

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

Name of the component	EMI.wms.sl5.x86_64_3.3.8		
Release	13/09/12	RT Ticket	4343
Software Provider	EMI		
Release Contact	Name:	E-Mail	
	Cristina Aiftimei	cristina.aiftimei@pd.infn.it	
Validator	Name:	E-Mail	
	Pablo Briongos	pablo.briongos@ific.uv.es	
V. Hours Worked	VERIFIED		
Component status	10h	Date	4 th October, 2012
Verification start date	1 th October, 2012	Verification end date	4 th October, 2012

Summary:

*EMI.wms.sl5.x86_64-3.3.8 was successfully upgraded from UMD repository from a previous WMS 3.3.7 version.

*We had a minor problem during upgrade, but installation finished fine:

```
Transaction Check Error:
  file /usr/lib64/libgridsite.so.1 from install of gridsite-libs-1.7.21-3.el5.x86_64
conflicts with file from
package gridsite-shared-1.7.19-1.el5.x86_64
  file /usr/lib64/libgridsite.so.1.7 from install of gridsite-libs-1.7.21-3.el5.x86_64
conflicts with file from
package gridsite-shared-1.7.19-1.el5.x86_64
```

*If we had performed the installation of WMS from scratch, probably we would have got an error during configuration with YAIM related to this GGUS ticket:
https://ggus.eu/tech/ticket_show.php?ticket=81750

```
[...]
INFO Executing function: config_host_certs
INFO 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 the ticket that “*A fix for this issue has already been released with EMI-2.*”, but it's not true, because we have installed and configured recently an EMI-2 VOMS service from scratch and we got this error, so this issue is not fixed with EMI-2.

*As the component is a revision release, we checked only the QC affected by update changes (five bugs fixes) and the results were fine. The *bug #93673: In some circumstances ICE's threads can block*, has not been tested because there's not enough

information on its related savannah ticket and it has not been certified in the EMI test report neither.

GGUS Tickets:

Summary of Quality Criteria verification:

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
TP				
VLD	1	0	25	26
	Specific Quality Criteria			
TP				
VLD	0	0	27	27

Quality Criteria verification cheatsheet:

DOCUMENTATION QC

GENERIC_DOC_1 (Functional Description)	NA		Revision release, this QC was already verified.
GENERIC_DOC_2 (Release Notes)	NA		Revision release, this QC was already verified.
GENERIC_DOC_3 (User Documentation)	NA		Revision release, this QC was already verified.
GENERIC_DOC_4 (Online help (man pages))	NA		Revision release, this QC was already verified.
GENERIC_DOC_5 (API Documentation)	NA		Revision release, this QC was already verified.
GENERIC_DOC_6 (Administrator Documentation)	NA		Revision release, this QC was already verified.
GENERIC_DOC_7 (Service Reference Card)	NA		Revision release, this QC was already verified.
GENERIC_DOC_8 (Software License)	NA		Revision release, this QC was already verified.
GENERIC_DOC_9 (Release changes testing)	NA		Revision release, this QC was already verified.

SOFTWARE DISTRIBUTION QC

GENERIC_DIST_1 (Source Code Availability)	NA		Revision release, this QC was already verified.
GENERIC_DIST_3 (Binary Distribution)	NA		Revision release, this QC was already verified.

SOFTWARE FEATURES QC

GENERIC_SOFT_1 (Backwards Compatibility)	NA		Backwards compatibility is tested and fixes certified.
GENERIC_SOFT_2 (New features testing)	Y	VLD	View executive summary

SERVICE CRITERIA QC

GENERIC_SERVICE_1 (Service control and status)	NA		Revision release, this QC was already verified.
GENERIC_SERVICE_2 (Log Files)	NA		Revision release, this QC was already verified.
GENERIC_SERVICE_3 (Service Reliability)	NA		Revision release, this QC was already verified.
GENERIC_SERVICE_4 (Service Robustness)	NA		Revision release, this QC was already verified.
GENERIC_SERVICE_5 (Automatic Configuration)	NA		Revision release, this QC was already verified.
GENERIC_SERVICE_6 (Default Password Configuration)	NA		Revision release, this QC was already verified.

SECURITY QC

GENERIC_SEC_1 (World Writable Files)	NA		Revision release, this QC was already verified.
GENERIC_SEC_3 (Passwords in world readable files)	NA		Revision release, this QC was already verified.

