

Quality Criteria Verification Report

Product	<i>emi.lb.sl5.x86_64</i>	Release	4.0.112
Software Provider	<i>EMI</i>	RT Ticket	#6629
Provider contact	<i>Cristina Aiftimiei <crisrina.aiftimiei@pd.infn.it></i>		
Verifier	<i>Esteban Freire (esfreire@cesga.es)</i>		
Hours worked	<i>6h</i>	Date	28/01/14
Status	Accepted		

Summary

No issues found during verification process.

Related tickets

None

Documentation Criteria

Document	
Release notes	https://github.com/CESNET/glite-lb/wiki/Glite-l%26b-release-page#wiki-Releases in the LB 4x Branch formerly EMI3
User Documentation	http://egee.cesnet.cz/cvsweb/LB/LBUG.pdf
API Documentation	http://egee.cesnet.cz/cvsweb/LB/LBDG.pdf
Admin Documentation	http://egee.cesnet.cz/cvsweb/LB/LBAG.pdf
Software License	http://www.apache.org/licenses/LICENSE-2.0

Generic Criteria

Criteria	Status¹	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	

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

Middleware Version Information	NT	Minor release
Service Probes	OK	
Accounting Records	NA	
Bug Tracking System	OK	

Specific QC

Basic Functionality Test

= L&B testing in WMS and CREAM services =

=== Used Repositories ===

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

```

{{{
[root@test22 yum.repos.d]# cat EMI.lb.sl5.x86_64.repo
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) -
(6629,1448,1374)

```

```

[EMI.lb.sl5.x86_64]
name=EMI.lb.sl5.x86_64
baseurl=http://admin-repo.egi.eu/sw/unverified/umd-3.emi.lb.sl5.x86_64/4/0/112/
enabled=1
protect=1
priority=1
gpgcheck=1
gpgkey=http://emisoft.web.cern.ch/emisoft/dist/EMI/3/RPM-GPG-KEY-emi
}}}

```

=== Updating the WMS + LB ===

```

* yum update
{{{
=====
=====
=====
=====
Package                               Arch          Version
Repository                             Size
=====
=====
Updating:
emi-version                            x86_64        3.7.0-1.el5
EMI.lb.sl5.x86_64                       2.3 k

```

glite-jobid-api-c	x86_64	2.2.11-1.el5
EMI.lb.sl5.x86_64	13 k	
glite-jobid-api-java	noarch	1.3.7-1.el5
EMI.lb.sl5.x86_64	13 k	
glite-lb-client	x86_64	6.0.8-1.el5
EMI.lb.sl5.x86_64	217 k	
glite-lb-client-java	x86_64	2.0.5-1.el5
EMI.lb.sl5.x86_64	96 k	
glite-lb-client-progs	x86_64	6.0.8-1.el5
EMI.lb.sl5.x86_64	115 k	
glite-lb-common	x86_64	9.0.8-1.el5
EMI.lb.sl5.x86_64	121 k	
glite-lb-doc	noarch	1.4.15-1.el5
EMI.lb.sl5.x86_64	1.3 M	
glite-lb-harvester	x86_64	1.3.13-1.el5
EMI.lb.sl5.x86_64	76 k	
glite-lb-logger	x86_64	2.4.21-1.el5
EMI.lb.sl5.x86_64	113 k	
glite-lb-logger-msg	x86_64	1.2.11-1.el5
EMI.lb.sl5.x86_64	31 k	
glite-lb-server	x86_64	3.0.16-1.el5
EMI.lb.sl5.x86_64	712 k	
glite-lb-state-machine	x86_64	2.0.7-1.el5
EMI.lb.sl5.x86_64	30 k	
glite-lb-state-machine-plugins	x86_64	2.0.7-
1.el5	EMI.lb.sl5.x86_64	31 k
glite-lb-utils	x86_64	2.3.9-1.el5
EMI.lb.sl5.x86_64	43 k	
glite-lb-ws-interface	noarch	4.0.7-1.el5
EMI.lb.sl5.x86_64	23 k	
glite-lb-ws-test	x86_64	1.4.9-1.el5
EMI.lb.sl5.x86_64	916 k	
glite-lb-yaim	noarch	4.5.13-1.el5
EMI.lb.sl5.x86_64	18 k	
glite-lbjp-common-db	x86_64	3.2.9-1.el5
EMI.lb.sl5.x86_64	25 k	
glite-lbjp-common-gsoap-plugin	x86_64	
3.2.10-1.el5	EMI.lb.sl5.x86_64	18 k
glite-lbjp-common-gss	x86_64	3.2.14-
1.el5	EMI.lb.sl5.x86_64	24 k
glite-lbjp-common-jp-interface	x86_64	2.3.9-
1.el5	EMI.lb.sl5.x86_64	16 k
glite-lbjp-common-log	x86_64	1.3.9-1.el5
EMI.lb.sl5.x86_64	12 k	
glite-lbjp-common-maildir	x86_64	2.3.9-
1.el5	EMI.lb.sl5.x86_64	13 k
glite-lbjp-common-server-bones	x86_64	2.3.9-
1.el5	EMI.lb.sl5.x86_64	17 k
glite-lbjp-common-trio	x86_64	2.3.11-
1.el5	EMI.lb.sl5.x86_64	32 k

```

glite-yaim-bdii                noarch                4.3.15-1.el5
EMI.lb.sl5.x86_64              11 k
gnupg                          x86_64                1.4.5-
18.el5_10.1                    sl-security            1.8 M
nss                             i386                  3.15.3-4.el5_10
sl-security                    1.2 M
nss                             x86_64                3.15.3-4.el5_10
sl-security                    1.3 M
nss-tools                      x86_64                3.15.3-4.el5_10
sl-security                    753 k
tzdata                        x86_64                2013i-1.el5
sl-security                    770 k
tzdata-java                   x86_64                2013i-1.el5
sl-security                    172 k

