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# WMS v. 3.5 (SL5) test report

## Summary

- Component: **WMS 3.5**
- Savannah task: 34080
- ETICS Subsystem Configuration Name: **emi-wms\_R\_3\_5\_0**
- VCS Tag:
- EMI Major Release: **EMI 3**
- Platform: **SL5/x86\_64 + EPEL**
- Outcome: **Ongoing**

## Deployment Tests

### Clean installation - PASSED

```
[root@emitestbed41 ~]# cat /etc/yum.repos.d/emi-3-rc-sl5.repo
#####
# File managed by puppet
# it will be overwritten by puppet
#####
[EMI-3-testing-base]
name=EMI 3 Testing Base Repository
baseurl=http://emisoft.web.cern.ch/emisoft/dist/EMI/testing/3/sl5/$basearch/base
#ggpkey=http://emisoft.web.cern.ch/emisoft/dist/EMI/3/RPM-GPG-KEY-emi
priority=45
protect=1
enabled=1
gggcheck=0

[EMI-3-testing-third-party]
name=EMI 3 Testing Third-Party Repository
baseurl=http://emisoft.web.cern.ch/emisoft/dist/EMI/testing/3/sl5/$basearch/third-party
#ggpkey=http://emisoft.web.cern.ch/emisoft/dist/EMI/3/RPM-GPG-KEY-emi
protect=1
enabled=1
priority=45
gggcheck=0

[Oracle-11]
name=Oracle Repository (not for distribution)
baseurl=http://emisoft.web.cern.ch/emisoft/dist/elcaro/oracle-instantclient/11/repo/sl5/$basearch
protect=1
enabled=1
priority=45
gggcheck=0
```

- **install.sl5.log: install.sl5.log**

## Configuration

```
export GLITE_LB_MSG_BROKER=false
/opt/glite/yaim/bin/yaim -c -s site-info.def -n WMS
```

- yaimlog.sl5: yaimlog.sl5

## Upgrade - PASSED

- update\_wms\_3.5.0\_sl5.txt: Update log

## Unit Tests - PASSED

- Report available at WMS 3.5 unit tests

## Basic Functionality tests

### Submission

#### Normal - PASSED

```
[capannini@emitestbed08 WMS-service]$ python WMS-job-cycle.py -c wms-command.conf -V testers.eu-e
===> + TestSuite of the WMS Service
===> + Description: Test a complete job cycle: from submission to get output
===> + TestSuite of the WMS Service
```

Enter the user proxy password:

Set 1: Submit a normal job - CE\_CREAM

```
===>
===> Test: WMS-job-cycle.py
===> WMS: emitestbed41.cnaf.infn.it
===> Started: 17:49:12
===> Ended  : 17:50:22
===>
===>      === test PASSED ===
===>
===> Test log file is WMSService-TS_20130214174912.log
```

- WMSService-TS\_20130214174912.log: WMSService-TS\_20130214174912.log

#### Proxy Mode - PASSED

```
[capannini@emitestbed08 WMS-service]$ python WMS-job-cycle.py -c wms-command.conf -V testers.eu-e
===> + TestSuite of the WMS Service
===> + Description: Test a complete job cycle: from submission to get output
===> + TestSuite of the WMS Service
```

Enter the user proxy password:

Set 1: Submit a normal job - CE\_CREAM

```
===>
===> Test: WMS-job-cycle.py
===> WMS: emitestbed41.cnaf.infn.it
===> Started: 17:49:12
===> Ended  : 17:50:22
```

## WMSTask34080SL5 < IGIRelease < TWiki

```
====>
====>     === test PASSED ===
====>
====> Test log file is WMSService-TS_20130214174912.log
```

- WMSService-TS\_20130214174912.log: WMSService-TS\_20130214174912.log

### Jdl attributes - PASSED

Test 4 fails because lxbra1910.cern.ch is not published in the top bdi.

Define the following variables in wms-command.conf:

```
# For Jdl attributes tests
SE=lxbra1910.cern.ch
LFC=emi2rc-sl5-lfc.cern.ch
ISB_DEST_HOSTNAME=emitestbed44.cnaf.infn.it
ISB_DEST_USERNAME=root
ISB_DEST_PASSWORD=***
OSB_DEST_HOSTNAME=emitestbed44.cnaf.infn.it
OSB_DEST_USERNAME=root
OSB_DEST_PASSWORD=***
```

```
[capannini@emitestbed08 WMS-service]$ python WMS-jdl-attributes-job-cycle.py -c wms-command.conf
====> ++++++
====> + TestSuite of the WMS Service
====> + Description: Test a complete job cycle for normal job with non default jdl files
====> ++++++
```

Enter the user proxy password:

Test 1: Jdl with AllowZippedISB - CE\_CREAM

Test 2: Jdl with ExpiryTime

Test 4: Jdl with DataRequirements

```
====> ERROR: Command lfc-mkdir /grid/testers.eu-emi.eu/20130215110949 failed. Failure message: can
```

Test 5: Jdl with InputSandboxBaseURI

Test 5: Jdl with InputSandboxBaseURI - CE\_CREAM

Test 6: Jdl with OutputSandboxBaseDestURI

Test 6: Jdl with OutputSandboxBaseDestURI - CE\_CREAM

Test 7: Jdl with OutputSandboxDestURI

Test 7: Jdl with OutputSandboxDestURI - CE\_CREAM

```
====>
====> Test: WMS-jdl-attributes-job-cycle.py
====> WMS: emitestbed41.cnaf.infn.it
====> Started: 11:09:49
====> Ended  : 11:20:55
====>
====>     >>> TEST FAILED <<<
====>
====>     >>> failure reason: 1 test(s) fail(s): ['Test 4: Jdl with DataRequirements'] <<<
```

Proxy Mode - PASSED

## WMSTask34080SL5 < IGIRelease < TWiki

```
====>
====> Test log file is WMSService-TS_20130215110949.log
====> Error messages have been written in /home/capannini/WMS-Test-Suite-new/WMS-service/WMSService-TS_20130215110949.log
====>
====> Test directory /home/capannini/WMS-Test-Suite-new/WMS-service/WMSService-Test_20130215110949
```

- WMSService-TS\_20130215110949.log: WMSService-TS\_20130215110949.log

### Collection

#### Bulk submission - PASSED

```
[capannini@emitestbed08 WMS-service]$ python WMS-job-cycle.py -c wms-command.conf -V testers.eu-e
====> + TestSuite of the WMS Service
====> + Description: Test a complete job cycle: from submission to get output
====>
Enter the user proxy password:

Set 2: Submit a bulk of jobs - CE_CREAM

====>
====> Test: WMS-job-cycle.py
====> WMS: emitestbed41.cnaf.infn.it
====> Started: 11:58:06
====> Ended : 12:01:22
====>
====>      === test PASSED ===
====>
====> Test log file is WMSService-TS_20130215115806.log
```

- WMSService-TS\_20130215115806.log: WMSService-TS\_20130215115806.log

#### All in a jdl - PASSED

```
[capannini@emitestbed08 WMS-service]$ python WMS-job-cycle.py -c wms-command.conf -V testers.eu-e
====> + TestSuite of the WMS Service
====> + Description: Test a complete job cycle: from submission to get output
====>
Enter the user proxy password:

Set 7: Submit a bulk of jobs using a single jdl with al the jdls of nodes - CE_CREAM

====>
====> Test: WMS-job-cycle.py
====> WMS: emitestbed41.cnaf.infn.it
====> Started: 12:23:46
====> Ended : 12:26:04
====>
====>      === test PASSED ===
====>
====> Test log file is WMSService-TS_20130215122346.log
```

- WMSService-TS\_20130215122346.log: WMSService-TS\_20130215122346.log

#### Parametric job - PASSED

```
[capannini@emitestbed08 WMS-service]$ python WMS-job-cycle.py -c wms-command.conf -V testers.eu-e
====> + TestSuite of the WMS Service
====> + Description: Test a complete job cycle: from submission to get output
```

#### Jdl attributes - PASSED

====> ++++++

Enter the user proxy password:

Set 3: Submit a parametric job - CE\_CREAM

====>

====> Test: WMS-job-cycle.py

====> WMS: emitestbed41.cnaf.infn.it

====> Started: 15:13:54

====> Ended : 15:17:48

====>

====> === test PASSED ===

====>

====> Test log file is WMSService-TS\_20130215151354.log

- WMSService-TS\_20130215151354.log: WMSService-TS\_20130215151354.log

## Dag - PASSED

```
[capannini@emitestbed08 WMS-service]$ python WMS-job-cycle.py -c wms-command.conf -V testers.eu-e
```

