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

| Name of the component | LB | | |
|---|---|---|---|
| Release | EMI.lb.sl6.x86_64-3.2.9 | RT Ticket | 4499 |
| Software Provider | EMI | | |
| Release Contact | Name: cristina.aiftimiei@pd.infn.it | E-Mail | cristina.aiftimiei@pd.infn.it |
| | | | |
| Validator | Name: Pablo Briongos | E-Mail | pablo.briongos@ific.uv.es |
| | | | |
| V. Hours Worked | 15h | | |
| Component status | **VERIFIED** | Date | 31ᵗʰ October, 2012 |
| Verification start date | 24ᵗʰ October, 2012 | Verification end date | 24ᵗʰ October, 2012 |

**Summary:**

*This *EMI-2 LB 3.2.9* bugfix release for SL6 was successfully installed
from scratch and configured in a clean Scientific Linux 6.3 (carbon) node, collocated
with WMS 3.4 SL6 release for EMI-2.

*This release is a bugfix release, so bugfixes were tested an checked successfully by TP.

*During the first configuration with YAIM we had a know issue (not resolved yet) related to this old GGUS ticket: *https://ggus.eu/tech/ticket_show.php?ticket=81750*:

[...]
INFO
INFO
Executing function: config_host_certs
Executing function: config_edgusers
groupadd: GID '156' already exists
ERROR Group infosys with gid '156' failed to be created.
ERROR Error when creating a group !
ERROR Error when creating a group !
[...]

It's said in that GGUS ticket: "*A fix for this issue has already been released with EMI-2.*", but it's not true, as you can see. So this issue is not fixed with EMI-2 and should be fixed to automate the configuring process and make it easier. It occurs also in SL5 releases.
As workaround you can modify */opt/glite/yaim/examples/edgusers.conf* and change BDII_USER ID to another ID not used in your system.

*The product works as expected and the functionality is correct in the evaluated areas.

*The basic job registration has been proven to work correctly with the collocated EMI-2 WMS 3.4 release.

*There is a complete test suite for the product.

*The overall qualification of the verification phase is good.


**GGUS Tickets:**


**Summary of Quality Criteria verification**:

|  | Generic Quality Criteria Total (Critical/Non critical) | | | |
|---|---|---|---|---|
|  | Passed | Not passed | Not Applicable | Total |
| **TP** | 1 |  |  | 1 |
| **VLD** | 17 |  | 4 | 21 |
|  | Specific Quality Criteria | | | |
| **TP** |  |  |  |  |
| **VLD** | 3 |  | 2 | 5 |

**Quality Criteria verification cheatsheet:**

**DOCUMENTATION QC**

| | | | |
|---|---|---|---|
| GENERIC_DOC_1 (Functional Description) | Y | VLD | http://egee.cesnet.cz/cvsweb/LB/LBUG.pdf |
| GENERIC_DOC_2 (Release Notes) | Y | VLD | http://www.eu-emi.eu/emi-2-matterhorn/updates/-/asset_publisher/9AgN/content/update-4-23-10-2012-v-2-4-0-1#L_B_v_3_2_9_Task_34085 |
| GENERIC_DOC_3 (User Documentation) | Y | VLD | http://egee.cesnet.cz/cvsweb/LB/LBUG.pdf |
| GENERIC_DOC_4 (Online help (man pages)) | NA | | *Minor release, this QC was already verified.* |
| GENERIC_DOC_5 (API Documentation) | Y | VLD | http://egee.cesnet.cz/cvsweb/LB/LBDG.pdf |
| GENERIC_DOC_6 (Administrator Documentation) | Y | VLD | http://egee.cesnet.cz/cvsweb/LB/LBAG.pdf |
| GENERIC_DOC_7 (Service Reference Card) | Y | VLD | https://twiki.cern.ch/twiki/bin/view/EMI/LBServiceReferenceCard |
| GENERIC_DOC_8 (Software License) | Y | VLD | http://www.apache.org/licenses/LICENSE-2.0.html |
| GENERIC_DOC_9 (Release changes testing) | Y | TP | Reported in: https://twiki.cern.ch/twiki/bin/view/EGEE/TestReportForLBEMI2Update3#Review_of_Linked_Bugs |

**SOFTWARE DISTRIBUTION QC**

| | | | |
|---|---|---|---|
| GENERIC_DIST_1 (Source Code Availability) | Y | VLD | Available in product page |
| GENERIC_DIST_3 (Binary Distribution) | Y | VLD | Available in product page |

**SOFTWARE FEATURES QC**

| | | | |
|---|---|---|---|
| GENERIC_SOFT_1 (Backwards Compatibility) | Y | VLD | |
| GENERIC_SOFT_2 (New features testing) | Y | VLD | View executive summary |

