

Quality Criteria Verification Report

Product	LFC 1.8.8 SL6	Release	1.8.8
Software Provider	EMI	RT Ticket	#7025
Provider contact	Cristina Aiftimiei <crisrina.aiftimiei@pd.infn.it>		
Verifier	Esteban Freire (esfreire@cesga.es)		
Hours worked	3h	Date	21/05/14
Status	Accepted		

Summary

No issues found during verification process.

Related tickets

None

Documentation Criteria

Document	
Release notes	https://svnweb.cern.ch/trac/lcgdm/attachment/wiki/Dpm/DP_M_releasenotes_Mar2014.txt
User Documentation	https://svnweb.cern.ch/trac/lcgdm/wiki/Lfc/User/Tutorial
API Documentation	
Admin Documentation	https://svnweb.cern.ch/trac/lcgdm/wiki/Lfc
Software License	

Generic Criteria

Criteria	Status ¹	Additional Comments
Binary Distribution	OK	
Upgrade	OK	
X.509 Certificate support	OK	
SHA-2 Certificates Support	OK	
RFC Proxy support	OK	
ARGUS Integration	NA	
World Writable Files	NT	Minor release
Passwords in world readable files	NT	Minor release
GlueSchema 1.3 Support	OK	
GlueSchema 2.0 Support	OK	
Middleware Version Information	NT	Minor release

¹OK, WARN, FAIL, NA (Not Applicable) or NT (Not Tested)

Service Probes	OK	
Accounting Records	NA	
Bug Tracking System	OK	

Specific QC

Basic Functionality Test

== Verification of LFC 1.8.8 SL6 ==

=== Ticket assigned ===

* [<https://rt.egi.eu/rt/Ticket/Display.html?id=7025>]

=== Repositories ===

(!) Verifier must install a new repo for each product, this information is available at RT ticket field:

```

{{{
[root@test09 yum.repos.d]# cat EMI.lfc.sl6.x86_64.repo
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) -
(7025,1530,1457)

```

```

[EMI.lfc.sl6.x86_64]
name=EMI.lfc.sl6.x86_64
baseurl=http://admin-repo.egi.eu/sw/unverified/umd-3.emi.lfc.sl6.x86_64/1/8/9/
enabled=1
protect=1
priority=1
gpgcheck=1
gpgkey=http://ftp.fi.muni.cz/pub/linux/fedora/epel/RPM-GPG-KEY-EPEL-6
}}}

```

(!) It was necessary add the DPM SL6 repo:

```

{{{
[root@test09 yum.repos.d]# cat EMI.dpm.sl6.x86_64.repo
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) -
(7012,1525,1452)

```

```

[EMI.dpm.sl6.x86_64]
name=EMI.dpm.sl6.x86_64
baseurl=http://repository.egi.eu/sw/stagerollout/umd-3.emi.dpm.sl6.x86_64/1/
enabled=1
protect=1
priority=1

```

gpgcheck=1
gpgkey=http://ftp.fi.muni.cz/pub/linux/fedora/epel/RPM-GPG-KEY-EPEL-6

}}}

==== Updating (OK) ====

{{{

=====

=====

Package Repository	Arch Size	Version
Updating:		
dmlite-libs	x86_64	0.6.2-2.el6
EMI.dpm.sl6.x86_64	234 k	
dmlite-plugins-adapter	x86_64	0.6.2-2.el6
EMI.dpm.sl6.x86_64	103 k	
dmlite-plugins-mysql	x86_64	0.6.2-2.el6
EMI.dpm.sl6.x86_64	88 k	
dpm-libs	x86_64	1.8.8-4.el6
EMI.dpm.sl6.x86_64	136 k	
emi-lfc_mysql	x86_64	1.8.8-1.el6
EMI.lfc.sl6.x86_64	3.1 k	
lcgdm-dav	x86_64	0.14.1-1.el6
EMI.dpm.sl6.x86_64	18 k	
lcgdm-dav-libs	x86_64	0.14.1-1.el6
EMI.dpm.sl6.x86_64	37 k	
lcgdm-dav-server	x86_64	0.14.1-1.el6
EMI.dpm.sl6.x86_64	80 k	
lcgdm-devel	x86_64	1.8.8-4.el6
EMI.dpm.sl6.x86_64	52 k	
lcgdm-libs	x86_64	1.8.8-4.el6
EMI.dpm.sl6.x86_64	103 k	
lfc	x86_64	1.8.8-4.el6
EMI.lfc.sl6.x86_64	104 k	
lfc-devel	x86_64	1.8.8-4.el6
EMI.lfc.sl6.x86_64	147 k	
lfc-libs	x86_64	1.8.8-4.el6
EMI.lfc.sl6.x86_64	41 k	
lfc-perl	x86_64	1.8.8-4.el6
EMI.lfc.sl6.x86_64	127 k	
lfc-python	x86_64	1.8.8-4.el6
EMI.lfc.sl6.x86_64	246 k	
lfc-server-mysql	x86_64	1.8.8-4.el6
EMI.lfc.sl6.x86_64	115 k	