====> ++++++

====> + TestSuite of the WMS Service

====> + Description: Test a complete job cycle: from submission to get output

====> ++++++

Enter the user proxy password:

Set 4: Submit a DAG job

====>

====> Test: WMS-job-cycle.py

====> WMS: emitestbed41.cnaf.infn.it

====> Started: 15:32:46

====> Ended : 15:43:08

====>

====> === test PASSED ===

====>

====> Test log file is WMSService-TS\_20130215153246.log

- WMSService-TS\_20130215153246.log: WMSService-TS\_20130215153246.log

## Parallel job - PASSED

```
### Submit parallel job 2 CPUs
```

```
### Job to be submitted:
```

```
Executable = "/usr/bin/mpi-start";
```

```
CPUNumber = 2;
```

```
Arguments = "-t dummy -- counter.sh cpus 2";
```

```
InputSandbox = {"counter.sh"};
```

```
OutputSandbox = {"std.out", "std.err"};
```

```
StdOutput = "std.out";
```

```
StdError = "std.err";
```

```
Requirements = member("MPI-START", other.GlueHostApplicationSoftwareRunTimeEnvironment)  
&& other.GlueCEInfoJobManager == "pbs";
```

```
[capannini@emitestbed08 ~]$ glite-wms-job-submit -a -c wms_emitestbed41.conf mpijob.jdl
```

```
Connecting to the service https://emitestbed41.cnaf.infn.it:7443/glite_wms_wmproxy_server
```

```
===== glite-wms-job-submit Success =====
```

```
The job has been successfully submitted to the WMPProxy
```

```
Your job identifier is:
```

## Parametric job - PASSED

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https://emitbrc-lamb4.civ.zcu.cz:9000/bE4XxarMfefsMCDlz4l2Gw

=====

```
[capannini@emitestbed08 ~]$ glite-wms-job-status https://emitbrc-lamb4.civ.zcu.cz:9000/bE4XxarMfe
```

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

BOOKKEEPING INFORMATION:

Status info for the Job : https://emitbrc-lamb4.civ.zcu.cz:9000/bE4XxarMfefsMCDlz4l2Gw

Current Status: Done (Success)

Logged Reason(s):

- job completed
- Job Terminated Successfully

Exit code: 0

Status Reason: Job Terminated Successfully

Destination: emitestbed29.cnaf.infn.it:8443/cream-pbs-demo

Submitted: Fri Feb 15 16:08:55 2013 CET

=====

### Forwarding parameters for parallel jobs - PASSED

Test 4 fails because there are no compatible resources.

```
[capannini@emitestbed08 WMS-service]$ python WMS-job-cycle.py -c wms-command.conf -V testers.eu-e
```

```
==> ++++++
```

```
==> + TestSuite of the WMS Service
```

```
==> + Description: Test a complete job cycle: from submission to get output
```

```
==> ++++++
```

Enter the user proxy password:

```
Set 8: Testing forwarding parameters for parallel jobs Case 1 - CE_CREAM
```

```
Set 8: Testing forwarding parameters for parallel jobs Case 2 - CE_CREAM
```

```
Set 8: Testing forwarding parameters for parallel jobs Case 3 - CE_CREAM
```

```
Set 8: Testing forwarding parameters for parallel jobs Case 4 - CE_CREAM
```

```
==> ERROR: Timeout reached while waiting the job https://emitbrc-lamb4.civ.zcu.cz:9000/zq5m0gmKR
```

```
Traceback (most recent call last):
```

```
File "WMS-job-cycle.py", line 618, in ?
```

```
main()
```

```
File "WMS-job-cycle.py", line 606, in main
```

```
if forward_parameters_parallel_jobs(utils, tests[7]):
```

```
File "WMS-job-cycle.py", line 458, in forward_parameters_parallel_jobs
```

```
utils.wait_until_job_transferred(JOBID)
```

```
File "/home/capannini/WMS-Test-Suite-new/WMS-service/Test_utils.py", line 1237, in wait_until_j
```

```
raise TimeoutError("", "Timeout reached while waiting the job %s to transferred to CE"%(jobid))
```

```
Exceptions.TimeoutError: 'Timeout reached while waiting the job https://emitbrc-lamb4.civ.zcu.cz:
```

### Perusal - PASSED

```
[capannini@emitestbed08 WMS-service]$ python WMS-job-cycle.py -c wms-command.conf -V testers.eu-e
```

```
==> ++++++
```

```
==> + TestSuite of the WMS Service
```

```
==> + Description: Test a complete job cycle: from submission to get output
```

```
==> ++++++
```

Parallel job - PASSED

Enter the user proxy password:

Set 6: Submit a perusal job - CE\_CREAM

```
====>
====> Test: WMS-job-cycle.py
====> WMS: emitestbed41.cnaf.infn.it
====> Started: 10:41:20
====> Ended  : 11:16:15
====>
====>      === test PASSED ===
====>
====> Test log file is WMSService-TS_20130218104120.log
```

• WMSService-TS\_20130218104120.log: WMSService-TS\_20130218104120.log

## Delegation - PASSED

Test 4 fails because the failure message has changed. Now it is 'Proxy exception: the proxy has expired'.

```
[capannini@emitestbed08 WMS-service]$ python WMS-delegation-test.py -c wms-command.conf -V tester
====> ++++++
====> + TestSuite of the WMS Service
====> + Description: Test delegation operation
====> ++++++
```

Enter the user proxy password:

Test 1: Check --autm-delegation option

Test 2: Check --delegationid option

Test 3: Try to delegate with a short proxy and check the validity

Test 4: Works with expired proxy

```
====> ERROR: TEST FAILS. Job has been submitted with the expired delegation
```

To run this test you have to set the ROLE attribute for user proxy role at configuration file

```
====>
====> Test: WMS-delegation-test.py
====> WMS: emitestbed41.cnaf.infn.it
====> Started: 11:32:34
====> Ended  : 11:33:49
====>
====>      >>> TEST FAILED <<<
====>
====>      >>> failure reason: 1 test(s) fail(s): ['Test 4: Works with expired proxy'] <<<
====>
====> Test log file is WMSService-TS_20130218113234.log
====> Error messages have been written in /home/capannini/WMS-Test-Suite-new/WMS-service/WMSService
====>
====> Test directory /home/capannini/WMS-Test-Suite-new/WMS-service/WMSService-Test_20130218113234
```

• WMSService-TS\_20130218113234.log: WMSService-TS\_20130218113234.log



**List-match - PASSED**

Test 7 fails because there are no suitable CEs.

```
[capannini@emitestbed08 WMS-service]$ python WMS-listmatch-test.py -c wms-command.conf -V testers
==> ++++++
==> + TestSuite of the WMS Service
==> + Description: WMS Job ListMatch Testing
==> ++++++

Enter the user proxy password:

Test 1: check if glite-wms-job-list-match command exists

Test 2: test a simple matching

Test 3: check --delegationid option

Test 4: exclude a CE from the match

Test 5: try a failure matching (Requirements == false)

Test 6: try a matching with EnableWMSFeedback attribute true

Test 7: try a matching with data requirements
==> ERROR: Unable to find any CEs mathing the job requirements

Test 8: try a gang-matching

==>
==> Test: WMS-listmatch-test.py
==> WMS: emitestbed41.cnaf.infn.it
==> Started: 11:49:34
==> Ended  : 11:49:58
==>
==> >>> TEST FAILED <<<
==>
==> >>> failure reason: 1 test(s) fail(s): ['Test 7: try a matching with data requirements'] <<
==>
==> Test log file is WMSService-TS_20130218114934.log
==> Error messages have been written in /home/capannini/WMS-Test-Suite-new/WMS-service/WMSService
==>
==> Test directory /home/capannini/WMS-Test-Suite-new/WMS-service/WMSService-Test_20130218114934
```

- WMSService-TS\_20130218114934.log: WMSService-TS\_20130218114934.log

**Prologue and epilogue jobs - PASSED**

```
[capannini@emitestbed08 WMS-service]$ python WMS-prologue-epilogue.py -c wms-command.conf -V test
==> ++++++
==> + TestSuite of the WMS Service
==> + Description: WMS test prologue and epilogue attributes
==> ++++++

Enter the user proxy password:

Test 1: Test prologue attribute - CE_CREAM
```

Test 2: Test epilogue attribute - CE\_CREAM

Test 3: Test prologue and epilogue attributes - CE\_CREAM

```
====>
====> Test: WMS-prologue-epilogue.py
====> WMS: emitestbed41.cnaf.infn.it
====> Started: 11:53:01
====> Ended  : 11:58:58
====>
====>      === test PASSED ===
====>
====> Test log file is WMSService-TS_20130218115301.log
```

