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WMS v. 3.6.0 (SL6) test report - CNAF UPDATE

Summary

- Component: **WMS 3.6.0**
- VCS Tag:
- EMI Major Release: **EMI 3**
- Platform: SL6/x86_64 + EPEL
- Outcome: **Ongoing**

Deployment Tests

Upgrade - PASSED

- EMI3_WMS_update_3_6_0.log: EMI3_WMS_update_3_6_0.log

It is necessary to downgrade gridsite, as there is a known issue in version 2.1.0:
Delegation IDs containing non-alphanumeric characters other than a dot, coma or underscore are rejected.

```
yum downgrade gridsite\*
```

Unit Tests - PASSED

Basic Functionality tests

Submission

Normal - PASSED

```
[capannini@emitestbed54 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 1: Submit a normal job - CE_CREAM

==>
==> Test: WMS-job-cycle.py
==> WMS: emitestbed44.cnaf.infn.it
==> Started: 14:57:10
==> Ended : 14:59:55
==>
==>      === test PASSED ===
==>
==> Test log file is WMSService-TS_20130729145710.log
```

- WMSService-TS_20130729145710.log: WMSService-TS_20130729145710.log

Proxy Mode - PASSED

```
[capannini@emitestbed54 WMS-service]$ python WMS-job-cycle.py -c wms-command.conf -V testers.eu-  
====> ++++++  
====> + TestSuite of the WMS Service  
====> + Description: Test a complete job cycle: from submission to get output  
====> ++++++
```

Enter the user proxy password:

Set 1: Submit a normal job - CE_CREAM

```
====>  
====> Test: WMS-job-cycle.py  
====> WMS: emitestbed44.cnaf.infn.it  
====> Started: 14:49:30  
====> Ended : 14:51:20  
====>  
====>     === test PASSED ===  
====>  
====> Test log file is WMSService-TS_20130729144930.log
```

- WMSService-TS_20130729144930.log: WMSService-TS_20130729144930.log

Jdl attributes - MOSTLY PASSED

```
[capannini@emitestbed54 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

```
====> ERROR: Message Archiving the ISB files not found
```

Test 2: Jdl with ExpiryTime

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: emitestbed44.cnaf.infn.it  
====> Started: 15:38:05  
====> Ended : 15:48:31  
====>  
====>     >>> TEST FAILED <<<  
====>
```

Proxy Mode - PASSED

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```
====> >>> failure reason: 1 test(s) fail(s): ['Test 1: Jdl with AllowZippedISB'] <<<
====>
====> Test log file is WMSService-TS_20130729153805.log
```

```
[capannini@emitestbed54 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
====> + TestSuite of the WMS Service
```

Enter the user proxy password:

Test 7: Jdl with OutputSandboxDestURI

Test 7: Jdl with OutputSandboxDestURI - CE_CREAM

```
====>
====> Test: WMS-jdl-attributes-job-cycle.py
====> WMS: emitestbed44.cnaf.infn.it
====> Started: 16:05:19
====> Ended : 16:07:33
====>
====>      === test PASSED ===
====>
====> Test log file is WMSService-TS_20130729160519.log
```

- WMSService-TS_20130729153805.log: WMSService-TS_20130729153805.log
- WMSService-TS_20130729160519.log: WMSService-TS_20130729160519.log

Collection

Bulk submission - FAILED

```
[capannini@emitestbed54 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 2: Submit a bulk of jobs - CE_CREAM

```
====> ERROR: Command glite-wms-job-output --noint --dir /home/capannini/WMS-Test-Suite-new-emitest
Error - Error parsing Job's JDL! Aobrtng...
```

```
====>
====> Test: WMS-job-cycle.py
====> WMS: emitestbed44.cnaf.infn.it
====> Started: 10:51:10
====> Ended : 10:53:23
====>
====> >>> TEST FAILED <<<
====>
====> >>> failure reason: 1 test(s) fail(s): ['Set 2: Submit a bulk of jobs'] <<<
====>
====> Test log file is WMSService-TS_20130730105110.log
====> Error messages have been written in /home/capannini/WMS-Test-Suite-new-emitestbed44/WMS-serv
====>
====> Test directory /home/capannini/WMS-Test-Suite-new-emitestbed44/WMS-service/WMSService-Test_
```

- WMSService-TS_20130730105110.log: WMSService-TS_20130730105110.log

Jdl attributes - MOSTLY PASSED

Dag - FAILED

```
[capannini@emitestbed54 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

====> ERROR: Command glite-wms-job-output --noint --dir /home/capannini/WMS-Test-Suite-new-emitest
Error - Error parsing Job's JDL! Aobrtng...

====>
====> Test: WMS-job-cycle.py
====> WMS: emitestbed44.cnaf.infn.it
====> Started: 11:39:27
====> Ended : 11:49:36
====>
====> >>> TEST FAILED <<<
====>
====> >>> failure reason: 1 test(s) fail(s): ['Set 4: Submit a DAG job'] <<<
====>
====> Test log file is WMSService-TS_20130730113927.log
====> Error messages have been written in /home/capannini/WMS-Test-Suite-new-emitestbed44/WMS-serv
====>
====> Test directory /home/capannini/WMS-Test-Suite-new-emitestbed44/WMS-service/WMSService-Test_
```

• WMSService-TS_20130730113927.log: WMSService-TS_20130730113927.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@emitestbed54 ~]$ glite-wms-job-submit -a -c wms_emitestbed44.conf mpijob.jdl
Connecting to the service https://emitestbed44.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://emitestbed44.cnaf.infn.it:9000/DZ7YiPZ2MJp6m06tAvnKtw

=====
```

```
[capannini@emitestbed54 ~]$ glite-wms-job-status https://emitestbed44.cnaf.infn.it:9000/DZ7YiPZ2M
```

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```
===== glite-wms-job-status Success =====
BOOKKEEPING INFORMATION:

Status info for the Job : https://emitestbed44.cnaf.infn.it:9000/DZ7YiPZ2MJp6mO6tAvnKtw
Current Status:      Done(Success)
Logged Reason(s):
- job completed
- Job Terminated Successfully
Exit code:          0
Status Reason:      Job Terminated Successfully
Destination:        emi-demo13.cnaf.infn.it:8443/cream-pbs-demo
Submitted:          Tue Jul 30 14:36:45 2013 CEST
=====
```

Forwarding parameters for parallel jobs - PASSED

```
[capannini@emitestbed54 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

Set 8: Testing forwarding parameters for parallel jobs Case 5 - CE_CREAM

```
==>
==> Test: WMS-job-cycle.py
==> WMS: emitestbed44.cnaf.infn.it
==> Started: 14:43:53
==> Ended  : 14:46:16
==>
==>      === test PASSED ===
==>
==> Test log file is WMSService-TS_20130730144353.log
```

• WMSService-TS_20130730144353.log: WMSService-TS_20130730144353.log

Perusal - FAILED

```
[capannini@emitestbed54 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 6: Submit a perusal job - CE_CREAM

```
==> ERROR: TEST FAILS. No chunks have been retrieved
==> ERROR: No chunks have been retrieved.
==>
```

Parallel job - PASSED

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```
====> Test: WMS-job-cycle.py
====> WMS: emitestbed44.cnaf.infn.it
====> Started: 14:51:19
====> Ended   : 15:25:43
====>
====>     >>> TEST FAILED <<<
====>
====>     >>> failure reason: 1 test(s) fail(s): ['Set 6: Submit a perusal job'] <<<
====>
====> Test log file is WMSService-TS_20130730145119.log
====> Error messages have been written in /home/capannini/WMS-Test-Suite-new-emitestbed44/WMS-serv
====>
====> Test directory /home/capannini/WMS-Test-Suite-new-emitestbed44/WMS-service/WMSService-Test_
```

- WMSService-TS_20130730145119.log: WMSService-TS_20130730145119.log

Delegation - PASSED

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

```
[capannini@emitestbed54 WMS-service]$ python WMS-delegation-test.py -c wms-command.conf -V testen
====> ++++++
====> + 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: emitestbed44.cnaf.infn.it
====> Started: 15:30:38
====> Ended   : 15:31:49
====>
====>     >>> TEST FAILED <<<
====>
====>     >>> failure reason: 1 test(s) fail(s): ['Test 4: Works with expired proxy'] <<<
====>
====> Test log file is WMSService-TS_20130730153038.log
====> Error messages have been written in /home/capannini/WMS-Test-Suite-new-emitestbed44/WMS-serv
====>
====> Test directory /home/capannini/WMS-Test-Suite-new-emitestbed44/WMS-service/WMSService-Test_
```

- WMSService-TS_20130730153038.log: WMSService-TS_20130730153038.log

List-match - PASSED

Test 7 fails because there are no suitable CEs.

Perusal - FAILED

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====> ERROR: TEST FAILS. Job finishes with status: Done(Success) cannot retrieve output

Test 3: Test prologue and epilogue attributes - CE_CREAM

====> ERROR: TEST FAILS. Job finishes with status: Done(Success) cannot retrieve output

====>

====> Test: WMS-prologue-epilogue.py

====> WMS: emitestbed44.cnaf.infn.it

====> Started: 15:55:34

====> Ended : 16:01:21

====>

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

====>

====> >>> failure reason: 3 test(s) fail(s): ['Test 1: Test prologue attribute', 'Test 2: Test ep

====>

====> Test log file is WMSService-TS_20130730155534.log

====> Error messages have been written in /home/capannini/WMS-Test-Suite-new-emitestbed44/WMS-serv

====>

====> Test directory /home/capannini/WMS-Test-Suite-new-emitestbed44/WMS-service/WMSService-Test_

- WMSService-TS_20130730155534.log: WMSService-TS_20130730155534.log

Shallow and deep resubmission - PASSED

