

Quality Criteria Verification Report

Product	<i>EMI-3 WMS (sl6.x86_64)</i>	Release	<i>3.6.1</i>
Software Provider	<i>EMI (EMI-3 Update 10)</i>	RT Ticket	<i>#6319</i>
Provider contact	<i>Cristina Aiftimei <crstina.aiftimei@pd.infn.it></i>		
Verifier	<i>Pablo Briongos Rabadán <pablo.briongos@ific.uv.es></i>		
Hours worked	<i>15 hours</i>	Date	<i>08/11/2013</i>
Status	Accepted		

Summary

*EMI-3 WMS 3.6.1 SL6 was successfully upgraded from a previous EMI-3 WMS 3.6.0 version, in a clean Scientific Linux 6.4 (carbon) node, collocated with LB 4.0.11 SL6 release for EMI-3.

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

*The product is **accepted**.

Related tickets

No tickets

Documentation Criteria

Document	Link
Release notes	<i>http://www.eu-emi.eu/releases/emi-3-monte-bianco/updates/-/asset_publisher/5Na8/content/update-10-04-11-2013-v-3-6-0-1#WMS_v_3_6_1</i>
User Documentation	<i>http://web.infn.it/gLiteWMS/images/WMS/Docs/wmproxy-guide.pdf</i>
API Documentation	<i>https://web2.infn.it/gLiteWMS/wmproxy-api/egee-jra1-wm/glite-wmproxy-api-index.shtml</i>
Admin Documentation	<i>http://wiki.italiangrid.it/twiki/bin/view/WMS/WMSSystemAdministratorGuide</i>
Software License	<i>http://web2.infn.it/gLiteWMS/index.php/license</i>

Generic Criteria

Criteria	Status¹	Additional Comments
Binary Distribution	OK	Available in product page. There are some glite files created in /opt location; this is discouraged
Upgrade	OK	
X.509 Certificate support	OK	

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

SHA-2 Certificates Support	OK	
RFC Proxy support	OK	
ARGUS Integration	OK	
World Writable Files	OK	
Passwords in world readable files	OK	
GlueSchema 1.3 Support	OK	glue-validator -H cg08.ific.uv.es -p 2170 -b o=grid -g glue1 -s general -v 3
GlueSchema 2.0 Support	OK	glue-validator -H cg08.ific.uv.es -p 2170 -b o=glue -g glue2 -s general -v 3
Middleware Version Information	OK	ldapsearch -x -h cg08.ific.uv.es -p 2170 -b GLUE2GroupID=resource,o=glue objectclass=GLUE2Endpoint
Service Probes	OK	
Accounting Records	NA	
Bug Tracking System	OK	

Specific QC

Basic Functionality Test

The product works as expected and the basic functionality is correct in the evaluated areas:

* proxy init and delegate

```
-bash-3.2$ voms-proxy-init --voms ific
Enter GRID pass phrase:
Your identity: /DC=es/DC=irisgrid/O=ific/CN=Pablo.Briongos
Creating temporary proxy ..... Done
Contacting swevo.ific.uv.es:14001 [/DC=es/DC=irisgrid/O=ific/CN=swevo.ific.uv.es] "ific" Done
Creating proxy ..... Done
Your proxy is valid until Fri Nov 8 23:40:21 2013
-bash-3.2$ glite-wms-job-delegate-proxy -e https://cg08.ific.uv.es:7443/glite_wms_wmproxy_server -d $USER
```

Connecting to the service https://cg08.ific.uv.es:7443/glite_wms_wmproxy_server

===== glite-wms-job-delegate-proxy Success =====

Your proxy has been successfully delegated to the WMPProxy(s):
https://cg08.ific.uv.es:7443/glite_wms_wmproxy_server
with the delegation identifier: briongos

*job-list-match

```
-bash-3.2$ glite-wms-job-list-match -e https://cg08.ific.uv.es:7443/glite_wms_wmproxy_server -d $USER hello_world.jdl
```

Connecting to the service https://cg08.ific.uv.es:7443/glite_wms_wmproxy_server

COMPUTING ELEMENT IDs LIST

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

CEId
- ce02.ific.uv.es:8443/cream-pbs-infbandIficL
- ce02.ific.uv.es:8443/cream-pbs-infbandShort
- ce03.ific.uv.es:8443/cream-pbs-ificL
- ce03.ific.uv.es:8443/cream-pbs-short