• WMSService-TS\_20130218115301.log: WMSService-TS\_20130218115301.log

### Shallow and deep resubmission - PASSED

```
[capannini@emitestbed08 WMS-service]$ python WMS-job-resubmit.py -c wms-command.conf -V testers.e
====> ++++++
====> + TestSuite of the WMS Service
====> + Description: WMS Job Resubmission Testing
====> ++++++
```

Enter the user proxy password:

Test 1: Try a shallow resubmission - CE\_CREAM

Test 2: Try a deep resubmission - CE\_CREAM

```
====>
====> Test: WMS-job-resubmit.py
====> WMS: emitestbed41.cnaf.infn.it
====> Started: 12:03:51
====> Ended  : 12:15:39
====>
====>      === test PASSED ===
====>
====> Test log file is WMSService-TS_20130218120351.log
```

• WMSService-TS\_20130218120351.log: WMSService-TS\_20130218120351.log

### Cancel - FAILED

```
[capannini@emitestbed08 WMS-service]$ python WMS-job-cancel.py -c wms-command.conf -V testers.eu-
====> ++++++
====> + TestSuite of the WMS Service
====> + Description: WMS Job Cancel Testing
====> ++++++
```

Enter the user proxy password:

Test 1: Try to cancel a normal job

Test 2: Try to cancel a DAG job

Test 3: Try to cancel one node of a DAG job

Test 4: Try to cancel a collection job

### Prologue and epilogue jobs - PASSED

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Test 5: Try to cancel one node of a collection job

Test 6: Try to cancel a parametric job

Test 7: Try to cancel one node of a parametric job

====> ERROR: TEST FAILS. Job's https://emitbrc-lamb4.civ.zcu.cz:9000/OpCSr3E9XGPQHYDxmSxLTA status

Test 8: Try to cancel a MPI job

====> ERROR: Command glite-wms-job-cancel --config /home/capannini/WMS-Test-Suite-new/WMS-service/  
Error - Cancel not allowed  
Current Job Status is Aborted

====>

====> Test: WMS-job-cancel.py

====> WMS: emitestbed41.cnaf.infn.it

====> Started: 12:21:42

====> Ended : 12:41:05

====>

====> >>> TEST FAILED <<<

====>

====> >>> failure reason: 2 test(s) fail(s): ['Test 7:Try to cancel one node of a parametric job

====>

====> Test log file is WMSService-TS\_20130218122142.log

====> Error messages have been written in /home/capannini/WMS-Test-Suite-new/WMS-service/WMSService

====>

====> Test directory /home/capannini/WMS-Test-Suite-new/WMS-service/WMSService-Test\_2013021812214

- WMSService-TS\_20130218122142.log: WMSService-TS\_20130218122142.log

### Limiter mechanism - MOSTLY PASSED (SAME FAILURES AS IN EMI1)

Some of the tests fail. They have been excluded from the certification as they need further checking.

```
[capannini@emitestbed08 WMS-service]$ python WMS-limiter-mechanism.py -c wms-command.conf -V test
```

```
====> ++++++
```

```
====> + TestSuite of the WMS Service
```

```
====> + Description: WMS Limiter Mechanism
```

```
====> ++++++
```

Test 1: Test option --load1 threshold for load average (1 min)

Test 2: Test option --load5 threshold for load average (5 min)

Test 3: Test option --load15 threshold for load average (15 min)

Test 4: Test option --memusage threshold for memory usage (%)

Test 6: Test option --ftpconn threshold for number of FTP connections

Test 7: Test option --diskusage threshold for disk usage (%)

Test 8: Test option --fdnum threshold for used file descriptor

Cancel - FAILED

```
====>
====> Test: WMS-limiter-mechanism.py
====> WMS: emitestbed41.cnaf.infn.it
====> Started: 15:01:35
====> Ended  : 15:02:05
====>
====>      === test PASSED ===
====>
====> Test log file is WMSService-TS_20130218150135.log
```

- WMSService-TS\_20130218150135.log: WMSService-TS\_20130218150135.log

### Job purge - PASSED

```
[capannini@emitestbed08 WMS-service]$ python WMS-check-purger.py -c wms-command.conf -V testers.e
====> ++++++
====> + TestSuite of the WMS Service
====> + Description: WMS Purge Mechanism
====> ++++++

Test 3: Test proxy cache purging

====>
====> Test: WMS-check-purger.py
====> WMS: emitestbed41.cnaf.infn.it
====> Started: 15:30:22
====> Ended  : 15:30:30
====>
====>      === test PASSED ===
====>
====> Test log file is WMSService-TS_20130218153022.log
```

- WMSService-TS\_20130218153022.log: WMSService-TS\_20130218153022.log

### Configuration file - FAILED

```
[capannini@emitestbed08 WMS-service]$ python WMS-check-configuration-3.4.py -c wms-command.conf -
====> ++++++
====> + TestSuite of the WMS Service
====> + Description: Check glite_wms.conf file
====> ++++++

Test 1: Check common section

Test 2: Check JobController section

Test 3: Check NetworkServer section

Test 4: Check LogMonitor section

Test 5: Check WorkloadManager section

Test 6: Check WorkloadManagerProxy section

Test 7: Check ICE section

====>
====> Test: WMS-check-configuration-3.4.py
====> WMS: emitestbed41.cnaf.infn.it
```

## WMSTask34080SL5 < IGIRelease < TWiki

```
====> Started: 15:43:57
====> Ended  : 15:43:57
====>
====>     >>> TEST FAILED <<<
====>
====>     >>> failure reason: 3 test(s) fail(s): ['Test 5: Check WorkloadManager section', 'Test 6: C
====>
====> Test log file is WMSService-TS_20130218154357.log
====> Error messages have been written in /home/capannini/WMS-Test-Suite-new/WMS-service/WMSService
====>
====> Test directory /home/capannini/WMS-Test-Suite-new/WMS-service/WMSService-Test_2013021815435
```

- WMSService-TS\_20130218154357.log: WMSService-TS\_20130218154357.log

### Proxy renewal - PASSED

The myproxyserver (emitb2.ics.muni.cz) has to be configured in order to allow proxy renewal from the machine hosting the WMS. If this has not been previously done contact valtri@civ.zcu.cz.

It is necessary to clean the proxies from ice and proxyreanal:

```
[root@emi-demo11 siteinfo]# /etc/init.d/glite-wms-ice stop
stopping ICE... ok
[root@emi-demo11 siteinfo]# rm -rf /var/ice/persist_dir/*
[root@emi-demo11 siteinfo]# /etc/init.d/glite-wms-ice start
[root@emi-demo11 siteinfo]# rm -f /var/glite/spool/glite-renewd/*
```

then

Setting MYPROXYSERVER=emitb2.ics.muni.cz in wms-command.conf

```
[capannini@emitestbed08 ~]$ voms-proxy-init --voms testers.eu-emi.eu
Enter GRID pass phrase for this identity:
Your identity: /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Fabio Capannini
Creating temporary proxy ..... Done
Contacting emitestbed01.cnaf.infn.it:15002 [/C=IT/O=INFN/OU=Host/L=CNAF/CN=emitestbed01.cnaf.infn.it]
Creating proxy ..... Done
```

Your proxy is valid until Tue Feb 19 23:07:16 2013

```
[capannini@emitestbed08 WMS-service]$ myproxy-init -s emitb2.ics.muni.cz -d -n
```

Enter GRID pass phrase for this identity:

Your identity: /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Fabio Capannini

Creating proxy .....

Proxy Verify OK

Your proxy is valid until: Tue Feb 26 11:07:53 2013

A proxy valid for 168 hours (7.0 days) for user /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Fabio Capannini

```
[capannini@emitestbed08 WMS-service]$ python WMS-proxy-renewal.py -c wms-command.conf -V testers.eu
```

```
====> ++++++
```

```
====> + TestSuite of the WMS Service
```

```
====> + Description: WMS test proxy renewal operation
```

```
====> ++++++
```

Enter the user proxy password:

Test 1: Test proxy renewal - CE\_CREAM

Test 2: Test proxy renewal without setting MYPROXYSERVER - CE\_CREAM

```
====>
```

```
====> Test: WMS-proxy-renewal.py
```

```
====> WMS: emitestbed41.cnaf.infn.it
```

```
====> Started: 11:08:21
```

```
====> Ended  : 11:39:26
```

Configuration file - FAILED

```
====>
====>     === test PASSED ===
====>
====> Test log file is WMSService-TS_20130219110821.log
```

- WMSService-TS\_20130219110821.log: WMSService-TS\_20130219110821.log

## Feedback - PASSED

The parameter EnableReplanner has been introduced but is not configured by yaim so it must be manually defined in glite\_wms.conf (WorkloadManager section) before running the test. If it is not set, the test fails as expected as the default is false; it must be set to true for this test to be run successfully.

