

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

Name of the component	WMS		
Release	EMI.wms.sl5.x86_64-3.3.7	RT Ticket	#4249
Software Provider	EMI		
Release Contact	Name:	E-Mail	
	Cristina Aiftimei	cristina.aiftimei@pd.infn.it	
Validator	Name:	E-Mail	
	Esteban Freire García	esfreire@cesga.es	
V. Hours Worked	10h		
Component status	Accepted	Date	21/08/12
Verification start date	21/08/12	Verification end date	24/08/12

Summary of Quality Criteria verification:

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
TP				
VLD	12	0	0	12
	Specific Quality Criteria			
TP				
VLD	21	0	0	21

Summary:

EMI.wms.sl5.x86_64-3.3.7 was updated without any important issue. However, it was open the GGUS ticket #85409 because if the UI UMD-1 is not updated to the last version from UMD/OS repositories, it will fails with jobs which have a “executable” name defined in their JDL with more than 14 characters. It can be found a complete report about it on the .GGUS ticket #85409. After updating the UI UMD-1 to to the last version on production from UMD-1 and OS repositories, and the issue is solved.

GGUS Tickets:

https://ggus.eu/tech/ticket_show.php?ticket=85409

It will be commented comments for the **TP**.

Quality Criteria verification cheatsheet:

Criteria	Accept	Tested	Comments
DOCUMENTATION QC			
GENERIC_DOC_1 (Functional Description)	Y	VLD	http://web.infn.it/gLiteWMS/images/WMS/Docs/wmproxy-guide.pdf
GENERIC_DOC_2 (Release Notes)	Y	VLD	
GENERIC_DOC_3 (User Documentation)	Optional		
GENERIC_DOC_4 (Online help (man pages))	Optional		
GENERIC_DOC_5 (API Documentation)	Optional		
GENERIC_DOC_6 (Administrator Documentat	Y	VLD	http://web.infn.it/gLiteWMS/images/WMS/Docs/wmproxy-guide.pdf
GENERIC_DOC_7 (Service Reference Card)	Y	VLD	http://web.infn.it/gLiteWMS/images/WMS/Docs/wmproxy-guide.pdf
GENERIC_DOC_8 (Software License)	Y	VLD	http://web.infn.it/gLiteWMS/images/WMS/Docs/wmproxy-guide.pdf
GENERIC_DOC_9 (Release changes testing)			
SOFTWARE DISTRIBUTION QC			
GENERIC_DIST_1 (Source Code Availability)			
GENERIC_DIST_3 (Binary Distribution)			
SOFTWARE FEATURES QC			
GENERIC_SOFT_1 (Backwards Compatibility)			
GENERIC_SOFT_2 (New features testing)			
SERVICE CRITERIA QC			
GENERIC_SERVICE_1 (Service control and s	Y	VLD	Read ex summary
GENERIC_SERVICE_2 (Log Files)	Y	VLD	Read ex summary
GENERIC_SERVICE_3 (Service Reliability)	Y	VLD	Read ex summary
GENERIC_SERVICE_4 (Service Robustness)	Y	VLD	Read ex summary
GENERIC_SERVICE_5 (Automatic Configurat	Y	VLD	Read ex summary
GENERIC_SERVICE_6 (Default Password Cd			
SECURITY QC			
GENERIC_SEC_1 (World Writable Files)	Y	VLD	Read ex summary
GENERIC_SEC_3 (Passwords in world readat	Y	VLD	Read ex summary
MISCELLANEOUS QC			
GENERIC_MISC_2 (Bug Tracking System)			
AUTHENTICATION QC			
AUTHN_IFACE_1 (X.509 Certificate support)	Y	VLD	Read ex summary
AUTHN_DELEG_1 (Delegation Interface)	Y	VLD	Read ex summary
AUTHORISATION QC			
AUTHZ_PCYDEF_3 (Ban User/FQAN)			
AUTHZ_PCYDEF_4 (Allowed users definition)	Y	VLD	Read ex summary
AUTHZ_PEP_1 (Policy Enforcement)	Y	VLD	Read ex summary
AUTHZ_PEP_2 (User Mapping)	Y	VLD	Read ex summary
JOB SCHEDULING QC			
JOBSCH_IFACE_1 (Job Scheduling Interface)	Y	VLD	Read ex summary
JOBSCH_EXEC_1 (Remote Job Management)	Y	VLD	Read ex summary
JOBSCH_EXEC_2 (Remote Resource Informa	Y	VLD	Read ex summary
JOBSCH_JOB_1 (Simple Job)	Y	VLD	Read ex summary
JOBSCH_JOB_2 (Simple Job with input/output	Y	VLD	Read ex summary
JOBSCH_JOB_3 (Cancel Job)	Y	VLD	Read ex summary
JOBSCH_JOB_4 (Parallel Job)	Optional		
JOBSCH_JOB_5 (Job List Match)	Y	VLD	Read ex summary
JOBSCH_JOB_6 (Parametric Job Submission)	Optional		
JOBSCH_JOB_7 (Job Collection Submission)	Optional		
JOBSCH_JOB_8 (DAG Submission)	Optional		
JOBSCH_WMS_1 (Proxy Renewal)	Y	VLD	Read ex summary
JOBSCH_WMS_2 (Job Resubmission)	Optional		
JOBSCH_WMS_3 (JDL Acceptance Limits)	Optional		
JOBSCH_WMS_SEC_1 (Security Advisory 15			
JOBSCH_WMS_BUG_1 (Long Proxy Chain S			
JOBSCH_SERVICE_1 (Error Messages)	Optional		
JOBSCH_SERVICE_2 (Service Information)	Optional		
JOBSCH_SERVICE_3 (Self Disabling Mechar	Optional		
JOBSCH_SERVICE_4 (Job Submission Peak	Optional		
JOBSCH_SERVICE_5 (Timely Job Status Up	Optional		
MONITORING PROBES QC			
MON_PROBE_GENERIC_1 (Certificate Lifetim	Optional		
MON_PROBE_GENERIC_2 (Service Probe)	Optional		
MON_PROBE_JOBSCH_1 (WMS Probes)	Y	VLD	Read ex summary
ACCOUNTING CAPABILITY QC			
ACC_JOBSCH_1 (Job Scheduling Appliances)	Optional		
CLIENT TOOLS QC			
CLIENT_TOOLS_1 (Command lineOptions co	Optional		
CLIENT_TOOLS_2 (Error Messages)	Optional		