MISCELLANEOUS QC

GENERIC_MISC_2 (Bug Tracking System)	NA		Revision release, this QC was already verified.
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AUTHENTICATION QC

AUTHN_IFACE_1 (X.509 Certificate support)	NA		Revision release, this QC was already verified.
AUTHN_DELEG_1 (Delegation Interface)	NA		Revision release, this QC was already verified.

AUTHORISATION QC

AUTHZ_PCYDEF_3 (Ban User/FQAN)	NA		Revision release, this QC was already verified.
AUTHZ_PCYDEF_4 (Allowed users definition)	NA		Revision release, this QC was already verified.
AUTHZ_PEP_1 (Policy Enforcement)	NA		Revision release, this QC was already verified.
AUTHZ_PEP_2 (User Mapping)	NA		Revision release, this QC was already verified.

JOB SCHEDULING QC

JOBSCH_IFACE_1 (Job Scheduling Interface)	NA		Revision release, this QC was already verified.
JOBSCH_EXEC_1 (Remote Job Management)	NA		Revision release, this QC was already verified.
JOBSCH_EXEC_2 (Remote Resource Information)	NA		Revision release, this QC was already verified.
JOBSCH_JOB_1 (Simple Job)	NA		Revision release, this QC was already verified.
JOBSCH_JOB_2 (Simple Job with input/output files)	NA		Revision release, this QC was already verified.
JOBSCH_JOB_3 (Cancel Job)	NA		Revision release, this QC was already verified.
JOBSCH_JOB_4 (Parallel Job)	NA		Revision release, this QC was already verified.
JOBSCH_JOB_5 (Job List Match)	NA		Revision release, this QC was already verified.
JOBSCH_JOB_6 (Parametric Job Submission)	NA		Revision release, this QC was already verified.
JOBSCH_JOB_7 (Job Collection Submission)	NA		Revision release, this QC was already verified.
JOBSCH_JOB_8 (DAG Submission)	NA		Revision release, this QC was already verified.
JOBSCH_WMS_1 (Proxy Renewal)	NA		Revision release, this QC was already verified.
JOBSCH_WMS_2 (Job Resubmission)	NA		Revision release, this QC was already verified.
JOBSCH_WMS_3 (JDL Acceptance Limits)	NA		Revision release, this QC was already verified.
JOBSCH_WMS_SEC_1 (Security Advisory 1502)	NA		Revision release, this QC was already verified.
JOBSCH_WMS_BUG_1 (Long Proxy Chain Support)	NA		Revision release, this QC was already verified.
JOBSCH_SERVICE_1 (Error Messages)	NA		Revision release, this QC was already verified.
JOBSCH_SERVICE_2 (Service Information)	NA		Revision release, this QC was already verified.
JOBSCH_SERVICE_3 (Self Disabling Mechanism)	NA		Revision release, this QC was already verified.
JOBSCH_SERVICE_4 (Job Submission Peaks)	NA		Revision release, this QC was already verified.
JOBSCH_SERVICE_5 (Timely Job Status Updates)	NA		Revision release, this QC was already verified.

MONITORING PROBES QC

MON_PROBE_GENERIC_1 (Certificate Lifetime Probe)	NA		Revision release, this QC was already verified.
MON_PROBE_GENERIC_2 (Service Probe)	NA		Revision release, this QC was already verified.
MON_PROBE_JOBSCH_1 (WMS Probes)	NA		Revision release, this QC was already verified.

ACCOUNTING CAPABILITY QC

ACC_JOBSCH_1 (Job Scheduling Appliances Accounting)	NA		Revision release, this QC was already verified.
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CLIENT TOOLS QC

CLIENT_TOOLS_1 (Command lineOptions coherency)	NA		Revision release, this QC was already verified.
CLIENT_TOOLS_2 (Error Messages)	NA		Revision release, this QC was already verified.

Validator comments:

Extra information and logging about the tested bug fixes in this revision release:

-bug #92657: some sensible information should be logged on syslog

We submit a job:

```
[root@cg08 bin]# tail -f /var/log/messages|egrep "wmpoxy|manager"
```

```
Oct 3 12:17:25 cg08 glite_wms_wmproxy_server[22864]: submission from cg02.ific.uv.es,
DN=/DC=es/DC=irisgrid/O=ific/CN=Pablo.Briongos,
FQAN=/ops.vo.ibergrid.eu/Role=NULL/Capability=NULL, userid=170008 for
jobid=https://cg07.ific.uv.es:9000/1wL4DQdTgJ00kK6KpyS84Q
```

```
Oct 3 12:17:27 cg08 glite-wms-workload_manager: jobid
https://cg07.ific.uv.es:9000/1wL4DQdTgJ00kK6KpyS84Q was matched to destination
ce01.up.pt:8443/cream-pbs-opsibergrid
```

-bug #92742: submission to ARC broken again

```
-bash-3.2$ lcg-infosites --is egee-bdii.cnaf.infn.it --vo cms ce | grep arc
```