In the previous version of the WMS the parameter didn't exist and the feedback was always working by default, so the test ran consistently.

Moreover the test sometimes fails because the replanned job goes running instead of being replanned until reaching the maximum allowed number of replannings and then aborted.

```
[capannini@emitestbed08 WMS-service]$ python WMS-feedback-test.py -d3 -l -i
====> ++++++
====> + TestSuite of the WMS Service
====> + Description: WMS Feedback
====> ++++++
```

Enter the user proxy password:

Test 1: Test WMS feedback feature

```
====>
====> Test: WMS-feedback-test.py
====> WMS: emitestbed41.cnaf.infn.it
====> Started: 15:51:46
====> Ended  : 15:53:50
====>
====>     === test PASSED ===
====>
====> Test log file is WMSService-TS_20130218155146.log
```

- WMSService-TS\_20130218155146.log: WMSService-TS\_20130218155146.log

## Published information - PASSED

### bdb database information

```
[root@emitestbed41 ~]# ldapsearch -x -H ldap://cert-13.cnaf.infn.it:2170 -b 'o=grid'
# extended LDIF
#
# LDAPv3
# base <o=grid> with scope subtree
# filter: (objectclass=*)
# requesting: ALL
#
# grid
dn: o=grid
objectClass: organization
o: grid
# local, grid
dn: Mds-Vo-name=local,o=grid
Mds-Vo-name: local
objectClass: Mds
# resource, grid
```

## Proxy renewal - PASSED

## WMSTask34080SL5 < IGIRelease < TWiki

```
dn: Mds-Vo-name=resource,o=grid
Mds-Vo-name: resource
objectClass: Mds

# cert-13.cnaf.infn.it_org.glite.lb.Server_2310828617, resource, grid
dn: GlueServiceUniqueID=cert-13.cnaf.infn.it_org.glite.lb.Server_2310828617,Mds-Vo-name=resource,o=grid
objectClass: GlueTop
objectClass: GlueService
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueServiceUniqueID: cert-13.cnaf.infn.it_org.glite.lb.Server_2310828617
GlueServiceEndpoint: https://cert-13.cnaf.infn.it:9003/
GlueServiceVersion: 2.3.8
GlueSchemaVersionMinor: 3
GlueServiceName: emi-testbed-cnaf-Server
GlueServiceType: org.glite.lb.Server
GlueServiceWSDL: http://egee.cesnet.cz/cms/export/sites/egee/en/WSDL/3.1/LB.wsdl
GlueServiceSemantics: https://edms.cern.ch/file/571273/2/LB-guide.pdf
GlueForeignKey: GlueSiteUniqueID=emi-testbed-cnaf
GlueSchemaVersionMajor: 1
GlueServiceStatus: Critical
GlueServiceStartTime: 2013-02-18T15:50:01+01:00
GlueServiceStatusInfo: glite-lb-notif-interlogd not running (stale pidfile) glite-lb-interlogd for proxy running as 10314 glite-lb-bkserverd running as 10250 glite-jp-importer not running (disabled)

# cert-13.cnaf.infn.it_org.glite.wms.WMProxy_753962038, resource, grid
dn: GlueServiceUniqueID=cert-13.cnaf.infn.it_org.glite.wms.WMProxy_753962038,Mds-Vo-name=resource,o=grid
GlueServiceAccessControlBaseRule: VO:testers.eu-emi.eu
GlueServiceAccessControlBaseRule: VO:testers2.eu-emi.eu
GlueServiceAccessControlBaseRule: VO:cms
GlueServiceAccessControlBaseRule: VO:dteam
GlueServiceAccessControlBaseRule: VO:infngrid
GlueServiceStatus: OK
GlueServiceStatusInfo: /usr/bin/glite_wms_wmproxy_server is running...
objectClass: GlueTop
objectClass: GlueService
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueServiceUniqueID: cert-13.cnaf.infn.it_org.glite.wms.WMProxy_753962038
GlueServiceAccessControlRule: testers.eu-emi.eu
GlueServiceAccessControlRule: testers2.eu-emi.eu
GlueServiceAccessControlRule: cms
GlueServiceAccessControlRule: dteam
GlueServiceAccessControlRule: infngrid
GlueServiceEndpoint: https://cert-13.cnaf.infn.it:7443/glite_wms_wmproxy_server
GlueServiceVersion: 3.4.0
GlueSchemaVersionMinor: 3
GlueServiceName: emi-testbed-cnaf-WMProxy
GlueServiceType: org.glite.wms.WMProxy
GlueServiceWSDL: http://web.infn.it/gLiteWMS/images/WMS/Docs/wmproxy.wsdl
GlueServiceSemantics: http://web.infn.it/gLiteWMS/images/WMS/Docs/wmproxy-guide.pdf
GlueForeignKey: GlueSiteUniqueID=emi-testbed-cnaf
GlueServiceOwner: testers.eu-emi.eu
GlueServiceOwner: testers2.eu-emi.eu
GlueServiceOwner: cms
GlueServiceOwner: dteam
GlueServiceOwner: infngrid
GlueSchemaVersionMajor: 1
GlueServiceStartTime: 2013-02-18T00:00:02+01:00

# DN, cert-13.cnaf.infn.it_org.glite.wms.WMProxy_753962038, resource, grid
```

## WMSTask34080SL5 < IGIRelease < TWiki

```
dn: GlueServiceDataKey=DN,GlueServiceUniqueID=cert-13.cnaf.infn.it_org.glite.w
ms.WMPProxy_753962038,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: DN
GlueChunkKey: GlueServiceUniqueID=cert-13.cnaf.infn.it_org.glite.wms.WMPProxy_7
53962038
GlueServiceDataValue: /C=IT/O=INFN/OU=Host/L=CNAF/CN=cert-13.cnaf.infn.it

# glite-info-service_version, cert-13.cnaf.infn.it_org.glite.lb.Server_231082
8617, resource, grid
dn: GlueServiceDataKey=glite-info-service_version,GlueServiceUniqueID=cert-13.
cnaf.infn.it_org.glite.lb.Server_2310828617,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: glite-info-service_version
GlueChunkKey: GlueServiceUniqueID=cert-13.cnaf.infn.it_org.glite.lb.Server_231
0828617
GlueServiceDataValue: 1.6

# glite-info-service_version, cert-13.cnaf.infn.it_org.glite.wms.WMPProxy_7539
62038, resource, grid
dn: GlueServiceDataKey=glite-info-service_version,GlueServiceUniqueID=cert-13.
cnaf.infn.it_org.glite.wms.WMPProxy_753962038,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: glite-info-service_version
GlueChunkKey: GlueServiceUniqueID=cert-13.cnaf.infn.it_org.glite.wms.WMPProxy_7
53962038
GlueServiceDataValue: 1.6

# glite-info-service_hostname, cert-13.cnaf.infn.it_org.glite.lb.Server_23108
28617, resource, grid
dn: GlueServiceDataKey=glite-info-service_hostname,GlueServiceUniqueID=cert-13
.cnaf.infn.it_org.glite.lb.Server_2310828617,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: glite-info-service_hostname
GlueChunkKey: GlueServiceUniqueID=cert-13.cnaf.infn.it_org.glite.lb.Server_231
0828617
GlueServiceDataValue: cert-13.cnaf.infn.it

# glite-info-service_hostname, cert-13.cnaf.infn.it_org.glite.wms.WMPProxy_753
962038, resource, grid
dn: GlueServiceDataKey=glite-info-service_hostname,GlueServiceUniqueID=cert-13
.cnaf.infn.it_org.glite.wms.WMPProxy_753962038,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
```



## WMSTask34080SL5 < IGIRelease < TWiki

```
GlueSchemaVersionMinor: 3
GlueServiceDataKey: glite-info-service_hostname
GlueChunkKey: GlueServiceUniqueID=cert-13.cnaf.infn.it_org.glite.wms.WMProxy_7
53962038
GlueServiceDataValue: cert-13.cnaf.infn.it
```

```
# search result
search: 2
result: 0 Success
```

```
# numResponses: 11
# numEntries: 10
```

### Stats database definitions

```
[root@emitestbed41 ~]# ldapsearch -x -H ldap://emitestbed41.cnaf.infn.it:2170 -b 'o=infosys'
# extended LDIF
#
# LDAPv3
# base <o=infosys> with scope subtree
# filter: (objectclass=*)
# requesting: ALL
#
```

```
# infosys
dn: o=infosys
objectClass: organization
o: infosys
```

```
# zip, infosys
dn: CompressionType=zip,o=infosys
objectClass: CompressedContent
Hostname: localhost
CompressionType: zip
Data: file:///var/lib/bdii/archive/13-02-18-15-56-35-snapshot.gz
```

```
# localhost, infosys
dn: Hostname=localhost,o=infosys
objectClass: UpdateStats
Hostname: localhost
FailedDeletes: 0
ModifiedEntries: 5
DeletedEntries: 0
UpdateTime: 0
FailedAdds: 0
FailedModifies: 0
TotalEntries: 14
QueryTime: 0
NewEntries: 1
DBUpdateTime: 0
ReadTime: 0
PluginsTime: 0
ProvidersTime: 0
```

```
# search result
search: 2
result: 0 Success
```

```
# numResponses: 4
# numEntries: 3
```

```
[root@emitestbed41 ~]# ldapsearch -x -H ldap://emitestbed41.cnaf.infn.it:2170 -b 'o=glue'
# extended LDIF
#
# LDAPv3
# base <o=glue> with scope subtree
```

## WMSTask34080SL5 < IGIRelease < TWiki

```
# filter: (objectclass=*)
# requesting: ALL
#

# glue
dn: o=glue
objectClass: organization
o: glue

# grid, glue
dn: GLUE2GroupID=grid,o=glue
objectClass: GLUE2Group
GLUE2GroupID: grid

# resource, glue
dn: GLUE2GroupID=resource,o=glue
objectClass: GLUE2Group
GLUE2GroupID: resource

# emitestbed41.cnaf.infn.it_wmproxy_4218551016, resource, glue
dn: GLUE2ServiceID=emitestbed41.cnaf.infn.it_wmproxy_4218551016,GLUE2GroupID=r
  esource,o=glue
GLUE2EntityValidity: 3600
GLUE2ServiceType: org.glite.wms.WMProxy
GLUE2ServiceID: emitestbed41.cnaf.infn.it_wmproxy_4218551016
objectClass: GLUE2Service
GLUE2ServiceQualityLevel: production
GLUE2EntityOtherInfo: InfoProviderName=glite-info-glue2-service
GLUE2EntityOtherInfo: InfoProviderVersion=1.2
GLUE2EntityOtherInfo: InfoProviderHost=emitestbed41.cnaf.infn.it
GLUE2EntityOtherInfo: ProfileName=EGI
GLUE2EntityOtherInfo: ProfileVersion=1.0
GLUE2ServiceComplexity: endpointType=1, share=0, resource=0
GLUE2ServiceCapability: executionmanagement.candidatesetgenerator
GLUE2ServiceCapability: executionmanagement.jobdescription
GLUE2ServiceCapability: executionmanagement.jobmanager
GLUE2EntityName: emi-testbed-cnaf-WMProxy
GLUE2ServiceAdminDomainForeignKey: emi-testbed-cnaf
GLUE2EntityCreationTime: 2013-02-18T14:58:36Z

# emitestbed41.cnaf.infn.it_wmproxy_4218551016_org.glite.wms.WMProxy_42185510
  16, emitestbed41.cnaf.infn.it_wmproxy_4218551016, resource, glue
dn: GLUE2EndpointID=emitestbed41.cnaf.infn.it_wmproxy_4218551016_org.glite.wms
  .WMProxy_4218551016,GLUE2ServiceID=emitestbed41.cnaf.infn.it_wmproxy_42185510
  16,GLUE2GroupID=resource,o=glue
GLUE2EntityValidity: 3600
GLUE2EndpointQualityLevel: production
GLUE2EndpointImplementor: gLite
GLUE2EntityOtherInfo: InfoProviderName=glite-info-glue2-endpoint
GLUE2EntityOtherInfo: InfoProviderVersion=1.4
GLUE2EntityOtherInfo: InfoProviderHost=emitestbed41.cnaf.infn.it
GLUE2EntityOtherInfo: ProfileName=EGI
GLUE2EntityOtherInfo: ProfileVersion=1.0
GLUE2EntityOtherInfo: OSName=Scientific
GLUE2EntityOtherInfo: OSVersion=5.9
GLUE2EntityOtherInfo: MiddlewareName=EMI
GLUE2EntityOtherInfo: MiddlewareVersion=3.0.0-0.rc
GLUE2EntityOtherInfo: HostDN=/C=IT/O=INFN/OU=Host/L=CNAF/CN=emitestbed41.cnaf.
  infn.it
GLUE2EndpointCapability: executionmanagement.candidatesetgenerator
GLUE2EndpointCapability: executionmanagement.jobdescription
GLUE2EndpointCapability: executionmanagement.jobmanager
GLUE2EndpointServiceForeignKey: emitestbed41.cnaf.infn.it_wmproxy_4218551016
GLUE2EntityName: WMProxy endpoint for Service emitestbed41.cnaf.infn.it_wmprox
  y_4218551016
GLUE2EndpointTechnology: webservice
GLUE2EndpointWSDL: http://web.infn.it/gLiteWMS/images/WMS/Docs/wmproxy.wsdl
```

## WMSTask34080SL5 < IGIRelease < TWiki

```
GLUE2EndpointInterfaceName: org.glite.wms.WMProxy
GLUE2EndpointURL: https://emitestbed41.cnaf.infn.it:7443/glite_wms_wmproxy_server
GLUE2EndpointDowntimeInfo: See the GOC DB for downtimes: https://goc.egi.eu/
GLUE2EndpointImplementationVersion: package glite-wms-wmproxy is not installed
GLUE2EndpointSemantics: http://web.infn.it/gLiteWMS/images/WMS/Docs/wmproxy-guide.pdf
GLUE2EndpointIssuerCA: /C=IT/O=INFN/CN=INFN CA
GLUE2EndpointServingState: production
objectClass: GLUE2Endpoint
GLUE2EndpointInterfaceVersion: 1.0
GLUE2EndpointImplementationName: WMS
GLUE2EndpointTrustedCA: IGTF
GLUE2EndpointID: emitestbed41.cnaf.infn.it_wmproxy_4218551016_org.glite.wms.WMProxy_4218551016
GLUE2EndpointHealthStateInfo: /usr/bin/glite_wms_wmproxy_server is running...
GLUE2EndpointHealthState: ok
GLUE2EndpointStartTime: 2013-02-18T14:03:10Z
GLUE2EntityCreationTime: 2013-02-18T14:58:36Z

# DN_1, emitestbed41.cnaf.infn.it_wmproxy_4218551016_org.glite.wms.WMProxy_4218551016, emitestbed41.cnaf.infn.it_wmproxy_4218551016, resource, glue
dn: GLUE2ExtensionLocalID=DN_1, GLUE2EndpointID=emitestbed41.cnaf.infn.it_wmproxy_4218551016_org.glite.wms.WMProxy_4218551016, GLUE2ServiceID=emitestbed41.cnaf.infn.it_wmproxy_4218551016, GLUE2GroupID=resource, o=glue
GLUE2ExtensionLocalID: DN_1
GLUE2ExtensionKey: DN
objectClass: GLUE2Extension
GLUE2ExtensionValue: /C=IT/O=INFN/OU=Host/L=CNCF/CN=emitestbed41.cnaf.infn.it
GLUE2ExtensionEntityForeignKey: emitestbed41.cnaf.infn.it_wmproxy_4218551016_org.glite.wms.WMProxy_4218551016

# emitestbed41.cnaf.infn.it_wmproxy_4218551016_org.glite.wms.WMProxy_4218551016_Policy, emitestbed41.cnaf.infn.it_wmproxy_4218551016_org.glite.wms.WMProxy_4218551016, emitestbed41.cnaf.infn.it_wmproxy_4218551016, resource, glue
dn: GLUE2PolicyID=emitestbed41.cnaf.infn.it_wmproxy_4218551016_org.glite.wms.WMProxy_4218551016_Policy, GLUE2EndpointID=emitestbed41.cnaf.infn.it_wmproxy_4218551016_org.glite.wms.WMProxy_4218551016, GLUE2ServiceID=emitestbed41.cnaf.infn.it_wmproxy_4218551016, GLUE2GroupID=resource, o=glue
GLUE2AccessPolicyEndpointForeignKey: emitestbed41.cnaf.infn.it_wmproxy_4218551016_org.glite.wms.WMProxy_4218551016
GLUE2EntityValidity: 3600
objectClass: GLUE2Policy
objectClass: GLUE2AccessPolicy
GLUE2PolicyRule: VO:testers.eu-emi.eu
GLUE2PolicyRule: VO:testers2.eu-emi.eu
GLUE2PolicyRule: VO:testers3.eu-emi.eu
GLUE2PolicyScheme: org.glite.standard
GLUE2EntityOtherInfo: InfoProviderName=glite-info-glue2-endpoint
GLUE2EntityOtherInfo: InfoProviderVersion=1.4
GLUE2EntityOtherInfo: InfoProviderHost=emitestbed41.cnaf.infn.it
GLUE2EntityOtherInfo: ProfileName=EGI
GLUE2EntityOtherInfo: ProfileVersion=1.0
GLUE2PolicyUserDomainForeignKey: testers.eu-emi.eu
GLUE2PolicyUserDomainForeignKey: testers2.eu-emi.eu
GLUE2PolicyUserDomainForeignKey: testers3.eu-emi.eu
GLUE2PolicyID: emitestbed41.cnaf.infn.it_wmproxy_4218551016_org.glite.wms.WMProxy_4218551016_Policy
GLUE2EntityName: Access control rules for Endpoint emitestbed41.cnaf.infn.it_wmproxy_4218551016_org.glite.wms.WMProxy_4218551016
GLUE2EntityCreationTime: 2013-02-18T14:58:36Z

# search result
search: 2
result: 0 Success

# numResponses: 8
```

```
# numEntries: 7
```