Validator comments:

We did an update from the previous version EMI.wms.sl5.x86_64-3.3.6 to the last version using the EMI.wms.sl5.x86_64-3.3.7 UMD repository without any relevant issue.

=== Used Repositories ===

{{{

```
[root@wms01 yum.repos.d]# cat EMI.wms.sl5.x86_64.repo
```

```
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) -  
(4249,672,598)
```

```
[EMI.wms.sl5.x86_64]
```

```
name=EMI.wms.sl5.x86_64
```

```
baseurl=http://admin-repo.egi.eu/sw/unverified/umd-1.emi.wms.sl5.x86_64/3/3/7/
```

```
enabled=1
```

```
protect=1
```

```
priority=1
```

```
gpgcheck=1
```

```
gpgkey=http://emisoft.web.cern.ch/emisoft/dist/EMI/1/RPM-GPG-KEY-emi
```

```
}}}
```

=== Updating (OK) ===

```
* yum update
```

```
{{{
```

=====

Package Repository	Arch Size	Version
-----------------------	--------------	---------

=====

Installing:

gridsite-apache 1.e15	x86_64 UMD-1-updates	1.7.19- 70 k
--------------------------	-------------------------	-----------------

replacing gridsite.x86_64 1.7.21-3.e15

Updating:

glite-wms-ice 4.sl5	x86_64 EMI.wms.sl5.x86_64	3.3.5- 10 M
globus-common 1.e15	x86_64 EMI.wms.sl5.x86_64	14.6- 132 k
globus-gsi-callback 1.e15	x86_64 EMI.wms.sl5.x86_64	4.2- 42 k
globus-gsi-sysconfig 1.e15	x86_64 EMI.wms.sl5.x86_64	5.2- 30 k
globus-gss-assist 1.e15	x86_64 EMI.wms.sl5.x86_64	8.5- 35 k
globus-gssapi-gsi 1.e15	x86_64 EMI.wms.sl5.x86_64	10.6- 62 k

Transaction Summary

=====

}}}

=== Reconfiguring with YAIM (OK) ===

{{{

[root@wms01 etc]# /opt/glite/yaim/bin/yaim -c -s /opt/glite/yaim/etc/site-info.def -n
WMS -n LB

WARNING:

WARNING:

WARNING: Your siteinfo directory is world readable. This is generally a bad idea

WARNING: as configuration files may contain passwords and other sensitive information.

