs	x86_64	1.8.7-3.el6	epel	135
k				
edg-mkgridmap	noarch	4.0.0-1	EMI.lfc.s16.x86_64	27
k				
emi-version	x86_64	3.5.1-1.el6	EMI.lfc.s16.x86_64	2.4
k				
expect	x86_64	5.44.1.15-4.el6	sl	255
k				
fetch-crl	noarch	3.0.11-1.el6	epel	49
k				
finger	x86_64	0.17-39.el6	sl	21
k				
glite-info-provider-service	noarch	1.13.1-1.el6	EMI.lfc.s16.x86_64	63
k				
glite-yaim-bdii	noarch	4.3.14-1.el6	EMI.lfc.s16.x86_64	11
k				
glite-yaim-core	noarch	5.1.2-1.s16	EMI.lfc.s16.x86_64	102
k				
globus-callout	x86_64	2.2-1.el6	epel	18
k				
globus-common	x86_64	14.9-1.el6	epel	115
k				
globus-gsi-callback	x86_64	4.4-1.el6	epel	39
k				
globus-gsi-cert-utils	x86_64	8.3-1.el6	epel	20
k				
globus-gsi-credential	x86_64	5.3-1.el6	epel	33
k				
globus-gsi-openssl-error	x86_64	2.1-2.el6	epel	17
k				
globus-gsi-proxy-core	x86_64	6.2-1.el6	epel	33
k				
globus-gsi-proxy-ssl	x86_64	4.1-2.el6	epel	17
k				
globus-gsi-sysconfig	x86_64	5.3-1.el6	epel	28
k				
globus-gss-assist	x86_64	8.7-1.el6	epel	33
k				
globus-gssapi-gsi	x86_64	10.7-1.el6	epel	56
k				
globus-openssl-module	x86_64	3.2-1.el6	epel	14
k				
glue-schema	noarch	2.0.10-1.el6	EMI.lfc.s16.x86_64	31
k				
gridsite	x86_64	1.7.25-2.el6	epel	103
k				
gridsite-libs	x86_64	1.7.25-2.el6	epel	39
k				
gsoap	x86_64	2.7.16-3.el6	epel	198
k				
httpd	x86_64	2.2.15-29.s16	sl-security	820
k				
httpd-tools	x86_64	2.2.15-29.s16	sl-security	72
k				
json-c	x86_64	0.10-2.el6	epel	24
k				
logdm-dav	x86_64	0.12.2-1.el6	epel	18
k				
logdm-dav-libs	x86_64	0.12.2-1.el6	epel	36
k				
logdm-dav-server	x86_64	0.12.2-1.el6	epel	77
k				
logdm-devel	x86_64	1.8.7-3.el6	epel	45
k				
logdm-libs	x86_64	1.8.7-3.el6	epel	102
k				
lfc	x86_64	1.8.7-3.el6	epel	99
k				