Transaction Summary

}}}

==== Configuring with YAIM (OK) =====

{{{

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

[....]

```
INFO: Executing function: config_lfc_dli
cp: cannot stat `/etc/sysconfig/lfc-dli.templ': No such file or directory
sed: can't read /etc/sysconfig/lfc-dli: No such file or directory
grep: /etc/sysconfig/lfc-dli: No such file or directory
error reading information on service lfc-dli: No such file or directory
lfc-dli: unrecognized service
error reading information on service lfc-dli: No such file or directory
DEBUG: Skipping function: config_lfc_semsg_setenv because it is not defined
INFO: Executing function: config_lfc_semsg
INFO: LFC_SEMSG set to no. SEMsg will not be configured.
INFO: Configuration Complete. [ OK ]
INFO: YAIM terminated succesfully.
```

}}}

==== Testing =====

* Trying to copy and delete a file on the SE (OK)

{{{

```
[esfreire@test13 ~]$ export LFC_HOST=test09.egi.cesga.es
[esfreire@test13 ~]$ export VO_OPS_DEFAULT_SE=test17.egi.cesga.es
```

```
[esfreire@test13 ~]$ lcg-cr -v --vo ops file:/home/esfreire/test.sh -l
lfn:/dpm/egi.cesga.es/home/ops/my_test62 -d test17.egi.cesga.es
Using grid catalog type: lfc
Using grid catalog : test08.egi.cesga.es
Checksum type: None
SE type: SRMv2
Destination SURL :
srm://test08.egi.cesga.es/dpm/egi.cesga.es/home/ops/generated/2014-02-
05/file071f33a0-fa42-4486-8560-e0d4ccb1aa92
```

Source SRM Request Token: aeafcf3-55f3-4f41-ab5b-a8f9a7c15add
Source URL: file:/home/esfreire/test.sh
File size: 266
VO name: ops
Destination specified: test08.egi.cesga.es
Destination URL for copy:
gsiftp://test08.egi.cesga.es/test08.egi.cesga.es:/storage/ops/2014-02-05/file071f33a0-
fa42-4486-8560-e0d4ccb1aa92.10280.0
streams: 1
0 bytes 0.00 KB/sec avg 0.00 KB/sec inst
266 bytes 2.03 KB/sec avg 2.03 KB/sec inst

Transfer took 1010 ms
Using grid catalog type: lfc
Using grid catalog : test08.egi.cesga.es
Site URL to be registered:
srm://test08.egi.cesga.es/dpm/egi.cesga.es/home/ops/generated/2014-02-
05/file071f33a0-fa42-4486-8560-e0d4ccb1aa92
File size: 266
Using LFN: lfn:/dpm/egi.cesga.es/home/ops/my_test62
Using GUID: guid:3cfaf9e7-cbae-4e74-9e00-9a6b3a1e6829
Registering LFN: /dpm/egi.cesga.es/home/ops/my_test62 (3cfaf9e7-cbae-4e74-9e00-
9a6b3a1e6829)
Registering SURL:
srm://test08.egi.cesga.es/dpm/egi.cesga.es/home/ops/generated/2014-02-
05/file071f33a0-fa42-4486-8560-e0d4ccb1aa92 (3cfaf9e7-cbae-4e74-9e00-
9a6b3a1e6829)
guid:3cfaf9e7-cbae-4e74-9e00-9a6b3a1e6829

}}}
{{{

```
[esfreire@test13 ~]$ lcg-ls -v srm://grid002.ft.uam.es:8443/pnfs/ft.uam.es/data/  
SE type: SRMv2  
/pnfs/ft.uam.es/data/temp  
/pnfs/ft.uam.es/data/users  
/pnfs/ft.uam.es/data/atlas  
/pnfs/ft.uam.es/data/ops  
/pnfs/ft.uam.es/data/dteam  
/pnfs/ft.uam.es/data/ops.vo.ibergrid.eu  
/pnfs/ft.uam.es/data/phys.vo.ibergrid.eu  
}}}
```

```
[[[  
[esfreire@test13 mpi_job_grid_verification]$ lcg-cr -v --vo ops  
file:/home/esfreire/hola.sh -l lfn:/grid/ops/filefgtest -d se2.egi.cesga.es
```