WARNING:

WARNING:

INFO: Using site configuration file: /opt/glite/yaim/etc/site-info.def

INFO:

#

. /'-. ')
. yA,-"-,(,m,:/) .oo. oo o ooo o. .oo
. / .-Y a a Y-. 8. .8' 8'8. 8 8b d'8
. / ~~/ 8' .8oo88. 8 8 8' 8
. (/ '====' 8 .8' 8. 8 8 Y 8

```
. Y,-",Yy,-,./      o8o o8o  o88o o8o o8o  o8o
.  I))_)I))_)
```

current working directory: /opt/glite/yaim/etc

site-info.def date: Aug 20 10:55 /opt/glite/yaim/etc/site-info.def

yaim command: -c -s /opt/glite/yaim/etc/site-info.def -n WMS -n LB

log file: /opt/glite/yaim/bin/./log/yaimlog

Tue Aug 21 12:40:55 CEST 2012 : /opt/glite/yaim/bin/yaim

Installed YAIM versions:

glite-lb-yaim 4.3.9-1

glite-yaim-bdii 4.3.9-1

glite-yaim-core 5.0.2-1

glite-yaim-wms 4.1.5-1

```
#####
##
```

INFO: The default location of the grid-env.(c)sh files will be: /usr/libexec

INFO: Sourcing the utilities in /opt/glite/yaim/functions/utils

INFO: Detecting environment

INFO: Executing function: config_add_pool_env_check

INFO: Executing function: config_host_certs_check

INFO: Executing function: config_lcgenv_check

INFO: Executing function: config_edgusers_check

INFO: Executing function: config_users_check

INFO: Executing function: config_vomsmmap_check
INFO: Executing function: config_vommdir_check
INFO: Executing function: config_vomses_check
INFO: Executing function: config_gip_wms_check
INFO: Executing function: config_info_service_wms_check
INFO: Executing function: config_globus_gridftp_check
INFO: Executing function: config_lcas_lcmapi_gt4_check
INFO: Executing function: config_condor_wms_check
INFO: Executing function: config_glite_wms_check
INFO: Executing function: config_gliteservices_wms_check
INFO: Executing function: config_cron_wms_check
INFO: Executing function: config_glite_lb_check
INFO: Executing function: config_glite_locallogger_check
INFO: Executing function: config_bdii_5.2_check
INFO: Executing function: config_info_service_lb_check
INFO: Executing function: config_add_pool_env_setenv
INFO: Executing function: config_add_pool_env
INFO: Executing function: config_crl
INFO: Now updating the CRLs - this may take a few minutes...

Enabling periodic fetch-crl: [OK]

INFO: Executing function: config_host_certs
INFO: Executing function: config_lcgenv
INFO: Executing function: config_edgusers
INFO: Executing function: config_users
INFO: Executing function: config_vomsmmap_setenv

INFO: Executing function: config_vomsmmap

INFO: Creating grid-map directory in /etc/grid-security/gridmapdir

INFO: Creating voms grid-map file in /etc/grid-security/voms-grid-mapfile

INFO: Creating voms groupmap file in /etc/grid-security/groupmapfile

INFO: Copying the /etc/grid-security/voms-grid-mapfile in the standard location /etc/grid-security/grid-mapfile

INFO: Executing function: config_vommdir_setenv

INFO: Executing function: config_vommdir

INFO: Executing function: config_vomses

INFO: Executing function: config_gip_wms

INFO: Executing function: config_info_service_wms_setenv

INFO: Executing function: config_info_service_wms

INFO: Executing function: config_globus_gridftp_setenv

INFO: Executing function: config_globus_gridftp

INFO: Starting gridftp service :

Stopping globus-gridftp-server: [FAILED]

Starting globus-gridftp-server: [OK]

INFO: Executing function: config_lcas_lcmmaps_gt4_setenv

INFO: Executing function: config_lcas_lcmmaps_gt4

INFO: Creating LCAS_DB_FILE in /etc/lcas/lcas.db

INFO: Creating LCMAPS_DB_FILE in /etc/lcmmaps/lcmmaps.db.gridftp

INFO: Executing function: config_condor_wms_setenv

INFO: Executing function: config_condor_wms

INFO: Executing function: config_glite_wms_setenv

INFO: Executing function: config_glite_wms

INFO: config_glite_wms: Configuration file
INFO: config_glite_wms: Creating /etc/glite-wms/glite_wms.conf ...
WARNING: /usr/sbin/glite_wms_wmproxy_load_monitor found
Your identity: /DC=es/DC=irisgrid/O=cesga/CN=host/wms01.egi.cesga.es
Creating proxy Done
Your proxy is valid until: Wed Aug 22 12:41:56 2012
INFO: Executing function: config_gliteservices_wms_setenv
INFO: Executing function: config_gliteservices_wms
Stopping globus-gridftp-server: [OK]
Starting globus-gridftp-server: [OK]
stopping workload manager... ok (was not running)
starting workload manager... Create jobdir queue object.
ok
Restarting JobController daemon(s)
Stopping JobController... JobController not running!
Stopping CondorG... CondorG not running!
Starting JobController... [OK]
Starting CondorG... [OK]
Stopping LogMonitor... LogMonitor not running!
Starting LogMonitor... [OK]
starting ICE... glite-proxy-renewd: no process killed
ok
Stopping ProxyRenewal Daemon: glite-proxy-renewd ... done
Starting ProxyRenewal Daemon: glite-proxy-renewd ... done
Error: Can't find address for schedd wms01.egi.cesga.es

Extra Info: You probably saw this error because the condor_schedd is not running on the machine you are trying to query. If the condor_schedd is not running, the Condor system will not be able to find an address and port to connect to and satisfy this request. Please make sure the Condor daemons are running and try again.

Extra Info: If the condor_schedd is running on the machine you are trying to query and you still see the error, the most likely cause is that you have setup a personal Condor, you have not defined SCHEDD_NAME in your condor_config file, and something is wrong with your SCHEDD_ADDRESS_FILE setting. You must define either or both of those settings in your config file, or you must use the -name option to condor_q. Please see the Condor manual for details on SCHEDD_NAME and SCHEDD_ADDRESS_FILE.

httpd not running, trying to start

httpd not running, trying to start

Starting Condor-C Launcher

condor_q failed!

Skipping Condor-C Launcher

Starting Condor-C Advertiser

condorc-advertiser already submitted!

Skipping Condor-C Advertiser

Starting Condor-C Authorizer

condorc-authorizer already submitted!

Skipping Condor-C Authorizer

Starting Condor-C VO Advertiser

condorc-vo-advertiser already submitted!

Skipping Condor-C VO Advertiser

INFO: Executing function: config_cron_wms_setenv

INFO: Executing function: config_cron_wms

INFO: Executing function: config_glite_lb_setenv

INFO: Executing function: config_glite_lb

INFO: Configuring nodes [WMS LB], using L&B mode: both

WARNING: Database lbserver20 already exists

Warning: MySQL library version mismatch (compiled '50077', runtime '50095')

glite-lb-notif-interlogd not running

glite-lb-bkserverd not running

glite-jp-importer not running

glite-lb-interlogd not running

Starting glite-lb-bkserver ... done

Starting glite-lb-notif-interlogd ... done

Starting glite-lb-interlog for proxy ... done

INFO: Executing function: config_glite_locallogger_setenv

INFO: Executing function: config_glite_locallogger

INFO: The workaround for bug 22389 already exists

Stopping glite-lb-logd ... not running

Stopping glite-lb-interlogd ... not running

Starting glite-lb-logd ... This is LocalLogger, part of Workload Management System in EU DataGrid & EGEE.

done

Starting glite-lb-interlogd ... done

INFO: Executing function: config_bdii_5.2

Stopping BDII update process: [OK]

Stopping BDII slapd: [OK]

Starting BDII slapd: [OK]

Starting BDII update process: [OK]

INFO: Executing function: config_glite_initd

INFO: Executing function: config_info_service_lb_setenv

INFO: Executing function: config_info_service_lb

INFO: Configuration Complete. [OK]

INFO: YAIM terminated succesfully.

}}}

=== Checking ldap (OK) ===

{{{

```
[root@se2 ~]# ldapsearch -x -H ldap://wms01.egi.cesga.es:2170 -b o=grid | wc -l
```

161

```
[root@se2 ~]# ldapsearch -x -H ldap://sitebdii.egi.cesga.es:2170 -b o=grid | grep wms01.egi | wc -l
```

22

```
[root@se2 ~]# ldapsearch -x -H ldap://topbdii.core.ibergrid.eu:2170 -b o=grid | grep wms01.egi.cesga.es
```

```
# wms01.egi.cesga.es_org.glite.lb.Server_2310828617, CESGA, local, grid
```

dn: GlueServiceUniqueID=wms01.egi.cesga.es_org.glite.lb.Server_2310828617,Mds-
GlueServiceUniqueID: wms01.egi.cesga.es_org.glite.lb.Server_2310828617
GlueServiceEndpoint: https://wms01.egi.cesga.es:9003/
wms01.egi.cesga.es_org.glite.wms.WMProxy_2889124525, CESGA, local, grid
dn:
GlueServiceUniqueID=wms01.egi.cesga.es_org.glite.wms.WMProxy_2889124525,Md
GlueServiceUniqueID: wms01.egi.cesga.es_org.glite.wms.WMProxy_2889124525
GlueServiceEndpoint: https://wms01.egi.cesga.es:7443/glite_wms_wmproxy_server
DN, wms01.egi.cesga.es_org.glite.wms.WMProxy_2889124525, CESGA, local, grid
dn:
GlueServiceDataKey=DN,GlueServiceUniqueID=wms01.egi.cesga.es_org.glite.wms
GlueChunkKey:
GlueServiceUniqueID=wms01.egi.cesga.es_org.glite.wms.WMProxy_288
GlueServiceDataValue: /DC=es/DC=irisgrid/O=cesga/CN=host/wms01.egi.cesga.es
glite-info-service_version, wms01.egi.cesga.es_org.glite.lb.Server_23108286
GlueChunkKey: GlueServiceUniqueID=wms01.egi.cesga.es_org.glite.lb.Server_23108
glite-info-service_hostname, wms01.egi.cesga.es_org.glite.lb.Server_2310828
GlueChunkKey: GlueServiceUniqueID=wms01.egi.cesga.es_org.glite.lb.Server_23108
GlueServiceDataValue: wms01.egi.cesga.es
glite-info-service_version, wms01.egi.cesga.es_org.glite.wms.WMProxy_288912
GlueChunkKey:
GlueServiceUniqueID=wms01.egi.cesga.es_org.glite.wms.WMProxy_288
glite-info-service_hostname, wms01.egi.cesga.es_org.glite.wms.WMProxy_28891
GlueChunkKey:
GlueServiceUniqueID=wms01.egi.cesga.es_org.glite.wms.WMProxy_288
GlueServiceDataValue: wms01.egi.cesga.es
}}}