## Performance test

### Stress test

## Regression tests

### Bugs attached to this task

#### WMS: stops accepting submissions when no swap is available (bug #96136) - PASSED

```
[root@emitestbed41 ~]# /usr/sbin/glite_wms_wmproxy_load_monitor --oper jobSubmit|grep -i swap
Threshold for Swap Usage: 95 => Detected value for Swap Usage: 0.00%
[root@emitestbed41 ~]# cat /proc/swaps
Filename      Type      Size      Used      Priority
/dev/mapper/vg_vol01-lv_swap      partition 8388600   0        -1
[root@emitestbed41 ~]# swapoff /dev/mapper/vg_vol01-lv_swap
[root@emitestbed41 ~]# cat /proc/swaps
[root@emitestbed41 ~]# /usr/sbin/glite_wms_wmproxy_load_monitor --oper jobSubmit|grep -i swap
Threshold for Swap Usage: 95 => Detected value for Swap Usage: 0.00%
```

#### Set asyncjobstart=false to avoid lost jobs (bug #97319) - PASSED

```
[root@emitestbed41 ~]# grep -i asyncj /etc/glite-wms/glite_wms.conf
    AsyncJobStart = false;
```

#### classad plugin functions are broken (bug #100176) - PASSED

List-match for the following jdl:

```
[
Executable = "/bin/echo";
Arguments = "Hello";
StdOutput = "out.log";
StdError = "err.log";
InputSandbox = {};
OutputSandbox = {"out.log", "err.log"};
leftVOMS_FQAN="/gridit/ansys/Role=NULL/Capability=NULL";
rightGlueCEACBR= { "VOMS:/gridit/ansys", "VOMS:/gridit/ansys/Role=SoftwareManager"};
requirements = fqanMember(strcat("VOMS:", leftVOMS_FQAN), rightGlueCEACBR) is true;
myproxyserver="";
ShallowRetryCount = -1;
]
```

if the number of returned queues is more than 0 then the bug is fixed.

```
[capannini@emitestbed08 ~]$ glite-wms-job-list-match -a -c wms_emitestbed41.conf fqanmember_emi2.
```

```
Connecting to the service https://emitestbed41.cnaf.infn.it:7443/glite_wms_wmproxy_server
```

```
=====
```

#### COMPUTING ELEMENT IDs LIST

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

```
*CEId*
- emi-demo08.cnaf.infn.it:8443/cream-lsf-cert
- emi-demo08.cnaf.infn.it:8443/cream-lsf-demo
- emi-demo08.cnaf.infn.it:8443/cream-lsf-testers
- emitestbed29.cnaf.infn.it:8443/cream-pbs-demo
```

- emitestbed32.cnaf.infn.it:8443/cream-lsf-cert
- emitestbed32.cnaf.infn.it:8443/cream-lsf-demo
- emitestbed32.cnaf.infn.it:8443/cream-lsf-testers
- emi-demo13.cnaf.infn.it:8443/cream-pbs-demo
- emitestbed02.cnaf.infn.it:8443/cream-sge-emitesters
- emitestbed09.cnaf.infn.it:8443/cream-sge-emitesters

### ICE removes its pid file at the start() instead of stop() (bug #98724) - PASSED

```

[root@emitestbed41 ~]# ps -ef|grep ice
root      14302  3187  0 12:11 pts/1    00:00:00 grep ice
[root@emitestbed41 ~]# /etc/init.d/glite-wms-ice start
starting ICE... ok
[root@emitestbed41 ~]# ll /var/run/glite-wms-ice-safe.pid
-rw-r--r-- 1 root root 6 19 feb 12:11 /var/run/glite-wms-ice-safe.pid
[root@emitestbed41 ~]# ps -ef|grep ice
glite     14329      1  0 12:11 ?          00:00:00 /usr/bin/glite-wms-ice-safe --conf glite_wms.conf
glite     14334 14329  0 12:11 ?          00:00:00 sh -c /usr/bin/glite-wms-ice --conf glite_wms.conf
glite     14335 14334  0 12:11 ?          00:00:00 /usr/bin/glite-wms-ice --conf glite_wms.conf /var
root      14372  3187  0 12:11 pts/1    00:00:00 grep ice
[root@emitestbed41 ~]# /etc/init.d/glite-wms-ice stop
stopping ICE... ok
[root@emitestbed41 ~]# ps -ef|grep ice
root      14408  3187  0 12:12 pts/1    00:00:00 grep ice
[root@emitestbed41 ~]# ll /var/run/glite-wms-ice-safe.pid
ls: /var/run/glite-wms-ice-safe.pid: No such file or directory

```

### various issues with EMI-1/2 proxy cleanup (bug #98282) PASSED

A bug should be filed because the script `/etc/cron.hourly//purge_proxycache` is not installed.

```

[root@emitestbed41 ~]# ll /var/proxycache/cache/
totale 4
drwx----- 3 glite glite 4096 20 feb 14:52 %2FC%3DIT%2FO%3DINFN%2FOU%3DPersonal%20Certificate%2FL
[root@emitestbed41 ~]#
[root@emitestbed41 ~]# sh /usr/bin/glite-wms-wmproxy-purge-proxycache_keys
mer feb 20 15:14:27 CET 2013: proxy cache leftover private keys cleaner started
=== %2FC%3DIT%2FO%3DINFN%2FOU%3DPersonal%20Certificate%2FL%3DCNAF%2FCN%3DFabio%20Capannini
1857102 4 drwx----- 2 glite glite 4096 feb 20 14:52 ./toolsUnbiB5qDbzhXtRoA
mer feb 20 15:14:27 CET 2013: finished cleaning keys
[root@emitestbed41 ~]#
[root@emitestbed41 ~]# ll /var/proxycache/cache/
totale 4
drwx----- 2 glite glite 4096 20 feb 15:14 %2FC%3DIT%2FO%3DINFN%2FOU%3DPersonal%20Certificate%2FL
[root@emitestbed41 ~]# ll /var/proxycache/cache/%2FC%3DIT%2FO%3DINFN%2FOU%3DPersonal%20Certificat
totale 0

```

### wmproxy init script 'status' does not return error when service is not running (bug #99017) - PASSED

```

[root@emitestbed41 ~]# /etc/init.d/glite-wms-wmproxy stop
Stopping /usr/bin/glite_wms_wmproxy_server... ok
[root@emitestbed41 ~]# /etc/init.d/glite-wms-wmproxy status
/usr/bin/glite_wms_wmproxy_server is not running
[root@emitestbed41 ~]# echo $?
1

```

### glite-wms-job-output requires a valid delegated proxy on the WMS to enable output retrieval (bug #98524) - PASSED

```
[capannini@emitestbed16 ~]$ glite-wms-job-submit -a -c wms_emitestbed41.conf file.jdl
```

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Connecting to the service [https://emitestbed41.cnaf.infn.it:7443/glite\\_wms\\_wmproxy\\_server](https://emitestbed41.cnaf.infn.it:7443/glite_wms_wmproxy_server)