lfc-devel	x86_64	1.8.7-3.el6	epel	134
k lfc-libs	x86_64	1.8.7-3.el6	epel	40
k lfc-perl	x86_64	1.8.7-3.el6	epel	126
k lfc-python	x86_64	1.8.7-3.el6	epel	244
k lfc-server-mysql	x86_64	1.8.7-3.el6	epel	109
k lfc-yaim	noarch	4.2.7-1.el6	EMI.lfc.s16.x86_64	18
k libicu	x86_64	4.2.1-9.1.el6_2	sl	4.9
M libselinux-python	x86_64	2.0.94-5.3.el6	sl	201
k libsemanage-python	x86_64	2.0.43-4.2.el6	sl	80
k libtool-ltdl	x86_64	2.2.6-15.5.el6	sl	43
k mod_ssl	x86_64	1:2.2.15-29.s16	sl-security	90
k mysql	x86_64	5.1.69-1.el6_4	sl-security	907
k mysql-libs	x86_64	5.1.69-1.el6_4	sl-security	1.2
M openldap-clients	x86_64	2.4.23-31.el6	sl	164
k openldap-servers	x86_64	2.4.23-31.el6	sl	2.0
M perl-Authen-SASL	noarch	2.13-2.el6	sl	50
k perl-Compress-Raw-Zlib	x86_64	1:2.020-130.el6_4	sl-security	67
k perl-Compress-Zlib	x86_64	2.020-130.el6_4	sl-security	43
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-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.el6	sl	48
k perl-GSSAPI	x86_64	0.26-6.el6	sl	63
k perl-HTML-Parser	x86_64	3.64-2.el6	sl	108
k perl-HTML-Tagset	noarch	3.20-4.el6	sl	15
k perl-IO-Compress-Base	x86_64	2.020-130.el6_4	sl-security	67
k perl-IO-Compress-Zlib	x86_64	2.020-130.el6_4	sl-security	133
k perl-IO-Socket-SSL	noarch	1.31-2.el6	sl	68
k perl-LDAP	noarch	1:0.40-1.el6	sl	353
k perl-Net-LibIDN	x86_64	0.12-3.el6	sl	34
k perl-Net-SSLeay	x86_64	1.35-9.el6	sl	172
k perl-TermReadKey	x86_64	2.30-13.el6	sl	30
k perl-Text-Iconv	x86_64	1.7-6.el6	sl	21
k perl-URI	noarch	1.40-2.el6	sl	116
k perl-XML-DOM	noarch	1.44-7.el6	sl	135
k perl-XML-Filter-BufferText	noarch	1.01-8.el6	sl	8.5
k perl-XML-LibXML	x86_64	1:1.70-5.el6	sl	363
k perl-XML-Namespacesupport	noarch	1.10-3.el6	sl	16
k perl-XML-Parser	x86_64	2.36-7.el6	sl	223
k perl-XML-RegExp	noarch	0.03-7.el6	sl	8.8
k perl-XML-SAX	noarch	0.96-7.el6	sl	77
k perl-XML-SAX-Writer	noarch	0.50-8.el6	sl	23
k perl-YAML-Syck	x86_64	1.07-4.el6	sl	74
k perl-libwww-perl	noarch	5.833-2.el6	sl	386
k policycoreutils-python	x86_64	2.0.83-19.30.el6	sl	341
k setools-libs	x86_64	3.3.7-4.el6	sl	399
k setools-libs-python	x86_64	3.3.7-4.el6	sl	221
k tcl	x86_64	1:8.5.7-6.el6	sl	1.9
M voms	x86_64	2.0.10-3.el6	epel	147
k				

```

Transaction Summary
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==
Install          91 Package(s)

Total download size: 21 M
Installed size: 71 M

# yum install mysql-server

# /etc/init.d/mysqld start

# /usr/bin/mysqladmin -u root password '*****'

# /usr/bin/mysqladmin -u root -h test09.egi.cesga.es password '*****'

# /usr/bin/mysql_secure_installation

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

# yum install glue-validator

# glue-validator -g egi-glue2 -H localhost -p 2170 -b o=glue -s egi-profile -n -v 3 --exclude-known-issues
OK - errors 0, warnings 0, info 0 | errors=0;warnings=0;info=0

From UI:

$ voms-proxy-init --voms ops.vo.ibergrid.eu
Enter GRID pass phrase for this identity:
Contacting test10.egi.cesga.es:15000 [/DC=es/DC=irisgrid/O=cesga/CN=host/test10.egi.cesga.es] "ops.vo.ibergrid.eu"...
Remote VOMS server contacted succesfully.

Created proxy in /tmp/x509up_u500.

Your proxy is valid until Mon Sep 23 23:09:35 CEST 2013

$ export LFC_HOST=test09.egi.cesga.es

$ lfc-ls -l /grid/
drwxrwxr-x 0 root      102              0 Sep 23 10:41 dteam
drwxrwxr-x 0 root      104              0 Sep 23 10:41 iber.vo.ibergrid.eu
drwxrwxr-x 0 root      101              0 Sep 23 10:41 ops
drwxrwxr-x 0 root      103              0 Sep 23 10:41 ops.vo.ibergrid.eu

$ export LFC_HOME=/grid/ops.vo.ibergrid.eu
$ lfc-ls -l
$ lfc-mkdir asimon
$ lfc-ls -l
drwxrwxr-x 0 101      103              0 Sep 23 11:13 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.vo.ibergrid.eu
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

```

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: