

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

Name of the component	LB		
Release	EMI.lb.sl6.x86 64-3.2.10	RT Ticket	5385
Software Provider	EMI-3		
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	<b>VERIFIED</b>	Date	7 <sup>th</sup> May, 2013
Verification start date	3 <sup>th</sup> May, 2013	Verification end date	7 <sup>th</sup> May, 2013

**Summary:**

\*This *EMI-2 LB 3.2.10* bugfix release for SL6 was successfully upgraded from a previous *LB 3.2.9 EMI-2* version and configured in a Scientific Linux 6.4 (carbon) node, collocated with WMS 3.4.1 SL6 release for EMI-2.

\*This release is a bugfix release, so bugfixes which could be locally tested were checked successfully.

\*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 3.4.1 release.

\*There is a complete test suite for the product.

\*The issue related to *log4c* version 1.2.3 which is not compatible and breaks with the LB (GGUS ticket: [https://ggus.eu/ws/ticket\\_info.php?ticket=93769](https://ggus.eu/ws/ticket_info.php?ticket=93769)) is fixed successfully in this release.

**GGUS Tickets:**

### Summary of Quality Criteria verification:

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
<b>TP</b>				
<b>VLD</b>	23			23
	Specific Quality Criteria			
<b>TP</b>				
<b>VLD</b>	5		3	8

### Quality Criteria verification cheatsheet:

#### DOCUMENTATION QC

GENERIC_DOC_1 (Functional Description)	Y	VLD	<a href="http://egee.cesnet.cz/cvsweb/LB/LBUG.pdf">http://egee.cesnet.cz/cvsweb/LB/LBUG.pdf</a>
GENERIC_DOC_2 (Release Notes)	Y	VLD	<a href="http://www.eu-emi.eu/emi-2-matterhorn/updates/-/asset_publisher/9AgN/content/update-13-30-04-2013-v-2-8-0-1#LB_v_3_2_10_tas">http://www.eu-emi.eu/emi-2-matterhorn/updates/-/asset_publisher/9AgN/content/update-13-30-04-2013-v-2-8-0-1#LB_v_3_2_10_tas</a>
GENERIC_DOC_3 (User Documentation)	Y	VLD	<a href="http://egee.cesnet.cz/cvsweb/LB/LBUG.pdf">http://egee.cesnet.cz/cvsweb/LB/LBUG.pdf</a>
GENERIC_DOC_4 (Online help (man pages))	Y	VLD	
GENERIC_DOC_5 (API Documentation)	Y	VLD	<a href="http://egee.cesnet.cz/cvsweb/LB/LBDG.pdf">http://egee.cesnet.cz/cvsweb/LB/LBDG.pdf</a>
GENERIC_DOC_6 (Administrator Documentation)	Y	VLD	<a href="http://egee.cesnet.cz/cvsweb/LB/LBAG.pdf">http://egee.cesnet.cz/cvsweb/LB/LBAG.pdf</a>
GENERIC_DOC_7 (Service Reference Card)	Y	VLD	<a href="https://twiki.cern.ch/twiki/bin/view/EMI/LBServiceReferenceCard">https://twiki.cern.ch/twiki/bin/view/EMI/LBServiceReferenceCard</a>
GENERIC_DOC_8 (Software License)	Y	VLD	<a href="http://www.apache.org/licenses/LICENSE-2.0.html">http://www.apache.org/licenses/LICENSE-2.0.html</a>
GENERIC_DOC_9 (Release changes testing)	Y	VLD	<a href="https://twiki.cern.ch/twiki/bin/view/EGEE/TestReportForLBEM12Update11#Resolution_of_Linked_Bugs">https://twiki.cern.ch/twiki/bin/view/EGEE/TestReportForLBEM12Update11#Resolution_of_Linked_Bugs</a>

#### SOFTWARE DISTRIBUTION QC

GENERIC_DIST_1 (Source Code Availability)	Y	VLD	Source code and rpm's available in product page
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	Available in product page. There are some glite files created in /opt location; this is discouraged

#### 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)	Y	VLD	
GENERIC_SERVICE_4 (Service Robustness)	Y	VLD	
GENERIC_SERVICE_5 (Automatic Configuration)	Y	VLD	Configuration with YAIM was successful
GENERIC_SERVICE_6 (Default Password Configuration)	Y	VLD	
GENERIC_SERVICE_7 (Default Configuration)	Y	VLD	Default values on YAIM parameters indicated in: <a href="https://twiki.cern.ch/twiki/bin/view/LCG/Site-info_configuration_variables#LB">https://twiki.cern.ch/twiki/bin/view/LCG/Site-info_configuration_variables#LB</a>

#### SECURITY QC

GENERIC_SEC_1 (World Writable Files)	Y	VLD	Tested with: find / -type f -perm -002 -exec ls -l {} \;
GENERIC_SEC_3 (Passwords in world readable files)	Y	VLD	

#### MISCELLANEOUS QC

GENERIC_MISC_1 (Bug Tracking System)	Y	VLD	TP enlisted has 3rd level support in GGUS
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#### AUTHENTICATION QC

AUTHN_CRED_1 (X.509 Certificate support)	Y	VLD	
AUTHN_CRED_2 (SHA2 Certificate support)	NA	VLD	Optional
AUTHN_CRED_3 (RFC Proxy support)	NA	VLD	Optional
AUTHN_PROTO_1 (TLSSLv3 Support)	Y	VLD	

#### MONITORING PROBES QC

MON_PROBE_GENERIC_1 (Certificate Lifetime Probe)	Y	VLD	Probe included in LB Nagios
MON_PROBE_GENERIC_2 (Service Probe)	NA	VLD	Optional. State of Nagios service probes: <a href="https://twiki.cern.ch/twiki/bin/view/EMI/NagiosProbes">https://twiki.cern.ch/twiki/bin/view/EMI/NagiosProbes</a>

#### CLIENT TOOLS QC

CLIENT_TOOLS_1 (Command line options 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.

\*These three bugfixes were certified by code review by TP (view

[https://twiki.cern.ch/twiki/bin/view/EGEE/TestReportForLBEM12Update11#Resolution\\_of\\_Linked\\_Bugs](https://twiki.cern.ch/twiki/bin/view/EGEE/TestReportForLBEM12Update11#Resolution_of_Linked_Bugs)):

- Check for zombies in LB server is very inefficient (bug #100381)
- LB client library does not handle LB\_PERM error from server (bug #100842)
- edg\_wll\_NotifMatch() should not return EPERM (bug #100845)

\*The next bugfixes were tested successfully by us:

### [LB proxy uses zero default purge timeouts \(bug #100808\)](#)

```
[root@wms01 ~]# JOBID=`/usr/lib64/glite-lb/examples/glite-lb-job_reg -X /tmp/lb_proxy_store.sock -m wms01.ific.uv.es:9000 -s
Application | grep EDG_JOBID | sed 's/"$/" | sed 's/^.*//'"
[root@wms01 ~]# UNIQ=`echo $JOBID | sed 's/^.*//'"
[root@wms01 ~]# echo $JOBID
https://wms01.ific.uv.es:9000/kksk8TGWW8e0wsAOeiU3Dw
[root@wms01 ~]# echo $UNIQ
kksk8TGWW8e0wsAOeiU3Dw
[root@wms01 ~]# /usr/lib64/glite-lb/examples/glite-lb-done.sh -X /tmp/lb_proxy_store.sock -j $JOBID
/usr/lib64/glite-lb/examples/./././bin/glite-lb-logevent -x -S /tmp/lb_proxy_store.sock -j
https://wms01.ific.uv.es:9000/kksk8TGWW8e0wsAOeiU3Dw -c
UI=000003:NS=0000000000:WM=000000:BH=0000000000:JSS=000000:LM=000000:LRMS=000000:APP=000000:LBS=00000
0 -s NetworkServer -e Accepted --from=UserInterface --from_host=sending component hostname --from_instance=sending
component instance --local_jobid=new jobId (Condor Globus ...)
/usr/lib64/glite-lb/examples/./././bin/glite-lb-logevent -x -S /tmp/lb_proxy_store.sock -j
https://wms01.ific.uv.es:9000/kksk8TGWW8e0wsAOeiU3Dw -c
UI=000003:NS=0000000002:WM=000000:BH=0000000000:JSS=000000:LM=000000:LRMS=000000:APP=000000:LBS=00000
0 -s NetworkServer -e EnQueued --queue=destination queue --job=job description in receiver language --result=OK
--reason=detailed description of transfer
/usr/lib64/glite-lb/examples/./././bin/glite-lb-logevent -x -S /tmp/lb_proxy_store.sock -j
https://wms01.ific.uv.es:9000/kksk8TGWW8e0wsAOeiU3Dw -c
UI=000003:NS=0000000004:WM=000000:BH=0000000000:JSS=000000:LM=000000:LRMS=000000:APP=000000:LBS=00000
0 -s WorkloadManager -e DeQueued --queue=queue name --local_jobid=new jobId assigned by the receiving component
/usr/lib64/glite-lb/examples/./././bin/glite-lb-logevent -x -S /tmp/lb_proxy_store.sock -j
https://wms01.ific.uv.es:9000/kksk8TGWW8e0wsAOeiU3Dw -c
UI=000003:NS=0000000004:WM=000002:BH=0000000000:JSS=000000:LM=000000:LRMS=000000:APP=000000:LBS=00000
0 -s WorkloadManager -e HelperCall --helper_name=name of the called component --helper_params=parameters of the call
--src_role=CALLING
/usr/lib64/glite-lb/examples/./././bin/glite-lb-logevent -x -S /tmp/lb_proxy_store.sock -j
https://wms01.ific.uv.es:9000/kksk8TGWW8e0wsAOeiU3Dw -c
UI=000003:NS=0000000004:WM=000004:BH=0000000000:JSS=000000:LM=000000:LRMS=000000:APP=000000:LBS=00000
0 -s WorkloadManager -e Match --dest_id=destination CE/queue
/usr/lib64/glite-lb/examples/./././bin/glite-lb-logevent -x -S /tmp/lb_proxy_store.sock -j
https://wms01.ific.uv.es:9000/kksk8TGWW8e0wsAOeiU3Dw -c
UI=000003:NS=0000000004:WM=000006:BH=0000000000:JSS=000000:LM=000000:LRMS=000000:APP=000000:LBS=00000
0 -s WorkloadManager -e HelperReturn --helper_name=name of the called component --retval=returned data --src_role=CALLING
/usr/lib64/glite-lb/examples/./././bin/glite-lb-logevent -x -S /tmp/lb_proxy_store.sock -j
https://wms01.ific.uv.es:9000/kksk8TGWW8e0wsAOeiU3Dw -c
UI=000003:NS=0000000004:WM=000008:BH=0000000000:JSS=000000:LM=000000:LRMS=000000:APP=000000:LBS=00000
0 -s WorkloadManager -e EnQueued --queue=destination queue --job=job description in receiver language --result=OK
--reason=detailed description of transfer
/usr/lib64/glite-lb/examples/./././bin/glite-lb-logevent -x -S /tmp/lb_proxy_store.sock -j
https://wms01.ific.uv.es:9000/kksk8TGWW8e0wsAOeiU3Dw -c
UI=000003:NS=0000000004:WM=000010:BH=0000000000:JSS=000000:LM=000000:LRMS=000000:APP=000000:LBS=00000
0 -s JobController -e DeQueued --queue=queue name --local_jobid=new jobId assigned by the receiving component
/usr/lib64/glite-lb/examples/./././bin/glite-lb-logevent -x -S /tmp/lb_proxy_store.sock -j
https://wms01.ific.uv.es:9000/kksk8TGWW8e0wsAOeiU3Dw -c
```

```

UI=000003:NS=0000000004:WM=000010:BH=0000000000:JSS=000002:LM=000000:LRMS=000000:APP=000000:LBS=00000
0 -s JobController -e Transfer --destination=LRMS --dest_host=destination hostname --dest_instance=destination instance --job=job
description in receiver language --result=OK --reason=detailed description of transfer --dest_jobid=destination internal jobid
/usr/lib64/glite-lb/examples/./././bin/glite-lb-logevent -x -S /tmp/lb_proxy_store.sock -j
https://wms01.ific.uv.es:9000/kksk8TGW8e0wsAOeiU3Dw -c
UI=000003:NS=0000000004:WM=000010:BH=0000000000:JSS=000004:LM=000000:LRMS=000000:APP=000000:LBS=00000
0 -s LogMonitor -e Accepted --from=JobController --from_host=sending component hostname --from_instance=sending component
instance --local_jobid=new jobId (Condor Globus ...)
/usr/lib64/glite-lb/examples/./././bin/glite-lb-logevent -x -S /tmp/lb_proxy_store.sock -j
https://wms01.ific.uv.es:9000/kksk8TGW8e0wsAOeiU3Dw -c
UI=000003:NS=0000000004:WM=000010:BH=0000000000:JSS=000004:LM=000002:LRMS=000000:APP=000000:LBS=00000
0 -s LogMonitor -e Transfer --destination=LRMS --dest_host=destination hostname --dest_instance=destination instance --job=job
description in receiver language --result=OK --reason=detailed description of transfer --dest_jobid=destination internal jobid
/usr/lib64/glite-lb/examples/./././bin/glite-lb-logevent -x -S /tmp/lb_proxy_store.sock -j
https://wms01.ific.uv.es:9000/kksk8TGW8e0wsAOeiU3Dw -c
UI=000003:NS=0000000004:WM=000010:BH=0000000000:JSS=000004:LM=000004:LRMS=000000:APP=000000:LBS=00000
0 -s LogMonitor -e Running --node=worker node
/usr/lib64/glite-lb/examples/./././bin/glite-lb-logevent -x -S /tmp/lb_proxy_store.sock -j
https://wms01.ific.uv.es:9000/kksk8TGW8e0wsAOeiU3Dw -c
UI=000003:NS=0000000004:WM=000010:BH=0000000000:JSS=000004:LM=000006:LRMS=000000:APP=000000:LBS=00000
0 -s LogMonitor -e Done --status_code=OK --reason=reason for the change --exit_code=0

```

```

[root@wms01 ~]# mysql -u lserver lserver20 -e "select proxy,server from jobs where jobid='$SUNIQ'"
+-----+-----+
| proxy | server |
+-----+-----+
| 1 | 1 |
+-----+-----+
[root@wms01 ~]# glite-lb-purge -X /tmp/lb_proxy_serve.sock
The jobs were not dumped.
[root@wms01 ~]# mysql -u lserver lserver20 -e "select proxy,server from jobs where jobid='$SUNIQ'"
+-----+-----+
| proxy | server |
+-----+-----+
| 1 | 1 |
+-----+-----+

```

### [check\\_jobstat\\_authz\(\) always denies STATUS\\_FOR\\_MONITORING permission \(bug #100843\)](#)

```

[root@wms01 ~]# /usr/lib64/glite-lb/examples/glite-lb-job_status https://wms01.ific.uv.es:9000/0-Sob9ODwNho-Mcn8msH5Q

state : Done
jobId : https://wms01.ific.uv.es:9000/0-Sob9ODwNho-Mcn8msH5Q
owner : /DC=es/DC=irisgrid/O=ifc/CN=Pablo.Briongos
payload_owner : (null)
jobtype : SIMPLE
parent_job : (null)
condorId : (null)
globusId : (null)
localId : (null)
jdl : [ OutputSandboxPath = "/var/SandboxDir/0-https_3a_2f_2fwms01.ific.uv.es_3a9000_2f0-Sob9ODwNho-
Mcn8msH5Q/output"; StdOutput = "hw.out"; ShallowRetryCount = 10; SignificantAttributes =
{ "Requirements","Rank","FuzzyRank" }; RetryCount = 3; Executable = "/bin/echo"; Type = "job"; LB_sequence_code =
"UI=000000:NS=0000000004:WM=000000:BH=0000000000:JSS=000000:LM=000000:LRMS=000000:APP=000000:LBS=0000
00"; Arguments = "25m"; AllowZippedISB = true; VirtualOrganisation = "ifc"; JobType = "normal"; DefaultRank =
-other.GlueCEStateEstimatedResponseTime; OutputSandboxDestURI =
{ "gsiftp://wms01.ific.uv.es:2811/var/SandboxDir/0-https_3a_2f_2fwms01.ific.uv.es_3a9000_2f0-Sob9ODwNho-
Mcn8msH5Q/output/hw.out"; "gsiftp://wms01.ific.uv.es:2811/var/SandboxDir/0-https_3a_2f_2fwms01.ific.uv.es_3a9000_2f0-
Sob9ODwNho-Mcn8msH5Q/output/hw.err" }; OutputSandbox = { "hw.out","hw.err" }; edg_jobid =
"https://wms01.ific.uv.es:9000/0-Sob9ODwNho-Mcn8msH5Q"; VOMS_FQAN = "/ifc/Role=NULL/Capability=NULL";
CertificateSubject = "/DC=es/DC=irisgrid/O=ifc/CN=Pablo.Briongos"; StdError = "hw.err"; InputSandboxPath =
"/var/SandboxDir/0-https_3a_2f_2fwms01.ific.uv.es_3a9000_2f0-Sob9ODwNho-Mcn8msH5Q/input"; rank =
-other.GlueCEStateEstimatedResponseTime; MyProxyServer = "lcg2proxy.ific.uv.es"; X509UserProxy =
"/var/SandboxDir/0-https_3a_2f_2fwms01.ific.uv.es_3a9000_2f0-Sob9ODwNho-Mcn8msH5Q/user.proxy"; requirements =
( other.GlueCEStateStatus == "Production" ) && ( ( ShortDeadlineJob is true ? RegExp(".*sdj$",other.GlueCEUniqueID) : !
RegExp(".*sdj$",other.GlueCEUniqueID) ) && ( other.GlueCEPolicyMaxTotalJobs == 0 || other.GlueCEStateTotalJobs <
other.GlueCEPolicyMaxTotalJobs ) && ( EnableWmsFeedback is true ? RegExp("cream",other.GlueCEImplementationName,"i") :
true ) && ( member(CertificateSubject,other.GlueCEAccessControlBaseRule) ||
member(strcat("VO:",VirtualOrganisation),other.GlueCEAccessControlBaseRule) ||
FQANmember(strcat("VOMS:",VOMS_FQAN),other.GlueCEAccessControlBaseRule) ) is true &&
FQANmember(strcat("DENY:",VOMS_FQAN),other.GlueCEAccessControlBaseRule) isnt true &&

```

```
( IsUndefined(other.OutputSE) || member(other.OutputSE,other.GlueCESEBindGroupSEUniqueID) ) );
WMPInputSandboxBaseURI = "gsiftp://wms01.ific.uv.es:2811/var/SandboxDir/0-/https_3a_2f_2fwms01.ific.uv.es_3a9000_2f0-
Sob9ODwNho-Mcn8msH5Q" ]
matched_jdl : [ Source = 2; Protocol = "1.0.0"; Arguments = [ JobAd = [ CEInfoHostName = "ce03.ific.uv.es"; OutputSandboxPath
= "/var/SandboxDir/0-/https_3a_2f_2fwms01.ific.uv.es_3a9000_2f0-Sob9ODwNho-Mcn8msH5Q/output"; StdOutput = "hw.out";
GlobusResourceContactString = "ce03.ific.uv.es:8443/cream-pbs"; QueueName = "short"; ShallowRetryCount = 10;
SignificantAttributes = { "Requirements","Rank","FuzzyRank" }; RetryCount = 3; Executable = "/bin/echo"; Type = "job";
LB_sequence_code =
"UI=000000:NS=0000000004:WM=000005:BH=0000000000:JSS=000000:LM=000000:LRMS=000000:APP=000000:LBS=0000
00"; Arguments = "25m"; AllowZippedISB = true; VirtualOrganisation = "ific"; JobType = "normal"; DefaultRank =
-other.GlueCEStateEstimatedResponseTime; ce_id = "ce03.ific.uv.es:8443/cream-pbs-short"; OutputSandboxDestURI =
{ "gsiftp://wms01.ific.uv.es:2811/var/SandboxDir/0-/https_3a_2f_2fwms01.ific.uv.es_3a9000_2f0-Sob9ODwNho-
Mcn8msH5Q/output/hw.out"; "gsiftp://wms01.ific.uv.es:2811/var/SandboxDir/0-/https_3a_2f_2fwms01.ific.uv.es_3a9000_2f0-
Sob9ODwNho-Mcn8msH5Q/output/hw.err" }; OutputSandbox = { "hw.out","hw.err" }; CeRequirements = "true && ( ( true &&
( ShortDeadlineJob is true ? false : true ) && ( EnableWmsFeedback is true ? true : true ) && ( error ||
member("/DC=es/DC=irisgrid/O=ific/CN=Pablo.Briongos",other.GlueCEAccessControlBaseRule) ||
member("/VO:ific",other.GlueCEAccessControlBaseRule) ) is true && ( IsUndefined(other.OutputSE) ||
member(other.OutputSE,other.GlueCESEBindGroupSEUniqueID) ) ) ); InputSandbox =
{ "gsiftp://wms01.ific.uv.es:2811/var/SandboxDir/0-/https_3a_2f_2fwms01.ific.uv.es_3a9000_2f0-Sob9ODwNho-
Mcn8msH5Q/input.BrokerInfo" }; edg_jobid = "https://wms01.ific.uv.es:9000/0-Sob9ODwNho-Mcn8msH5Q"; VOMS_FQAN =
"/ific/Role=NULL/Capability=NULL"; CertificateSubject = "/DC=es/DC=irisgrid/O=ific/CN=Pablo.Briongos"; StdError =
"hw.err"; InputSandboxPath = "/var/SandboxDir/0-/https_3a_2f_2fwms01.ific.uv.es_3a9000_2f0-Sob9ODwNho-
Mcn8msH5Q/input"; CeApplicationDir = "/lustre/ific.uv.es/sw/ific"; ReallyRunningToken =
"gsiftp://wms01.ific.uv.es/var/SandboxDir/0-/https_3a_2f_2fwms01.ific.uv.es_3a9000_2f0-Sob9ODwNho-
Mcn8msH5Q/token.txt_0"; rank = -other.GlueCEStateEstimatedResponseTime; lrms_type = "torque"; MyProxyServer =
"lcg2proxy.ific.uv.es"; X509UserProxy = "/var/SandboxDir/0-/https_3a_2f_2fwms01.ific.uv.es_3a9000_2f0-Sob9ODwNho-
Mcn8msH5Q/user.proxy"; requirements = ( other.GlueCEStateStatus == "Production" ) && ( ( ShortDeadlineJob is true ?
RegExp(".*sdj$",other.GlueCEUniqueID) : !RegExp(".*sdj$",other.GlueCEUniqueID) ) && ( other.GlueCEPolicyMaxTotalJobs
== 0 || other.GlueCEStateTotalJobs < other.GlueCEPolicyMaxTotalJobs ) && ( EnableWmsFeedback is true ?