Using grid catalog type: lfc

Using grid catalog : lfc.egi.cesga.es

Checksum type: None

SE type: SRMv2

Destination SURL : srm://se2.egi.cesga.es/dpm/egi.cesga.es/home/ops/generated/2013-06-18/filed8a2015f-2242-4cd1-80d6-e4c5e40aef61

Source SRM Request Token: 92d6e1a3-bfce-4880-b233-4389297702af

Source URL: file:/home/esfreire/hola.sh

File size: 33

VO name: ops

Destination specified: se2.egi.cesga.es

Destination URL for copy:

gsiftp://se2.egi.cesga.es/se2.egi.cesga.es:/mnt/xen01/ops/2013-06-18/filed8a2015f-2242-4cd1-80d6-e4c5e40aef61.8433808.0

streams: 1

0 bytes 0.00 KB/sec avg 0.00 KB/sec inst

33 bytes 0.20 KB/sec avg 0.20 KB/sec inst

Transfer took 1010 ms

Using grid catalog type: lfc

Using grid catalog : lfc.egi.cesga.es

Site URL to be registered:

srm://se2.egi.cesga.es/dpm/egi.cesga.es/home/ops/generated/2013-06-18/filed8a2015f-2242-4cd1-80d6-e4c5e40aef61

File size: 33

Using LFN: lfn:/grid/ops/filefgtest

Using GUID: guid:fecbe484-f12c-4266-be54-f5f66d8156fe

Registering LFN: /grid/ops/filefgtest (fecbe484-f12c-4266-be54-f5f66d8156fe)

Registering SURL: srm://se2.egi.cesga.es/dpm/egi.cesga.es/home/ops/generated/2013-06-18/filed8a2015f-2242-4cd1-80d6-e4c5e40aef61 (fecbe484-f12c-4266-be54-f5f66d8156fe)

guid:fecbe484-f12c-4266-be54-f5f66d8156fe

```
[esfreire@test13 mpi_job_grid_verification]$ lcg-lr --vo ops lfn:/grid/ops/filefgtest
```

```
srm://se2.egi.cesga.es/dpm/egi.cesga.es/home/ops/generated/2014-05-21/filef15a751d-5c60-4e6e-be45-093a784df4b7
```

```
[esfreire@test13 mpi_job_grid_verification]$ lcg-del --vo ops -a lfn:/grid/ops/filefgtest
```

```
[esfreire@test13 mpi_job_grid_verification]$ lcg-lr --vo ops lfn:/grid/ops/filefgtest
```

```
[LFC][lfc_getreplica][] lfc.egi.cesga.es: /grid/ops/filefgtest: No such file or directory
```

```
lcg_lr: No such file or directory
```

```
}}}
```

* Checking the VOMS PROXY INFO (OK)

```
{{{
```

```
[esfreire@test13 ~]$ voms-proxy-info --all
```

```
subject : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM NagiosUser  
managed by Esteban Freire Garcia/CN=proxy
```

```
issuer : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM NagiosUser  
managed by Esteban Freire Garcia
```

```
identity : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM NagiosUser  
managed by Esteban Freire Garcia
```

```
type : full legacy globus proxy
```

```
strength : 1024
```

```
path : /tmp/x509up_u501
```

```
timeleft : 10:24:32
```

```
key usage : Digital Signature, Key Encipherment
```

```
=== VO ops extension information ===
```

```
VO : ops
```

```
subject : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM NagiosUser  
managed by Esteban Freire Garcia
```

```
issuer : /DC=ch/DC=cern/OU=computers/CN=lcg-voms.cern.ch
```

```
attribute : /ops/Role=lcgadmin/Capability=NULL
```

```
attribute : /ops/NGI/Role=NULL/Capability=NULL
```

```
attribute : /ops/NGI/Portugal/Role=NULL/Capability=NULL
```

```
attribute : /ops/NGI/Spain/Role=NULL/Capability=NULL
```

```
attribute : /ops/Role=NULL/Capability=NULL
```

timeleft : 10:24:32
uri : lcg-voms.cern.ch:15009

}}}

{{{
World writable files (OK)

An easy way to find world-writable files is using the find command:

```
find / -type f -perm -002 -exec ls -l {} \;
```

For finding world-writable files in the packages contents:

```
[root@test09 ~]# rpm -qalv | egrep "^[^d]([^-w][-xs]){2}[-r]w"  
drwxrwxrwt 2 root root 0 Jul 20 2011 /tmp  
drwxrwxrwt 2 root root 0 Jul 20 2011 /var/tmp  
}}}
```

New Features/Fixed Bugs

Additional Info