*basic job-submit and get output

```
-bash-3.2$ glite-wms-job-submit -e https://cg08.ific.uv.es:7443/glite_wms_wmproxy_server -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://cg08.ific.uv.es:9000/vkUd1HfC1Jx3h3_g1TetHg

```
-bash-3.2$ glite-wms-job-status https://cg08.ific.uv.es:9000/vkUd1HfC1Jx3h3_g1TetHg
```

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

BOOKKEEPING INFORMATION:

Status info for the Job : https://cg08.ific.uv.es:9000/vkUd1HfC1Jx3h3_g1TetHg

Current Status: Done (Success)

Logged Reason(s):

- job completed
- Job Terminated Successfully

Exit code: 0

Status Reason: Job Terminated Successfully

Destination: ce02.ific.uv.es:8443/cream-pbs-infbandIficL

Submitted: Fri Nov 8 09:58:02 2013 CET

```
-bash-3.2$ glite-wms-job-output https://cg08.ific.uv.es:9000/vkUd1HfC1Jx3h3_g1TetHg
```

Connecting to the service https://cg08.ific.uv.es:7443/glite_wms_wmproxy_server

JOB GET OUTPUT OUTCOME

Output sandbox files for the job:

https://cg08.ific.uv.es:9000/vkUd1HfC1Jx3h3_g1TetHg

have been successfully retrieved and stored in the directory:

/tmp/jobOutput/briongos_vkUd1HfC1Jx3h3_g1TetHg

```
-bash-3.2$ ll /tmp/jobOutput/briongos_vkUd1HfC1Jx3h3_g1TetHg
```

total 12

-rw-r--r-- 1 briongos exp 0 Nov 8 13:36 hw.err

-rw-r--r-- 1 briongos exp 4 Nov 8 13:36 hw.out

*cancel job

```
-bash-3.2$ glite-wms-job-submit -e https://cg08.ific.uv.es:7443/glite_wms_wmproxy_server -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://cg08.ific.uv.es:9000/MWPkLq08fLQZPH3KngOJSw>

-bash-3.2\$ glite-wms-job-cancel <https://cg08.ific.uv.es:9000/MWPkLq08fLQZPH3KngOJSw>

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

Connecting to the service https://cg08.ific.uv.es:7443/glite_wms_wmproxy_server

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

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

- <https://cg08.ific.uv.es:9000/MWPkLq08fLQZPH3KngOJSw>

-bash-3.2\$ glite-wms-job-status <https://cg08.ific.uv.es:9000/MWPkLq08fLQZPH3KngOJSw>

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

BOOKKEEPING INFORMATION:

Status info for the Job : <https://cg08.ific.uv.es:9000/MWPkLq08fLQZPH3KngOJSw>
Current Status: Cancelled
Destination: ce02.ific.uv.es:8443/cream-pbs-infbandShort
Submitted: Fri Nov 8 11:40:30 2013 CET

*collection jobs

-bash-3.2\$ glite-wms-job-status <https://cg08.ific.uv.es:9000/nOJiNrM5-Nt55C8zdzqW5Vw>

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

BOOKKEEPING INFORMATION:

Status info for the Job : <https://cg08.ific.uv.es:9000/nOJiNrM5-Nt55C8zdzqW5Vw>
Current Status: Done (Success)
Exit code: 0
Submitted: Fri Nov 8 11:49:21 2013 CET

- Nodes information for:

Status info for the Job : <https://cg08.ific.uv.es:9000/lxx-Rpvn03ix5spZkDctQ>
Current Status: Done (Success)
Logged Reason(s):
- job completed
- Job Terminated Successfully
Exit code: 0
Status Reason: Job Terminated Successfully
Destination: ce03.ific.uv.es:8443/cream-pbs-ificL
Submitted: Fri Nov 8 11:49:21 2013 CET

Status info for the Job : <https://cg08.ific.uv.es:9000/OvFR8CcVwEAuVzqdEHxQpw>
Current Status: Done (Success)
Logged Reason(s):
- job completed
- Job Terminated Successfully
Exit code: 0
Status Reason: Job Terminated Successfully
Destination: ce03.ific.uv.es:8443/cream-pbs-short
Submitted: Fri Nov 8 11:49:21 2013 CET

*Proxy renewal, multiple role/group proxy and proxies with long chains are supported and work correctly.