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

{

[esfreire@ui ~]\$ glite-wms-job-list-match -a lanzar_gromacs.jdl

Connecting to the service https://wms01.egi.cesga.es:7443/glite_wms_wmproxy_server

=====

COMPUTING ELEMENT IDs LIST

The following CE(s) matching your job requirements have been found:

CEId

- cream.egi.cesga.es:8443/cream-sge-GRIDEGI_small

=====

}

{

{

[esfreire@ui ~]\$ cat lanzar_gromacs.jdl

[

Executable = "test2_gromacs.sh";

```
StdOutput = "test_gromacs.out";

StdError = "test_gromacs.err";

InputSandbox = {"test2_gromacs.sh","job_gromacs_dir.tar.gz"};

OutputSandbox =
{"test_gromacs.out","test_gromacs.err","job_gromacs_dir_output.tar.gz"};

Requirements = other.GlueCEUniqueID == "cream.egi.cesga.es:8443/cream-sge-
GRIDEGI_small"

##VirtualOrganisation = "ops.vo.ibergrid.eu";

##Requirements = (RegExp("cream.egi.cesga.es",other.GlueCEUniqueID));

]
```

```
[esfreire@ui ~]$ glite-wms-job-status -i gromacs.job
```

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

BOOKKEEPING INFORMATION:

Status info for the Job : <https://wms01.egee.cesga.es:9000/Tn2HlbDx8ZXaghEMBLW-bQ>

Current Status: Done (Success)

Logged Reason(s):

- job completed
- Job Terminated Successfully

Exit code: 0

Status Reason: Job Terminated Successfully

Destination: cream.egi.cesga.es:8443/cream-sge-GRIDEGI_small

Submitted: Thu Aug 23 13:50:52 2012 CEST

=====

}}}

* Issue found, open GGUS ticket https://ggus.eu/tech/ticket_show.php?ticket=85409

* Here is the example:

{{{

If I submit a job which executable name is more than 14 characters (test2gromacs.sh) it remains in "running" status, because when the job enters in the running is not able to download the executable because the WMS truncated the value for the directive "Executable" in the JDL to 14 characters, so it is not able to download the executable because it is saved in the directory INPUT in the WMS with a wrong name (test2gromacs.s instead test2gromacs.sh). Here goes the example:

}}

{{{

```
[esfreire@ui ~]$ cat lanzar_gromacs.jdl
```

```
[
```

```
Executable = "test2gromacs.sh";
```

```
StdOutput = "test_gromacs.out";
```

```
StdError = "test_gromacs.err";
```

```
InputSandbox = {"test2gromacs.sh","job_gromacs_dir.tar.gz"};
```

```
OutputSandbox =
```

```
{"test_gromacs.out","test_gromacs.err","job_gromacs_dir_output.tar.gz"};
```



```
Requirements = other.GlueCEUniqueID == "cream.egi.cesga.es:8443/cream-sge-GRIDEGI_small"
```

```
##VirtualOrganisation = "ops.vo.ibergrid.eu";
```

```
##Requirements = (RegExp("cream.egi.cesga.es",other.GlueCEUniqueID));
```

```
]
```

```
[esfreire@ui ~]$ glite-wms-job-status -i gromacs.job
```

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

BOOKKEEPING INFORMATION:

Status info for the Job : <https://wms01.egi.cesga.es:9000/dfAUCR0Givgt58j5Vam6ug>

