

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

Name of the component	LFC		
Release	1.8.4	RT Ticket	4506
Software Provider	EMI		
Release Contact	Name:	E-Mail	
	cristina.aiftimiei@pd.infn.it		
Validator	Name:	E-Mail	
	Mario David (david@lip.pt)		
V. Hours Worked	16		
Component status	<b>ACCEPT</b>	Date	1 November 2012
Verification start date	21 October 2012	Verification end date	22 October 2012

**Summary:**

- Fresh installation of a Centos6.3 machine.
- The UMD “untested” repository was enabled to install the emi-lfc\_mysql metapackge: everything OK.
- The Database from a production LFC has been dumped to the new machine.
- YAIM has been run, the DB scripts to update the schema have run inside the yaim, with success.

**GGUS Tickets:**

**Summary of Quality Criteria verification:**

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
<b>TP</b>	1			1
<b>VLD</b>	19			19
	Specific Quality Criteria			
<b>TP</b>	6			6
<b>VLD</b>	5			5

## Quality Criteria verification cheatsheet:

Criteria	Accepted	Tested	Comments
<b>DOCUMENTATION QC</b>			
GENERIC_DOC_1 (Functional Description)	Y	VLD	<a href="https://svnweb.cern.ch/trac/lcgdm/wiki/Lfc">https://svnweb.cern.ch/trac/lcgdm/wiki/Lfc</a>
GENERIC_DOC_2 (Release Notes)	Y	VLD	<a href="https://its.cern.ch/jira/secure/IssueNavigator.jspa?reset=true&amp;jqlQuery=project+%3D+LCC">https://its.cern.ch/jira/secure/IssueNavigator.jspa?reset=true&amp;jqlQuery=project+%3D+LCC</a>
GENERIC_DOC_3 (User Documentation)	Y	VLD	<a href="https://svnweb.cern.ch/trac/lcgdm/attachment/wiki/Lfc/User/Tutorial/LFC%20tutorial.ppt">https://svnweb.cern.ch/trac/lcgdm/attachment/wiki/Lfc/User/Tutorial/LFC%20tutorial.ppt</a>
GENERIC_DOC_4 (Online help (man pages))	Y	VLD	man pages
GENERIC_DOC_5 (API Documentation)	Optional		
GENERIC_DOC_6 (Administrator Documentation)	Y	VLD	<a href="https://svnweb.cern.ch/trac/lcgdm/wiki/Lfc">https://svnweb.cern.ch/trac/lcgdm/wiki/Lfc</a>
GENERIC_DOC_7 (Service Reference Card)	Y	VLD	<a href="https://svnweb.cern.ch/trac/lcgdm/wiki/Lfc/Admin/ReferenceCard">https://svnweb.cern.ch/trac/lcgdm/wiki/Lfc/Admin/ReferenceCard</a>
GENERIC_DOC_8 (Software License)	Y	VLD	Apache2
GENERIC_DOC_9 (Release changes testing)	Y	TP	<a href="https://savannah.cern.ch/task/download.php?file_id=29208">https://savannah.cern.ch/task/download.php?file_id=29208</a>
<b>SOFTWARE DISTRIBUTION QC</b>			
GENERIC_DIST_1 (Source Code Availability)	Y	VLD	<a href="http://svn.cern.ch/guest/lcgdm/lcg-dm/tags/">http://svn.cern.ch/guest/lcgdm/lcg-dm/tags/</a>
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	
<b>SOFTWARE FEATURES QC</b>			
GENERIC_SOFT_1 (Backwards Compatibility)	Y	VLD	an sql is available for DB schma upgrade
GENERIC_SOFT_2 (New features testing)	Y	VLD	some of the new features where tested (not all)
<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	service running for some days in production
GENERIC_SERVICE_4 (Service Robustness)	Optional		
GENERIC_SERVICE_5 (Automatic Configuration)	Y	VLD	YAIM configuration framework
GENERIC_SERVICE_6 (Default Password Configuration)	Y	VLD	no default passwords
<b>SECURITY QC</b>			
GENERIC_SEC_1 (World Writable Files)	Y	VLD	find / -perm -o=w -type f -print
GENERIC_SEC_3 (Passwords in world readable files)	Y	VLD	
<b>MISCELLANEOUS QC</b>			
GENERIC_MISC_2 (Bug Tracking System)	Y	VLD	<a href="https://its.cern.ch/jira/browse/LCGDM">https://its.cern.ch/jira/browse/LCGDM</a>
<b>AUTHENTICATION QC</b>			
AUTHN_IFACE_1 (X.509 Certificate support)	Y	VLD	
<b>AUTHORISATION QC</b>			
AUTHZ_PCYDEF_3 (Ban User/FQAN)			Not verified
AUTHZ_PCYDEF_4 (Allowed users definition)			Not verified
AUTHZ_PEP_1 (Policy Enforcement)			Not verified
AUTHZ_PEP_2 (User Mapping)			Not verified
<b>METADATA CATALOGUE QC</b>			
METADATA_LFC_API_1 (LFC API)	Y	TP	<a href="https://savannah.cern.ch/task/download.php?file_id=29210">https://savannah.cern.ch/task/download.php?file_id=29210</a>
METADATA_LFC_FUNC_1 (Directory Management)	Y	TP	<a href="https://savannah.cern.ch/task/download.php?file_id=29210">https://savannah.cern.ch/task/download.php?file_id=29210</a>
METADATA_LFC_FUNC_2 (ACL Operations)	Y	TP	<a href="https://savannah.cern.ch/task/download.php?file_id=29210">https://savannah.cern.ch/task/download.php?file_id=29210</a>
METADATA_LFC_FUNC_3 (Entry Comments)	Y	TP	<a href="https://savannah.cern.ch/task/download.php?file_id=29210">https://savannah.cern.ch/task/download.php?file_id=29210</a>
METADATA_LFC_FUNC_4 (User/Group Map Management)	Y	TP	<a href="https://savannah.cern.ch/task/download.php?file_id=29210">https://savannah.cern.ch/task/download.php?file_id=29210</a>
METADATA_LFC_FUNC_5 (Entry Management)	Y	TP	<a href="https://savannah.cern.ch/task/download.php?file_id=29210">https://savannah.cern.ch/task/download.php?file_id=29210</a>
<b>MONITORING PROBES QC</b>			
MON_PROBE_GENERIC_1 (Certificate Lifetime Probe)	Y	VLD	Regional NAGIOS
MON_PROBE_GENERIC_2 (Service Probe)	Y	VLD	site NAGIOS
MON_PROBE_METADATA_1 (LFC Probes)	Y	VLD	Regional NAGIOS
<b>CLIENT TOOLS QC</b>			
CLIENT_TOOLS_1 (Command line Options coherency)	Optional		
CLIENT_TOOLS_2 (Error Messages)	Optional		

**Validator comments:**

The service seems to work OK

It is in production for some days now, passing SAM/Nagios tests and serving local-lfc ops and several central Ibergrid regional VO's.

**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:**