```
60      0      1      6      1      arc.univ.kiev.ua:2811/nordugrid-torque-arc
```

```
768     314     1219    454     765     jade-cms.hip.fi:2811/nordugrid-GE-arc
```

```
-bash-3.2$ glite-wms-job-submit -a -r jade-cms.hip.fi:2811/nordugrid-GE-arc hello_world.jdl
```

```
Connecting to the service https://cg08.ific.uv.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://cg07.ific.uv.es:9000/aS8RvaZkmvR2o7BvGsSLSg

```
-bash-3.2$ glite-wms-job-status https://cg07.ific.uv.es:9000/aS8RvaZkmvR2o7BvGsSLSg
```

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

BOOKKEEPING INFORMATION:

Status info for the Job : https://cg07.ific.uv.es:9000/aS8RvaZkmvR2o7BvGsSLSg

Current Status: Done (Success)
Exit code: 0
Status Reason: Job terminated successfully
Destination: jade-cms.hip.fi:2811/nordugrid-GE-arc

Submitted: Wed Oct 3 12:23:14 2012 CEST

-bug #92922: EMI-1 WMS does not propagate user job exit code

```
-bash-3.2$ cat touch.jdl
```

```
[  
Executable = "/bin/touch" ;  
Arguments = "/foo" ;  
Retrycount = 2;  
usertags = [ exe = "touch" ];  
requirements = ! RegExp("cream.*", other.GlueCEUniqueID);  
]
```

```
-bash-3.2$ glite-wms-job-status https://cg07.ific.uv.es:9000/aCJmcrqyQB68XofwIKiBLw
```

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

BOOKKEEPING INFORMATION:

Status info for the Job : <https://cg07.ific.uv.es:9000/aCJmcrqyQB68XofwIKiBLw>

Current Status: Done (Exit Code !=0)

Exit code: 1

Status Reason: Job Terminated Successfully

Destination: ce05.ific.uv.es:8443/cream-pbs-short

Submitted: Wed Oct 3 13:31:52 2012 CEST

=====

**-bug #92924: Condor gridmanager keeps crashing on wrong assertions
about some ldap attributes ordering**

-bash-3.2\$ glite-wms-job-submit -d \$USER hello_world.jdl

Connecting to the service https://cg08.ific.uv.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://cg07.ific.uv.es:9000/OcrtIUXF34I4VljwxIFhlg>

[root@cg08 bin]# grep STARTING /var/local/condor/log/GridmanagerLog.glite |tail

10/03 02:55:16 ** condor_gridmanager (CONDOR_GRIDMANAGER) STARTING UP

10/03 03:55:18 ** condor_gridmanager (CONDOR_GRIDMANAGER) STARTING UP

10/03 04:55:12 ** condor_gridmanager (CONDOR_GRIDMANAGER) STARTING UP

10/03 05:55:14 ** condor_gridmanager (CONDOR_GRIDMANAGER) STARTING UP

10/03 06:55:12 ** condor_gridmanager (CONDOR_GRIDMANAGER) STARTING UP

```
10/03 07:55:12 ** condor_gridmanager (CONDOR_GRIDMANAGER) STARTING UP
10/03 08:55:13 ** condor_gridmanager (CONDOR_GRIDMANAGER) STARTING UP
10/03 09:55:12 ** condor_gridmanager (CONDOR_GRIDMANAGER) STARTING UP
10/03 11:43:25 ** condor_gridmanager (CONDOR_GRIDMANAGER) STARTING UP
10/03 12:23:17 ** condor_gridmanager (CONDOR_GRIDMANAGER) STARTING UP
```

```
[root@cg08 bin]# locate grid_monitor.sh|xargs ls -lu
```

```
-rwxr-xr-x 1 root root 42728 jun  6 17:44 /opt/condor-7.4.2/libexec/glite/grid_monitor.sh
```

```
-rwxr-xr-x 1 root root 41918 oct  3 12:43 /opt/condor-7.4.2/sbin/grid_monitor.sh
```

```
lrwxrwxrwx 1 root root  29 sep 26 12:46 /usr/sbin/grid_monitor.sh -> /opt/lcg/sbin/grid_monitor.sh
```

```
[root@cg08 bin]# date
```

```
mié oct  3 13:41:02 CEST 2012
```

-bug #93673: In some circumstances ICE's threads can block

Fix not certified yet in:

https://wiki.italiangrid.it/twiki/bin/view/IGIRelease/WMSTask27731#bug_93673_In_some_circumstances

Not tested. Not enough information in related savannah ticket.

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.

*The bug <https://savannah.cern.ch/bugs/?93673> is not certified yet.