Current Status: Running

Status Reason: unavailable

Destination: cream.egi.cesga.es:8443/cream-sge-GRIDEGI_small

Submitted: Tue Aug 21 14:34:16 2012 CEST

```
=====
```

```
}}}
```

* Having a look on the WN:

```
{{{
```

```
[root@compute-5-3 ~]# ps auxf | grep dteam
```

```

root 17616 0.0 0.0 103240 816 pts/0 S+ 14:35 0:00 \_ grep dteam

dteam018 17391 0.0 0.0 108328 1636 ? Ss 14:35 0:00 \_ -bash
/opt/cesga/sge6.2u5/default/spool/compute-5-2/job_scripts/7572976

dteam018 17422 0.0 0.0 106376 1628 ? S 14:35 0:00 \_ /bin/sh -l
./CREAM886373607_jobWrapper.sh
UI=000000:NS=0000000004:WM=000059:BH=0000000000:JSS=000020:LM=000110
:LRMS=000000:APP=000000:LBS=000000

dteam018 17613 0.0 0.0 106376 844 ? S 14:35 0:00 \_ /bin/sh -l
./CREAM098417196_jobWrapper.sh
UI=000000:NS=0000000004:WM=000059:BH=0000000000:JSS=000020:LM=000110
:LRMS=000000:APP=000000:LBS=000000

dteam018 17614 1.0 0.0 90032 4804 ? S 14:35 0:00 \_
/opt/cesga/cream-umd1/glite/bin/glite-lb-logevent --jobid
https://wms01.egi.cesga.es:9000/F-OKH6Kfqc0iBpMkJfkJwg --source LRMS
--sequence
UI=000000:NS=0000000004:WM=000059:BH=0000000000:JSS=000020:LM=000110
:LRMS=000002:APP=000000:LBS=000000 --event Done --reason Cannot move ISB
(retry_copy ${globus_transfer_cmd})
gsiftp://wms01.egi.cesga.es:2811/var/SandboxDir/F-/https_3a_2f_2fwms01.egi.cesga.es
_3a9000_2fF-OKH6Kfqc0iBpMkJfkJwg/input/test2gromacs.sh
file:///mnt/EMC/Grid_se-
home_grid/dteam018/home_cream_098417196/CREAM098417196/test2gromacs.sh): ?
error: globus_ftp_client: the server responded with an error?500 500-Command failed. :
globus_1_gfs_file_open failed.??500-globus_xio: Unable to open file
/var/SandboxDir/F-/https_3a_2f_2fwms01.egi.cesga.es_3a9000_2fF-
OKH6Kfqc0iBpMkJfkJwg/input/test2gromacs.sh??500-globus_xio: System error in
open: No such file or directory??500-globus_xio: A system call failed: No such file or
directory??500 End.? --status_code FAILED --exit_code 1

}}}}

```

(!) Going to the directory

/var/SandboxDir/F-/https_3a_2f_2fwms01.egi.cesga.es_3a9000_2fF-OKH6Kfqc0iBpMkJfkJwg/input/ on the WMS, I can see that the file was saved with the following name "test2gromacs.s" instead of "test2gromacs.sh" (the correct one).

However, if a submit a job which executable name has just 14 characters (testgromacs.sh) it finish ok:

```
{{{  
[esfreire@ui ~]$ cat lanzar_gromacs.jdl  
  
[  
Executable = "testgromacs.sh";  
StdOutput = "test_gromacs.out";  
StdError = "test_gromacs.err";  
InputSandbox = {"testgromacs.sh","job_gromacs_dir.tar.gz"};  
OutputSandbox =  
{"test_gromacs.out","test_gromacs.err","job_gromacs_dir_output.tar.gz"};  
Requirements = other.GlueCEUniqueID == "cream.egi.cesga.es:8443/cream-sge-  
GRIDEGI_small"  
##VirtualOrganisation = "ops.vo.ibergrid.eu";  
##Requirements = (RegExp("cream.egi.cesga.es",other.GlueCEUniqueID));  
]
```

```
[esfreire@ui ~]$ glite-wms-job-status -i gromacs.job
```

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

BOOKKEEPING INFORMATION:

Status info for the Job : https://wms01.egi.cesga.es:9000/RRe_IiGCUrzi06p7vgA8ZA

Current Status: Done (Success)

Logged Reason(s):

- job completed
- Job Terminated Successfully

Exit code: 0

Status Reason: Job Terminated Successfully

Destination: cream.egi.cesga.es:8443/cream-sge-GRIDEGI_small

Submitted: Tue Aug 21 14:26:54 2012 CEST

=====
=====

}}}

* To solve this issue, I just have updated the UI to the last version on production for UMD-1 and OS repositories:

{{{

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

Installing:

dpm-perl	x86_64	1.8.3-1.el5
UMD-1-updates	228 k	

replacing perl-dpm.x86_64 1.8.2-3sec.sl5

dpm-python	x86_64	1.8.3-1.el5
UMD-1-updates	1.2 M	

replacing python-dpm.x86_64 1.8.2-3sec.sl5

kernel 308.11.1.el5	x86_64 sl-security	2.6.18- 21 M
------------------------	-----------------------	-----------------

lfc-perl UMD-1-updates	x86_64 165 k	1.8.3-1.el5
---------------------------	-----------------	-------------

replacing perl-lfc.x86_64 1.8.2-3sec.sl5

lfc-python UMD-1-updates	x86_64 2.2 M	1.8.3-1.el5
-----------------------------	-----------------	-------------

replacing python-lfc.x86_64 1.8.2-3sec.sl5

Updating:

CGSI_gSOAP_2.7 1.sl5	x86_64 UMD-1-updates	1.3.5- 96 k
-------------------------	-------------------------	----------------

bind 20.P1.el5_8.2	x86_64 sl-security	30:9.3.6- 989 k
-----------------------	-----------------------	--------------------

bind-libs 20.P1.el5_8.2	x86_64 sl-security	30:9.3.6- 897 k
----------------------------	-----------------------	--------------------

bind-utils 20.P1.el5_8.2	x86_64 sl-security	30:9.3.6- 180 k
-----------------------------	-----------------------	--------------------

dhclient 31.el5_8.1	x86_64 sl-security	12:3.0.5- 287 k
------------------------	-----------------------	--------------------

dkms sl-base	noarch 104 k	2.1.1.2-1.el5
-----------------	-----------------	---------------

dpm UMD-1-updates	x86_64 215 k	1.8.3-1.el5
----------------------	-----------------	-------------

dpm-devel UMD-1-updates	x86_64 208 k	1.8.3-1.el5
----------------------------	-----------------	-------------

dpm-libs UMD-1-updates	x86_64 155 k	1.8.3-1.el5
---------------------------	-----------------	-------------

emi-version UMD-1-updates	x86_64 2.0 k	1.11.0-1.sl5
------------------------------	-----------------	--------------

expat sl-security	i386 78 k	1.95.8-11.el5_8
expat 11.el5_8	x86_64 sl-security	1.95.8- 77 k
expat-devel 11.el5_8	i386 sl-security	1.95.8- 132 k
expat-devel 11.el5_8	x86_64 sl-security	1.95.8- 129 k
firefox sl-security	i386 20 M	10.0.6-1.el5_8
firefox sl-security	x86_64 20 M	10.0.6-1.el5_8
freetype sl-security	i386 313 k	2.2.1-31.el5_8.1
freetype 31.el5_8.1	x86_64 sl-security	2.2.1- 312 k
gfal UMD-1-updates	x86_64 1.3 M	1.12.0-3.sl5
gfal-py26 UMD-1-updates	x86_64 178 k	1.12.0-3.sl5
glibc sl-security	i686 5.3 M	2.5-81.el5_8.4
glibc sl-security	x86_64 4.8 M	2.5-81.el5_8.4
glibc-common 81.el5_8.4	x86_64 sl-security	2.5- 16 M
glibc-devel sl-security	i386 2.0 M	2.5-81.el5_8.4
glibc-devel 81.el5_8.4	x86_64 sl-security	2.5- 2.4 M
glibc-headers 81.el5_8.4	x86_64 sl-security	2.5- 597 k
glite-lbjs-common-gss 1.sl5	x86_64 UMD-1-updates	3.0.6- 28 k

globus-ftp-client UMD-1-updates	x86_64 108 k	7.3-1.el5
globus-ftp-control UMD-1-updates	x86_64 73 k	4.4-1.el5
globus-gass-copy UMD-1-updates	x86_64 37 k	8.4-1.el5
globus-gass-copy-progs 1.el5 k	x86_64 UMD-1-updates	8.4- 44
globus-gass-transfer UMD-1-updates	x86_64 43 k	7.2-1.el5
gridftp-ifce UMD-1-updates	x86_64 43 k	2.1.4-1.sl5
is-interface UMD-1-updates	x86_64 125 k	1.12.2-1.sl5
java-1.6.0-openjdk 1.27.1.10.8.el5_8	x86_64 sl-security	1:1.6.0.0- 36 M
jdk fcs	x86_64 sl-security	2000:1.6.0_33- 56 M
kernel-headers 308.11.1.el5	x86_64 sl-security	2.6.18- 1.4 M
lcg-util UMD-1-updates	x86_64 436 k	1.11.21-1.sl5
lcg-util-py26 1.sl5	x86_64 UMD-1-updates	1.11.21- 133 k
lcgdm-devel UMD-1-updates	x86_64 43 k	1.8.3-1.el5
lcgdm-libs UMD-1-updates	x86_64 102 k	1.8.3-1.el5
lfc UMD-1-updates	x86_64 161 k	1.8.3-1.el5
lfc-devel UMD-1-updates	x86_64 135 k	1.8.3-1.el5