===== glite-wms-job-submit Success =====

The job has been successfully submitted to the WMPProxy  
Your job identifier is:

<https://emitbrc-lamb4.civ.zcu.cz:9000/VNG91uV4KMftPhnCKReT3Q>

=====

```
[capannini@emitestbed16 ~]$ glite-wms-job-status https://emitbrc-lamb4.civ.zcu.cz:9000/VNG91uV4KMftPhnCKReT3Q
```

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

BOOKKEEPING INFORMATION:

Status info for the Job : <https://emitbrc-lamb4.civ.zcu.cz:9000/VNG91uV4KMftPhnCKReT3Q>

Current Status: Done (Success)

Logged Reason(s):

- job completed
- Job Terminated Successfully

Exit code: 0

Status Reason: Job Terminated Successfully

Destination: emi-demo08.cnaf.infn.it:8443/cream-lsf-demo

Submitted: Wed Feb 20 14:52:16 2013 CET

=====

```
[root@emitestbed41 ~]# ls -l /var/SandboxDir/VN/https\_3a\_2f\_2femitbrc-lamb4.civ.zcu.cz\_3a9000\_2fV
totale 24
```

```
drwxrwx--- 2 tst27 glite 4096 20 feb 14:52 input
```

```
-rw-r--r-- 1 glite glite 665 20 feb 14:52 JDLOriginal
```

```
-rw-r--r-- 1 glite glite 2976 20 feb 14:52 JDLStarted
```

```
drwxrwx--- 2 tst27 glite 4096 20 feb 14:52 output
```

```
drwxrwx--- 2 tst27 glite 4096 20 feb 14:52 peek
```

```
lrwxrwxrwx 1 glite glite 64 20 feb 14:52 user.proxy -> /var/glite/spool/glite-renewd/57e4376268
```

```
find /var/SandboxDir/VN/https\_3a\_2f\_2femitbrc-lamb4.civ.zcu.cz\_3a9000\_2fVNG91uV4KMftPhnCKReT3Q/ -
```

```
/var/SandboxDir/VN/https\_3a\_2f\_2femitbrc-lamb4.civ.zcu.cz\_3a9000\_2fVNG91uV4KMftPhnCKReT3Q/user.pr
```

```
/var/SandboxDir/VN/https\_3a\_2f\_2femitbrc-lamb4.civ.zcu.cz\_3a9000\_2fVNG91uV4KMftPhnCKReT3Q/.user.p
```

```
[root@emitestbed41 ~]#
```

```
[root@emitestbed41 ~]# rm -f /var/SandboxDir/VN/https\_3a\_2f\_2femitbrc-lamb4.civ.zcu.cz\_3a9000\_2fV
```

```
[root@emitestbed41 ~]# rm -f /var/SandboxDir/VN/https\_3a\_2f\_2femitbrc-lamb4.civ.zcu.cz\_3a9000\_2fV
```

```
[root@emitestbed41 ~]#
```

```
[root@emitestbed41 ~]#
```

```
[root@emitestbed41 ~]#
```

```
[root@emitestbed41 ~]# ls -l /var/SandboxDir/VN/https\_3a\_2f\_2femitbrc-lamb4.civ.zcu.cz\_3a9000\_2fV
```

```
drwxrwx--- 2 tst27 glite 4096 20 feb 14:52 input
```

```
-rw-r--r-- 1 glite glite 665 20 feb 14:52 JDLOriginal
```

```
-rw-r--r-- 1 glite glite 2976 20 feb 14:52 JDLStarted
```

```
drwxrwx--- 2 tst27 glite 4096 20 feb 14:52 output
```

```
drwxrwx--- 2 tst27 glite 4096 20 feb 14:52 peek
```

```
[capannini@emitestbed16 ~]$ glite-wms-job-output https://emitbrc-lamb4.civ.zcu.cz:9000/VNG91uV4KMftPhnCKReT3Q
```

Connecting to the service [https://emitestbed41.cnaf.infn.it:7443/glite\\_wms\\_wmproxy\\_server](https://emitestbed41.cnaf.infn.it:7443/glite_wms_wmproxy_server)

=====

JOB GET OUTPUT OUTCOME

Output sandbox files for the job:

<https://emitbrc-lamb4.civ.zcu.cz:9000/VNG91uV4KMftPhnCKReT3Q>

glite-wms-job-output requires a valid delegated proxy on the WMS to enable output retrieval(bug #28524) - I

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have been successfully retrieved and stored in the directory:  
/tmp/jobOutput/capannini\_VNG91uV4KMftPhnCKReT3Q

```
=====
[capannini@emitestbed16 ~]$ ls -l /tmp/jobOutput/capannini_VNG91uV4KMftPhnCKReT3Q
totale 0
-rw-rw-r-- 1 capannini capannini 0 20 feb 15:10 pippo
-rw-rw-r-- 1 capannini capannini 0 20 feb 15:10 std.err
-rw-rw-r-- 1 capannini capannini 0 20 feb 15:10 std.out
```

### WMS: fix various bugs on Argus authZ (bug #99092) - PASSED

```
[capannini@emitestbed08 ~]$ glite-wms-job-submit -a -c wms_emitestbed41.conf file.jdl
```

Connecting to the service [https://emitestbed41.cnaf.infn.it:7443/glite\\_wms\\_wmproxy\\_server](https://emitestbed41.cnaf.infn.it:7443/glite_wms_wmproxy_server)

```
===== glite-wms-job-submit Success =====
```

The job has been successfully submitted to the WMPProxy  
Your job identifier is:

[https://emitbrc-lamb4.civ.zcu.cz:9000/thxoEABY\\_xWLLZLD-WwmsA](https://emitbrc-lamb4.civ.zcu.cz:9000/thxoEABY_xWLLZLD-WwmsA)

```
=====
19 Feb, 15:36:27 -I- PID: 16461 - "wmproxy::main": ----- Starting Server Instance -----
19 Feb, 15:36:27 -I- PID: 16461 - "wmproxy::main": WM proxy serving process started
19 Feb, 15:36:27 -I- PID: 16461 - "wmproxy::main": -----
19 Feb, 15:36:27 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Called Operation: getVersion
19 Feb, 15:36:27 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Remote Host Name: emitestbed
19 Feb, 15:36:27 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Remote CLIENT S DN: /C=IT/O=
19 Feb, 15:36:27 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Remote GRST CRED: VOMS 13612
19 Feb, 15:36:27 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Service GRST PROXY LIMIT: 6
19 Feb, 15:36:27 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": WMPProxy instance serving con
19 Feb, 15:36:27 -I- PID: 16461 - "wmpoperations::getVersion": Version retrieved: 3.3.1
19 Feb, 15:36:27 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Called Operation: getProxyRe
19 Feb, 15:36:27 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Remote Host Name: emitestbed
19 Feb, 15:36:27 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Remote CLIENT S DN: /C=IT/O=
19 Feb, 15:36:27 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Remote GRST CRED: VOMS 13612
19 Feb, 15:36:27 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Service GRST PROXY LIMIT: 6
19 Feb, 15:36:27 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": WMPProxy instance serving con
19 Feb, 15:36:27 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Called Operation: putProxy
19 Feb, 15:36:27 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Remote Host Name: emitestbed
19 Feb, 15:36:27 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Remote CLIENT S DN: /C=IT/O=
19 Feb, 15:36:27 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Remote GRST CRED: VOMS 13612
19 Feb, 15:36:27 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Service GRST PROXY LIMIT: 6
19 Feb, 15:36:27 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": WMPProxy instance serving con
19 Feb, 15:36:28 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Called Operation: getTransfe
19 Feb, 15:36:28 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Remote Host Name: emitestbed
19 Feb, 15:36:28 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Remote CLIENT S DN: /C=IT/O=
19 Feb, 15:36:28 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Remote GRST CRED: VOMS 13612
19 Feb, 15:36:28 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Service GRST PROXY LIMIT: 6
19 Feb, 15:36:28 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": WMPProxy instance serving con
19 Feb, 15:36:28 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Called Operation: getFreeQuo
19 Feb, 15:36:28 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Remote Host Name: emitestbed
19 Feb, 15:36:28 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Remote CLIENT S DN: /C=IT/O=
19 Feb, 15:36:28 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Remote GRST CRED: VOMS 13612
19 Feb, 15:36:28 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Service GRST PROXY LIMIT: 6
19 Feb, 15:36:28 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": WMPProxy instance serving con
19 Feb, 15:36:28 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Called Operation: getMaxInpu
19 Feb, 15:36:28 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Remote Host Name: emitestbed
19 Feb, 15:36:28 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Remote CLIENT S DN: /C=IT/O=
19 Feb, 15:36:28 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Remote GRST CRED: VOMS 13612
```