**SERVICE CRITERIA QC**

| | | | |
|---|---|---|---|
| GENERIC_SERVICE_1 (Service control and status) | Y | VLD | Checked with "/etc/init.d/gLite status" |
| GENERIC_SERVICE_2 (Log Files) | Y | VLD | Log located in "/var/log/messages" |
| GENERIC_SERVICE_3 (Service Reliability) | NA | | *Minor release, this QC was already verified.* |
| GENERIC_SERVICE_4 (Service Robustness) | NA | | *Minor release, this QC was already verified.* |
| GENERIC_SERVICE_5 (Automatic Configuration) | Y | VLD | YAIM configuration tool works fine |
| GENERIC_SERVICE_6 (Default Password Configuration) | Y | VLD | |

**SECURITY QC**

| | | | |
|---|---|---|---|
| GENERIC_SEC_1 (World Writable Files) | Y | VLD | Tested with testsuite: org.glite.testsuites.ctb/LB/tests/lb-test-permissions.sh |
| GENERIC_SEC_3 (Passwords in world readable files) | Y | VLD | |

**MISCELLANEOUS QC**

| | | | |
|---|---|---|---|
| GENERIC_MISC_2 (Bug Tracking System) | NA | | *Minor release, this QC was already verified.* |

**AUTHENTICATION QC**

| | | | |
|---|---|---|---|
| AUTHN_IFACE_1 (X.509 Certificate support) | NA | | *Minor release, this QC was already verified.* |

**MONITORING PROBES QC**

| | | | |
|---|---|---|---|
| MON_PROBE_GENERIC_1 (Certificate Lifetime Probe) | NA | | *Minor release, this QC was already verified.* |
| MON_PROBE_GENERIC_2 (Service Probe) | Y | VLD | Tested with testsuite: org.glite.testsuites.ctb/LB/tests/lb-test-nagios-probe.sh |

**CLIENT TOOLS QC**

| | | | |
|---|---|---|---|
| CLIENT_TOOLS_1 (Command lineOptions coherency) | Y | VLD | |
| CLIENT_TOOLS_2 (Error Messages) | Y | VLD | |

**Validator comments:**

*Validation went through without any problem. We performed basic tests for the job cycle.

*The two bugfixes present in this release were certified by TP in:

  *https://twiki.cern.ch/twiki/bin/view/EGEE/TestReportForLBEMI2Update3#Review_of_Linked_Bugs*

*There were problems with *glite-lb-bkserverd* after configuration. It's not shown in *gLite status*:

[root@cg03 ~]# /etc/init.d/gLite status
*** globus-gridftp:
Se está ejecutando globus-gridftp-server (pid 16322)...

*** glite-wms-wmproxy:
/usr/bin/glite_wms_wmproxy_server is running...

*** glite-wms-wm:
/usr/bin/glite-wms-workload_manager (pid 16380) is running...

*** glite-wms-lm:
Logmonitor running...

*** glite-wms-jc:
JobController running in pid: 16464
CondorG master running in pid: 16470
CondorG schedd running in pid: 16494

*** glite-wms-ice:
/usr/bin/glite-wms-ice-safe (pid 19933) is running...

*** glite-proxy-renewald:
glite-proxy-renewd running

*** glite-lb-locallogger:
glite-lb-logd running as 18835
glite-lb-interlogd running as 18875

But it's running:

[root@cg03 ~]# /etc/rc.d/init.d/glite-lb-bkserverd status
glite-lb-notif-interlogd running as 27825
glite-lb-interlogd for proxy running as 27856
glite-lb-bkserverd running as 27775
glite-jp-importer not running (disabled)

So, it must be displayed when you perform *gLite status*. It must be a configuration problem because it's not present in */etc/gLiteservices* file:

[root@cg03 ~]# cat /etc/gLiteservices
/etc/init.d/globus-gridftp
/etc/init.d/glite-wms-wmproxy
/etc/init.d/glite-wms-wm
/etc/init.d/glite-wms-lm
/etc/init.d/glite-wms-jc
/etc/init.d/glite-wms-ice
/etc/init.d/glite-proxy-renewald
*/etc/init.d/glite-lb-locallogger*

**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):**

**Comments for SR (TSA1.3):**

**Comments for DMSU (TSA2.5):**

**Comments for TP:**

*Review GGUS ticket https://ggus.eu/tech/ticket_show.php?ticket=81750. This problem is still remaining with EMI-2.

*Review *glite-lb-bkserverd* problem. It's not show when you perform *gLite status* command.