lfc-libs UMD-1-updates	x86_64 44 k	1.8.3-1.el5
libpng 17.el5_8	i386 sl-security	2:1.2.10- 241 k
libpng 17.el5_8	x86_64 sl-security	2:1.2.10- 235 k
libtiff sl-security	i386 309 k	3.8.2-15.el5_8
libtiff sl-security	x86_64 314 k	3.8.2-15.el5_8
nscd sl-security	x86_64 172 k	2.5-81.el5_8.4
nspr sl-security	i386 121 k	4.9.1-4.el5_8
nspr sl-security	x86_64 120 k	4.9.1-4.el5_8
nss sl-security	i386 1.1 M	3.13.5-4.el5_8
nss sl-security	x86_64 1.1 M	3.13.5-4.el5_8
nss-tools sl-security	x86_64 1.1 M	3.13.5-4.el5_8
openssl 22.el5_8.4	i686 sl-security	0.9.8e- 1.5 M
openssl 22.el5_8.4	x86_64 sl-security	0.9.8e- 1.5 M
openssl-devel 22.el5_8.4	i386 sl-security	0.9.8e- 1.9 M
openssl-devel 22.el5_8.4	x86_64 sl-security	0.9.8e- 1.9 M
popt sl-security	i386 76 k	1.10.2.3-28.el5_8
popt 28.el5_8	x86_64 sl-security	1.10.2.3- 78 k

postgresql-libs 5.el5_8	i386 sl-security	8.1.23- 197 k
postgresql-libs 5.el5_8	x86_64 sl-security	8.1.23- 197 k
python 46.el5_8.2	x86_64 sl-security	2.4.3- 59 k
python-libs 46.el5_8.2	x86_64 sl-security	2.4.3- 5.9 M
rpm 28.el5_8	x86_64 sl-security	4.4.2.3- 1.2 M
rpm-build 28.el5_8	x86_64 sl-security	4.4.2.3- 303 k
rpm-libs 28.el5_8	x86_64 sl-security	4.4.2.3- 925 k
rpm-python 28.el5_8	x86_64 sl-security	4.4.2.3- 64 k
srm-ifce UMD-1-updates	x86_64 674 k	1.1.0-3.sl5
sudo 14.el5_8.2	x86_64 sl-security	1.7.2p1- 359 k
tzdata sl-security	x86_64 766 k	2012c-3.el5
tzdata-java sl-security	x86_64 181 k	2012c-3.el5
umd-release UMD-1-updates	noarch 8.3 k	1.8.0-1.el5
xulrunner sl-security	i386 13 M	10.0.6-2.el5_8
xulrunner 2.el5_8	x86_64 sl-security	10.0.6- 13 M
Removing:		
kernel 274.3.1.el5	x86_64 installed	2.6.18- 96 M

Installing for dependencies:

xz	x86_64	4.999.9-	
0.3.beta.20091007git.el5	sl-base		146
k			
xz-libs	x86_64	4.999.9-	
0.3.beta.20091007git.el5	sl-base		94
k			

Transaction Summary

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

```
}}}
```

* After updating the UI, I reconfigured it with YAIM and I submit a job with a executable name of 16 characteres, and the job finished OK.

```
{{{
```

```
[esfreire@ui ~]$ cat lanzar_gromacs.jdl
```

```
[
```

```
Executable = "test2_gromacs.sh";
```

```
StdOutput = "test_gromacs.out";
```

```
StdError = "test_gromacs.err";
```

```
InputSandbox = {"test2_gromacs.sh","job_gromacs_dir.tar.gz"};
```

```
OutputSandbox =
```

```
{"test_gromacs.out","test_gromacs.err","job_gromacs_dir_output.tar.gz"};
```

```
Requirements = other.GlueCEUniqueID == "cream.egi.cesga.es:8443/cream-sge-GRIDEGI_small"
```

```
##VirtualOrganisation = "ops.vo.ibergrid.eu";
```

```
##Requirements = (RegExp("cream.egi.cesga.es",other.GlueCEUniqueId));  
]
```

```
[esfreire@ui ~]$ glite-wms-job-status -i gromacs.job
```

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

BOOKKEEPING INFORMATION:

Status info for the Job : <https://wms01.egee.cesga.es:9000/Tn2HlbDx8ZXaghEMBLW-bQ>

Current Status: Done (Success)

Logged Reason(s):

- job completed
- Job Terminated Successfully

Exit code: 0

Status Reason: Job Terminated Successfully

Destination: cream.egi.cesga.es:8443/cream-sge-GRIDEGI_small

Submitted: Thu Aug 23 13:50:52 2012 CEST

```
=====
```

```
}}}
```


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:

During verification was open the GGUS ticket https://ggus.eu/tech/ticket_show.php?ticket=85409 . The issue seems related to the UI UMD-1, if the UI is not updated to the last version from UMD/OS repositories, it will fails with jobs which have a “executable” name defined in their JDL with more than 14 characters. Therefore, I think it should be included a note in the release notes about the issue found with this update and mention that it is solved with just update the UI EMI-1 to the last version on production, since the UI without updating was working with the previous version of EMI.wms.