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```
19 Feb, 15:36:28 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Service GRST PROXY LIMIT: 6
19 Feb, 15:36:28 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": WMPProxy instance serving con
19 Feb, 15:36:28 -I- PID: 16461 - "wmpcoreoperations::jobRegister": Delegation ID: pkD35Dbm781GXN
19 Feb, 15:36:28 -I- PID: 16461 - "argus_authZ": creating XACML request for argus
19 Feb, 15:36:28 -I- PID: 16461 - "WMPAuthorizer::authorize": Argus returned PERMIT with mapping
19 Feb, 15:36:28 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Called Operation: jobRegiste
19 Feb, 15:36:28 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Remote Host Name: emitestbed
19 Feb, 15:36:28 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Remote CLIENT S DN: /C=IT/O=
19 Feb, 15:36:28 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Remote GRST CRED: VOMS 13612
19 Feb, 15:36:28 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Service GRST PROXY LIMIT: 6
19 Feb, 15:36:28 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": WMPProxy instance serving con
19 Feb, 15:36:28 -I- PID: 16461 - "wmpcommon::getType": JDL Type: job
19 Feb, 15:36:29 -I- PID: 16461 - "wmpcoreoperations::regist JOB": Registered job id: https://emi
19 Feb, 15:36:29 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Called Operation: getSandbox
19 Feb, 15:36:29 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Remote Host Name: emitestbed
19 Feb, 15:36:29 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Remote CLIENT S DN: /C=IT/O=
19 Feb, 15:36:29 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Remote GRST CRED: VOMS 13612
19 Feb, 15:36:29 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Service GRST PROXY LIMIT: 6
19 Feb, 15:36:29 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": WMPProxy instance serving con
19 Feb, 15:36:29 -I- PID: 16461 - "argus_authZ": creating XACML request for argus
19 Feb, 15:36:29 -I- PID: 16461 - "WMPAuthorizer::authorize": Argus returned PERMIT with mapping
19 Feb, 15:36:29 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Called Operation: jobStart
19 Feb, 15:36:29 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Remote Host Name: emitestbed
19 Feb, 15:36:29 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Remote CLIENT S DN: /C=IT/O=
19 Feb, 15:36:29 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Remote GRST CRED: VOMS 13612
19 Feb, 15:36:29 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": Service GRST PROXY LIMIT: 6
19 Feb, 15:36:29 -I- PID: 16461 - "wmpcommon::initWMPProxyOperation": WMPProxy instance serving con
19 Feb, 15:36:29 -I- PID: 16461 - "argus_authZ": creating XACML request for argus
19 Feb, 15:36:29 -I- PID: 16461 - "WMPAuthorizer::authorize": Argus returned PERMIT with mapping
19 Feb, 15:36:30 -I- PID: 16461 - "wmpcommon::getType": JDL Type: job
```

```
[capannini@emitestbed16 ~]$ glite-wms-job-submit -a -c wms_emitestbed41.conf file.jdl
```

```
Connecting to the service https://emitestbed41.cnaf.infn.it:7443/glite_wms_wmproxy_server
```

```
===== glite-wms-job-submit Success =====
```

```
The job has been successfully submitted to the WMPProxy
Your job identifier is:
```

```
https://emitbrc-lamb4.civ.zcu.cz:9000/SH2P-JdBfAD63u351UoHEA
```

```
[capannini@emitestbed16 ~]$ glite-wms-job-status https://emitbrc-lamb4.civ.zcu.cz:9000/SH2P-JdBfA
```

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

```
BOOKKEEPING INFORMATION:
```

```
Status info for the Job : https://emitbrc-lamb4.civ.zcu.cz:9000/SH2P-JdBfAD63u351UoHEA
```

```
Current Status: Done(Success)
```

```
Logged Reason(s):
```

- job completed
- Job Terminated Successfully

```
Exit code: 0
```

```
Status Reason: Job Terminated Successfully
```

```
Destination: emi-demo08.cnaf.infn.it:8443/cream-lsf-demo
```

```
Submitted: Tue Feb 19 16:16:36 2013 CET
```

```
[capannini@emitestbed16 ~]$
```

```
[capannini@emitestbed16 ~]$ glite-wms-job-output https://emitbrc-lamb4.civ.zcu.cz:9000/SH2P-JdBfA
```

```
Connecting to the service https://emitestbed41.cnaf.infn.it:7443/glite_wms_wmproxy_server
```



=====

JOB GET OUTPUT OUTCOME

Output sandbox files for the job:  
 https://emitbrc-lamb4.civ.zcu.cz:9000/SH2P-JdBfAD63u351UoHEA  
 have been successfully retrieved and stored in the directory:  
 /tmp/jobOutput/capannini\_SH2P-JdBfAD63u351UoHEA

=====

```
[capannini@emitestbed16 ~]$ ls -l /tmp/jobOutput/capannini_SH2P-JdBfAD63u351UoHEA
totale 0
-rw-rw-r-- 1 capannini capannini 0 19 feb 16:22 pippo
-rw-rw-r-- 1 capannini capannini 0 19 feb 16:22 std.err
-rw-rw-r-- 1 capannini capannini 0 19 feb 16:22 std.out
```

### WMS: Job perusal is broken in EMI-2 WMS (bug #98279) - PASSED

```
[capannini@emitestbed16 ~]$ cat perusal.jdl
Executable = "sleeper.sh";
requirements = true;
rank = 1;
EnableZippedIsb=true;
Arguments = "out.txt";
StdOutput = "std.out";
StdError = "std.err";
InputSandbox = {"sleeper.sh"};
OutputSandbox = {"std.out","std.err","out.txt"};
PerusalFileEnable = true;
```

```
[capannini@emitestbed16 ~]$ cat sleeper.sh
#!/bin/bash
```

```
while :
do
    sleep 1
    echo "slept for 1 sec" >>out.txt
done
```

Submitted the job perusal.jdl. Then:

```
[capannini@emitestbed16 ~]$ glite-wms-job-perusal --set -f out.txt https://emitbrc-lamb4.civ.zcu.
```

```
Connecting to the service https://emitestbed41.cnaf.infn.it:7443/glite_wms_wmproxy_server
```

```
===== glite-wms-job-perusal Success =====
```

```
File perusal has been successfully enabled for the job:
https://emitbrc-lamb4.civ.zcu.cz:9000/VQMuCUBEfMq6F6nYWmRteQ
```

=====

```
[capannini@emitestbed16 ~]$ glite-wms-job-perusal --get -f out.txt https://emitbrc-lamb4.civ.zcu.
```

```
Connecting to the service https://emitestbed41.cnaf.infn.it:7443/glite_wms_wmproxy_server
```

```
===== glite-wms-job-perusal Success =====
```

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No files to be retrieved for the job:  
https://emitbrc-lamb4.civ.zcu.cz:9000/VQMuCUBEfMq6F6nYWmRteQ

=====

```
[capannini@emitestbed16 ~]$ glite-wms-job-perusal --get -f out.txt https://emitbrc-lamb4.civ.zcu.
```

Connecting to the service https://emitestbed41.cnaf.infn.it:7443/glite\_wms\_wmproxy\_server

===== glite-wms-job-perusal Success =====

The retrieved files have been successfully stored in:  
/tmp/jobOutput/capannini\_VQMuCUBEfMq6F6nYWmRteQ

=====

-----  
file 1/1: out.txt-20130219170534\_1-20130219170534\_1  
-----

```
[capannini@emitestbed16 ~]$ tail /tmp/jobOutput/capannini_VQMuCUBEfMq6F6nYWmRteQ/out.txt-20130219
slept for 1 sec
slept for 1 sec
slept for 1 sec
slept for 1 sec
slept for 1 sec
slept for 1 sec
slept for 1 sec
slept for 1 sec
slept for 1 sec
slept for 1 sec
slept for 1 sec
```

### **WM memory footprint bloats, especially on 64-bit architectures (bug #97288) - HOPEFULLY FIXED**

This bug cannot be checked in non production environments. A substantial change has been brought in the ldap purchasers, by removing legacy data structures and using a cleaner and unified approach. This needs to be tested in production

-- FabioCapannini - 2013-02-14

---

This topic: IGIRelease > WMSTask34080SL5  
Topic revision: r13 - 2013-02-21 - CristinaAiftimiei



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