RegExp("cream",other.GlueCEImplementationName,"i") : true ) &&
( member(CertificateSubject,other.GlueCEAccessControlBaseRule) ||
member(strcat("VO:",VirtualOrganisation),other.GlueCEAccessControlBaseRule) ||
FQANmember(strcat("VOMS:",VOMS_FQAN),other.GlueCEAccessControlBaseRule) ) is true &&
FQANmember(strcat("DENY:",VOMS_FQAN),other.GlueCEAccessControlBaseRule) isnt true &&
( IsUndefined(other.OutputSE) || member(other.OutputSE,other.GlueCESEBindGroupSEUniqueID) ) );
WMPInputSandboxBaseURI = "gsiftp://wms01.ific.uv.es:2811/var/SandboxDir/0-/https_3a_2f_2fwms01.ific.uv.es_3a9000_2f0-
Sob9ODwNho-Mcn8msH5Q" ] ]; Command = "Submit" ]
destination : ce03.ific.uv.es:8443/cream-pbs-short
network server : https://wms01.ific.uv.es:7443/glite_wms_wmproxy_server
condor_jdl : (null)
rsl : [ CEInfoHostName = "ce03.ific.uv.es"; OutputSandboxPath =
"/var/SandboxDir/0-/https_3a_2f_2fwms01.ific.uv.es_3a9000_2f0-Sob9ODwNho-Mcn8msH5Q/output"; StdOutput = "hw.out";
GlobusResourceContactString = "ce03.ific.uv.es:8443/cream-pbs"; QueueName = "short"; ShallowRetryCount = 10;
SignificantAttributes = { "Requirements","Rank","FuzzyRank" }; RetryCount = 3; Executable = "/bin/echo"; Type = "job";
LB_sequence_code =
"UI=000000:NS=0000000004:WM=000005:BH=0000000000:JSS=000002:LM=000002:LRMS=000000:APP=000000:LBS=0000
00"; Arguments = "25m"; AllowZippedISB = true; VirtualOrganisation = "ific"; JobType = "normal"; DefaultRank =
-other.GlueCEStateEstimatedResponseTime; ce_id = "ce03.ific.uv.es:8443/cream-pbs-short"; OutputSandboxDestURI =
{ "gsiftp://wms01.ific.uv.es:2811/var/SandboxDir/0-/https_3a_2f_2fwms01.ific.uv.es_3a9000_2f0-Sob9ODwNho-
Mcn8msH5Q/output/hw.out"; "gsiftp://wms01.ific.uv.es:2811/var/SandboxDir/0-/https_3a_2f_2fwms01.ific.uv.es_3a9000_2f0-
Sob9ODwNho-Mcn8msH5Q/output/hw.err" }; OutputSandbox = { "hw.out","hw.err" }; CeRequirements = "true && ( ( true &&
( ShortDeadlineJob is true ? false : true ) && ( EnableWmsFeedback is true ? true : true ) && ( error ||
member("/DC=es/DC=irisgrid/O=ific/CN=Pablo.Briongos",other.GlueCEAccessControlBaseRule) ||
member("/VO:ific",other.GlueCEAccessControlBaseRule) ) is true && ( IsUndefined(other.OutputSE) ||
member(other.OutputSE,other.GlueCESEBindGroupSEUniqueID) ) ) ); InputSandbox =
{ "gsiftp://wms01.ific.uv.es:2811/var/SandboxDir/0-/https_3a_2f_2fwms01.ific.uv.es_3a9000_2f0-Sob9ODwNho-
Mcn8msH5Q/input.BrokerInfo" }; edg_jobid = "https://wms01.ific.uv.es:9000/0-Sob9ODwNho-Mcn8msH5Q"; StdError =
"hw.err"; CertificateSubject = "/DC=es/DC=irisgrid/O=ific/CN=Pablo.Briongos"; VOMS_FQAN =
"/ific/Role=NULL/Capability=NULL"; InputSandboxPath = "/var/SandboxDir/0-/https_3a_2f_2fwms01.ific.uv.es_3a9000_2f0-
Sob9ODwNho-Mcn8msH5Q/input"; CeApplicationDir = "/lustre/ific.uv.es/sw/ific"; ReallyRunningToken =
"gsiftp://wms01.ific.uv.es/var/SandboxDir/0-/https_3a_2f_2fwms01.ific.uv.es_3a9000_2f0-Sob9ODwNho-
Mcn8msH5Q/token.txt_0"; rank = -other.GlueCEStateEstimatedResponseTime; lrms_type = "torque"; MyProxyServer =