```

Transaction Summary

```

=====
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=====
=====

```

}}}

=== Configuring the WMS + LB (OK) ===

```

{{{
/opt/glite/yaim/bin/yaim -c -s site-info.def -n WMS -n LB
}}}
```

=== Updating the CreamCE ===

* yum update

```

{{{
=====
=====
=====
=====

```

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

```

Updating:
emi-version                x86_64                3.7.0-1.el5
EMI.lb.sl5.x86_64          2.3 k
glite-jobid-api-c         x86_64                2.2.11-1.el5
EMI.lb.sl5.x86_64          13 k
glite-jobid-api-java      noarch                1.3.7-1.el5
EMI.lb.sl5.x86_64          13 k
glite-lb-client-java      x86_64                2.0.5-1.el5
EMI.lb.sl5.x86_64          96 k

```

glite-lb-common	x86_64	9.0.8-1.el5
EMI.lb.sl5.x86_64	121 k	
glite-lb-logger	x86_64	2.4.21-1.el5
EMI.lb.sl5.x86_64	113 k	
glite-lbjp-common-gss	x86_64	3.2.14-
1.el5	EMI.lb.sl5.x86_64	24 k
glite-lbjp-common-log	x86_64	1.3.9-1.el5
EMI.lb.sl5.x86_64	12 k	
glite-lbjp-common-trio	x86_64	2.3.11-
1.el5	EMI.lb.sl5.x86_64	32 k
glite-yaim-bdii	noarch	4.3.15-1.el5
EMI.lb.sl5.x86_64	11 k	
gridsite-libs	x86_64	2.2.0-1.el5
EMI.lb.sl5.x86_64	131 k	

Transaction Summary

```

=====
=====
=====
=====
}}}
```

=== Configuring the CreamCE (OK) ===

```

{{{
/opt/glite/yaim/bin/yaim -c -s /opt/glite/yaim/etc/site-info.def -n MPI_CE -n creamCE
-n TORQUE_server -n TORQUE_utils
}}}
```

=== Testing ===

==== Checking the main daemons on the WMS service(OK) ====

```

{{{
root@test22 etc]# /etc/init.d/gLite status

[root@test22 etc]# /etc/init.d/glite-wms-wmproxy status
/usr/bin/glite_wms_wmproxy_server (pid 25859) is running...
}}}
```

==== Checking ldap (OK) ====

```

{{{
[root@ce2 ~]# ldapsearch -x -H ldap://test22.egi.cesga.es:2170 -b o=grid

[root@wms03 ~]# glue-validator -g glue2 -H test22.egi.cesga.es -p 2170 -b o=glue
--exclude-known-issues

[root@ce2 ~]# ldapsearch -x -H ldap://test06.egi.cesga.es:2170 -b o=grid
```

```
[root@wms03 ~]# glue-validator -g glue2 -H test06.egi.cesga.es -p 2170 -b o=glue
--exclude-known-issues
}}}
```

```
== job submission ==
{{{
glite-wms-job-submit -a -o test.job check_bug.jdl
```

```
[esfreire@test13 ~]$ glite-wms-job-status -i test.job
```

```
-----
1 : https://test22.egi.cesga.es:9000/9dAMXyPIOgrHODNi8Y-ArA
2 : https://test22.egi.cesga.es:9000/Qj4DOQtPU-8kX_OiQ9nSoA
a : all
q : quit
-----
```

Choose one or more jobId(s) in the list - [1-2]all:a

```
===== glite-wms-job-status Success
=====
```

BOOKKEEPING INFORMATION:

```
Status info for the Job : https://test22.egi.cesga.es:9000/9dAMXyPIOgrHODNi8Y-ArA
Current Status: Done(Success)
Logged Reason(s):
  - job completed
  - Job Terminated Successfully
Exit code: 0
Status Reason: Job Terminated Successfully
Destination: test31.egi.cesga.es:8443/cream-slurm-test_short
Submitted: Mon Jan 27 17:43:05 2014 CET
```

```
=====
=====
```

```
===== glite-wms-job-status Success
=====
```

BOOKKEEPING INFORMATION:

```
Status info for the Job : https://test22.egi.cesga.es:9000/Qj4DOQtPU-8kX_OiQ9nSoA
Current Status: Done(Success)
Logged Reason(s):
  - job completed
  - Job Terminated Successfully
Exit code: 0
Status Reason: Job Terminated Successfully
Destination: test31.egi.cesga.es:8443/cream-slurm-test_short
```

Submitted: Mon Jan 27 17:43:39 2014 CET

=====
=====

}}}

== Trying to cancel a job (OK) ==

{{{

[esfreire@test13 ~]\$ glite-wms-job-cancel -i test.job

Are you sure you want to remove specified job(s) [y/n]y : y

Connecting to the service https://test22.egi.cesga.es:7443/glite_wms_wmproxy_server

=====
===== glite-wms-job-cancel Success
=====

The cancellation request has been successfully submitted for the following job(s):

- https://test22.egi.cesga.es:9000/hxQvMKj-BDX0cC4Hw4SHqQ

=====
=====

}}}

== trying a RFC proxy ==

{{{

[esfreire@test13 ~]\$ voms-proxy-init -rfc --voms ops:/ops/Role=lcgadmin

Enter GRID pass phrase for this identity:

Contacting lcg-voms.cern.ch:15009 [/DC=ch/DC=cern/OU=computers/CN=lcg-voms.cern.ch] "ops"...

Remote VOMS server contacted successfully.

Created proxy in /tmp/x509up_u501.

Your proxy is valid until Tue Jan 28 05:56:04 CET 2014

[esfreire@test13 ~]\$ rm -rf test.job

[esfreire@test13 ~]\$ glite-wms-job-submit -a -o test.job check_bug.jdl

Connecting to the service https://test22.egi.cesga.es:7443/glite_wms_wmproxy_server

=====
===== glite-wms-job-submit Success
=====

The job has been successfully submitted to the WMPProxy

Your job identifier is:

<https://test22.egi.cesga.es:9000/q7ZIVi5kskojJ6vtAqIvmQ>

The job identifier has been saved in the following file:
/home/esfreire/test.job

=====
=====

```
[esfreire@test13 ~]$ glite-wms-job-status -i test.job
```

```
===== glite-wms-job-status Success  
=====
```

BOOKKEEPING INFORMATION:

Status info for the Job : <https://test22.egi.cesga.es:9000/q7ZIVi5kskojJ6vtAqIvmQ>

Current Status: Done(Success)

Logged Reason(s):

- job completed
- Job Terminated Successfully

Exit code: 0

Status Reason: Job Terminated Successfully

Destination: test31.egi.cesga.es:8443/cream-slurm-test_short

Submitted: Mon Jan 27 17:56:17 2014 CET

=====
=====

}}}

```
== Passing nagios tests OK (Nagios server is already running a SHA-2 robot certificate)  
==
```

{{{

<https://test23.egi.cesga.es/nagios/cgi-bin/status.cgi?host=test22.egi.cesga.es>

<https://test23.egi.cesga.es/nagios/cgi-bin/status.cgi?host=test06.egi.cesga.es>

}}}

```
== World writable files (OK) ==
```

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

{{{

```
rpm -qalv | egrep "^[^-d]([-r][-w][-xs]){2}[-r]w"
```

```
drwxrwxrwt 2 root root 0 Oct 1 01:04 /var/cache/coolkey
```

```
drwxrwxrwt 2 root root 0 Oct 7 2009 /tmp
```



```
drwxrwxrwt 2 root root 0 Oct 7 2009 /var/tmp
drwxrwxrwt 2 root root 0 Oct 1 17:40 /var/cache/coolkey
drwxrwxrwt 2 root root 0 Jun 17 2009 /var/spool/vbox
-rw-rw-rw- 1 root root 0 Oct 8 18:58 /var/run/nscd/socket
drwxrwxrwt 2 condor condor 0 Jun 20 2012 /var/lib/condor/execute
}}}
```

New Features/Fixed Bugs

Additional Info