New Features/Fixed Bugs

Here is some extra information about the four bugfixes included in this release:

*[WMS-105] - WMPProxy doesn't log correctly the JDL to LB for collection job FIXED

To reproduce this bug we submit a collection job, obtain the Grid JobID and paste it in the address bar of a web browser, appending to the address the string "?flags=history". In the page we can see the field "job:" for the event "EnQueued" (that one with result "OK"). Its value is the complete and log JDL for the collection job, so the bug is fixed:

```
{
  "type": "EnQueued",
  "timestamp": "20131108104922.031343",
  "arrived": "20131108104922.000000",
  "host": "cg08.ific.uv.es",
  "level": "SYSTEM",
  "priority": 8,
  "jobId": "https://cg08.ific.uv.es:9000/nOJiNrM5-Nt55C8zqW5Vw",
  "seqcode": "UI=000000:NS=0000000003:WM=000000:BH=0000000000:JSS=000000:LM=000000:LRMS=000000:APP=000000:LBS=000000",
  "user": "/DC=es/DC=irisgrid/O=ific/CN=Pablo.Briogoso",
  "source": "NetworkServer",
  "src_instance": "https://cg08.ific.uv.es:7443/glite_wms_wmproxy_server",
  "queue": "/var/workload_manager/jobdir",
  "job": "[ node_type = \"edg_jdl\"; SignificantAttributes = { \"Requirements\", \"Rank\", \"FuzzyRank\" }; DefaultNodeRetryCount = 3; Executable = \"/bin/hostname\"; Type = \"dag\"; LB_sequence_code = \"UI=000000:NS=0000000003:WM=000000:BH=0000000000:JSS=000000:LM=000000:LRMS=000000:APP=000000:LBS=000000\"; nodes = [ Node_0 = [ node_type = \"edg_jdl\"; description = [ NodeName = \"Node_0\"; OutputSandboxPath = \"/var/SandboxDir/Ix/https_3a_2f_2fcg08.ific.uv.es_3a9000_2fxx-Rpvn03ix5SpZkDetQ/output\"; StdOutput = \"job1.out\"; ShallowRetryCount = 10; RetryCount = 3; Executable = \"/bin/hostname\"; Type = \"job\"; Arguments = \"-f\"; VirtualOrganisation = \"ific\"; JobType = \"normal\"; DefaultRank = -other.GlueCEStateEstimatedResponseTime; OutputSandboxDestURI = { \"gsiftp://cg08.ific.uv.es:2811/var/SandboxDir/Ix/https_3a_2f_2fcg08.ific.uv.es_3a9000_2fxx-Rpvn03ix5SpZkDetQ/output/job1.err\", \"gsiftp://cg08.ific.uv.es:2811/var/SandboxDir/Ix/https_3a_2f_2fcg08.ific.uv.es_3a9000_2fxx-Rpvn03ix5SpZkDetQ/output/job1.out\" }; OutputSandbox = { \"job1.err\", \"job1.out\" }; edg_jobid = \"https://cg08.ific.uv.es:9000/lxx-Rpvn03ix5SpZkDetQ\"; StdError = \"job1.err\"; CertificateSubject = \"/DC=es/DC=irisgrid/O=ific/CN=Pablo.Briogoso\"; VOMS_FQAN = \"/ific/Role=NULL/Capability=NULL\"; InputSandboxPath = \"/var/SandboxDir/Ix/https_3a_2f_2fcg08.ific.uv.es_3a9000_2fxx-Rpvn03ix5SpZkDetQ/input\"; rank = other.GlueCEStateFreeCPUs; MyProxyServer = \"/cg2proxy.ific.uv.es\"; X509UserProxy = \"/var/SandboxDir/Ix/https_3a_2f_2fcg08.ific.uv.es_3a9000_2fxx-Rpvn03ix5SpZkDetQ/user.proxy\"; requirements = ( ( other.GlueCEInfoTotalCPUs >= 30 ) && ( 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 && ( !Undefined( other.OutputSE ) || member( other.OutputSE, other.GlueCESEBindGroupSEUniqueID ) ) ); WMPInputSandboxBaseURI = \"/gsiftp://cg08.ific.uv.es:2811/var/SandboxDir/Ix/https_3a_2f_2fcg08.ific.uv.es_3a9000_2fxx-Rpvn03ix5SpZkDetQ\" ]; Node_1 = [ node_type = \"edg_jdl\"; description = [ NodeName = \"Node_1\"; OutputSandboxPath = \"/var/SandboxDir/Ov/https_3a_2f_2fcg08.ific.uv.es_3a9000_2fOvFR8CcVwEAuVzqdEHxQpw/output\"; StdOutput = \"job2.out\"; ShallowRetryCount = 10; RetryCount = 3; Executable = \"/bin/hostname\"; Type = \"job\"; Arguments = \"-f\"; VirtualOrganisation = \"ific\"; JobType = \"normal\"; DefaultRank = -other.GlueCEStateEstimatedResponseTime; OutputSandboxDestURI = { \"gsiftp://cg08.ific.uv.es:2811/var/SandboxDir/Ov/https_3a_2f_2fcg08.ific.uv.es_3a9000_2fOvFR8CcVwEAuVzqdEHxQpw/output/job2.err\", \"gsiftp://cg08.ific.uv.es:2811/var/SandboxDir/Ov/https_3a_2f_2fcg08.ific.uv.es_3a9000_2fOvFR8CcVwEAuVzqdEHxQpw/output/job2.out\" }; OutputSandbox = { \"job2.err\", \"job2.out\" }; edg_jobid = \"https://cg08.ific.uv.es:9000/OvFR8CcVwEAuVzqdEHxQpw\"; StdError = \"job2.err\"; CertificateSubject = \"/DC=es/DC=irisgrid/O=ific/CN=Pablo.Briogoso\"; VOMS_FQAN = \"/ific/Role=NULL/Capability=NULL\"; InputSandboxPath = \"/var/SandboxDir/Ov/https_3a_2f_2fcg08.ific.uv.es_3a9000_2fOvFR8CcVwEAuVzqdEHxQpw/input\"; rank = other.GlueCEStateFreeCPUs; MyProxyServer = \"/cg2proxy.ific.uv.es\"; X509UserProxy = \"/var/SandboxDir/Ov/https_3a_2f_2fcg08.ific.uv.es_3a9000_2fOvFR8CcVwEAuVzqdEHxQpw/user.proxy\"; requirements = ( ( other.GlueCEInfoTotalCPUs >= 30 ) && ( 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 && ( !Undefined( other.OutputSE ) || member( other.OutputSE, other.GlueCESEBindGroupSEUniqueID ) ) ); WMPInputSandboxBaseURI = \"/gsiftp://cg08.ific.uv.es:2811/var/SandboxDir/Ov/https_3a_2f_2fcg08.ific.uv.es_3a9000_2fOvFR8CcVwEAuVzqdEHxQpw\" ]; dependencies = { } ]; AllowZippedSB = true; VirtualOrganisation = \"ific\"; DefaultNodeShallowRetryCount = 10; edg_jobid = \"https://cg08.ific.uv.es:9000/nOJiNrM5-Nt55C8zqW5Vw\"; VOMS_FQAN = \"/ific/Role=NULL/Capability=NULL\"; CertificateSubject = \"/DC=es/DC=irisgrid/O=ific/CN=Pablo.Briogoso\"; InputSandboxPath = \"/var/SandboxDir/nO/https_3a_2f_2fcg08.ific.uv.es_3a9000_2fOJiNrM5-Nt55C8zqW5Vw/input\"; Rank = other.GlueCEStateFreeCPUs; MyProxyServer = \"/cg2proxy.ific.uv.es\"; X509UserProxy = \"/var/SandboxDir/nO/https_3a_2f_2fcg08.ific.uv.es_3a9000_2fOJiNrM5-Nt55C8zqW5Vw/user.proxy\"; requirements = other.GlueCEInfoTotalCPUs >= 30; WMPInputSandboxBaseURI = \"/gsiftp://cg08.ific.uv.es:2811/var/SandboxDir/nO/https_3a_2f_2fcg08.ific.uv.es_3a9000_2fOJiNrM5-Nt55C8zqW5Vw\" ];\",
  \"result\": \"OK\",
  \"reason\": null
},
```

*[WMS-106] - glite_wms_server prints taint check warnings FIXED

Reproduce the bug is quite difficult. Patch verified by Zdenek Salvat:
<https://issues.infn.it/jira/browse/WMS-106>

*[\[WMS-108\]](#) - **wms-workload_manager doesn't actually retry LB requests** **FIXED**

Reproduce this bug (and test the corresponding fix) is very difficult. Verified by Simon Fayer:
<https://issues.infn.it/jira/browse/WMS-108>

*[\[WMS-109\]](#) - **vulnerability issue Advisory-SVG-2013-5346** **FIXED INTERNAL**

The advisory will published at:
<https://wiki.egi.eu/wiki/SVG:Advisory-SVG-2013-5346>

Additional Info

No additional info