"lcg2proxy.ific.uv.es"; X509UserProxy = "/var/SandboxDir/0-/https_3a_2f_2fwms01.ific.uv.es_3a9000_2f0-Sob9ODwNho-
Mcn8msH5Q/user.proxy"; requirements = ( other.GlueCEStateStatus == "Production" ) && ( ( ShortDeadlineJob is true ?
RegExp(".*sdj$",other.GlueCEUniqueID) : !RegExp(".*sdj$",other.GlueCEUniqueID) ) && ( other.GlueCEPolicyMaxTotalJobs
== 0 || other.GlueCEStateTotalJobs < other.GlueCEPolicyMaxTotalJobs ) && ( EnableWmsFeedback is true ?
RegExp("cream",other.GlueCEImplementationName,"i") : true ) &&
( member(CertificateSubject,other.GlueCEAccessControlBaseRule) ||
member(strcat("VO:",VirtualOrganisation),other.GlueCEAccessControlBaseRule) ||
FQANmember(strcat("VOMS:",VOMS_FQAN),other.GlueCEAccessControlBaseRule) ) is true &&
FQANmember(strcat("DENY:",VOMS_FQAN),other.GlueCEAccessControlBaseRule) isnt true &&
( IsUndefined(other.OutputSE) || member(other.OutputSE,other.GlueCESEBindGroupSEUniqueID) ) );
WMPInputSandboxBaseURI = "gsiftp://wms01.ific.uv.es:2811/var/SandboxDir/0-/https_3a_2f_2fwms01.ific.uv.es_3a9000_2f0-
Sob9ODwNho-Mcn8msH5Q" ]
reason : Job Terminated Successfully
location : none
```

```
ce_node : wn421.ific.uv.es
subjob_failed : 0
done_code : DONE_CODE_OK
exit_code : 0
resubmitted : 0
cancelling : 0
cancelReason : (null)
cpuTime : -1
user_tags :
ceinfohostname = "ce03.ific.uv.es"
stateEnterTime : 1367919289.988090
stateEnterTimes :
  Undefined - not available -
  Submitted Tue May 7 11:28:52 2013
  Waiting Tue May 7 11:28:52 2013
  Ready Tue May 7 11:28:53 2013
  Scheduled Tue May 7 11:29:23 2013
  Running Tue May 7 11:29:28 2013
  Done Tue May 7 11:34:49 2013
  Cleared - not available -
  Aborted - not available -
  Cancelled - not available -
  Unknown - not available -
  Purged - not available -
lastUpdateTime : 1367919289.988090
expectUpdate : 0
expectFrom : (null)
acl : (null)
access rights :
(null)payload_running: 0
possible_destinations :
  ce03.ific.uv.es:8443/cream-pbs-short
possible_ce_nodes :
  wn421.ific.uv.es
  wn421.ific.uv.es
suspended : 0
suspend_reason : (null)
failure_reasons : (null)
remove_from_proxy : 0
ui_host : NetworkServer
sandbox_retrieved : 0
jw_status : Done
isb_transfer : (null)
osb_transfer : (null)
ft_compute_job : (null)
ft_sandbox_type : UNKNOWN
ft_src : (null)
ft_dest : (null)
```

### **[one of RegJob events can be optimized out with colocated LB server+proxy \(bug #100869\)](#)**

```
[root@wms01 ~]# export GLITE_WMS_LBPROXY_SERVERNAME=hostname -f :9000
[root@wms01 ~]# /usr/lib64/glite-lb/examples/glite-lb-job_reg -X /tmp/lb_proxy_store.sock -m wms01.ific.uv.es:9000 -s
Application
new jobid: https://wms01.ific.uv.es:9000/Ye1YRBIBBk2uS0os8z9eUg

EDG_JOBID="https://wms01.ific.uv.es:9000/Ye1YRBIBBk2uS0os8z9eUg"
EDG_WL_SEQUENCE="UI=000000:NS=0000000000:WM=000000:BH=0000000000:JSS=000000:LM=000000:LRMS=000000:
APP=000002:LBS=000000"
[root@wms01 ~]# tail -f /var/log/messages | grep Deadlock
```

**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:**