```
[capannini@emitestbed54 WMS-service]$ python WMS-job-resubmit.py -c wms-command.conf -V testers.eu
```

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

```
====> + 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: emitestbed44.cnaf.infn.it

====> Started: 10:51:54

====> Ended : 11:05:03

====>

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

====>

====> Test log file is WMSService-TS_20130731105154.log

- WMSService-TS_20130731105154.log: WMSService-TS_20130731105154.log

Cancel - FAILED

```
[capannini@emitestbed54 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

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

Test 4: Try to cancel a collection job

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://emitestbed44.cnaf.infn.it:9000/A2-LMhE_9duFRI2Pct2kWA statu

Test 8: Try to cancel a MPI job

====>

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

====> WMS: emitestbed44.cnaf.infn.it

====> Started: 11:08:03

====> Ended : 11:29:54

====>

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

====>

====> >>> failure reason: 1 test(s) fail(s): ['Test 7: Try to cancel one node of a parametric job

====>

====> Test log file is WMSService-TS_20130731110803.log

====> Error messages have been written in /home/capannini/WMS-Test-Suite-new-emitestbed44/WMS-serv

====>

====> Test directory /home/capannini/WMS-Test-Suite-new-emitestbed44/WMS-service/WMSService-Test_

- WMSService-TS_20130731110803.log: WMSService-TS_20130731110803.log

Limiter mechanism - FAILED

```
[capannini@emitestbed54 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)

====> ERROR: Faulure reason is not 'System load is too high' as expected.

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

====> ERROR: Faulure reason is not 'System load is too high' as expected.

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

====> ERROR: Faulure reason is not 'System load is too high' as expected.

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

====> ERROR: Faulure reason is not 'System load is too high' as expected.

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

====> ERROR: Faulure reason is not 'System load is too high' as expected.

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

Cancel - FAILED

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====> ERROR: Failure reason is not 'System load is too high' as expected.

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

====> ERROR: Failure reason is not 'System load is too high' as expected.

====>

====> Test: WMS-limiter-mechanism.py

====> WMS: emitestbed44.cnaf.infn.it

====> Started: 11:48:36

====> Ended : 11:49:19

====>

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

====>

====> >>> failure reason: 7 test(s) fail(s): ['Test 1: Test option --load1 threshold for load ave

====>

====> Test log file is WMSService-TS_20130731114836.log

====> Error messages have been written in /home/capannini/WMS-Test-Suite-new-emitestbed44/WMS-serv

====>

====> Test directory /home/capannini/WMS-Test-Suite-new-emitestbed44/WMS-service/WMSService-Test_

- WMSService-TS_20130731114836.log: WMSService-TS_20130731114836.log

Job purge - PASSED

```
[capannini@emitestbed54 WMS-service]$ python WMS-check-purger.py -c wms-command.conf -V testers.e
```

====> + TestSuite of the WMS Service

====> + Description: WMS Purge Mechanism

====> + TestSuite of the WMS Service

Test 3: Test proxy cache purging

====>

====> Test: WMS-check-purger.py

====> WMS: emitestbed44.cnaf.infn.it

====> Started: 11:58:18

====> Ended : 11:58:22

====>

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

====>

====> Test log file is WMSService-TS_20130731115818.log

- WMSService-TS_20130731115818.log: WMSService-TS_20130731115818.log

Configuration file - FAILED (same as in the previous version)

```
[capannini@emitestbed54 WMS-service]$ python WMS-check-configuration-3.4.py -c wms-command.conf -
```

====> + TestSuite of the WMS Service

====> + Description: Check glite_wms.conf file

====> + TestSuite of the WMS Service

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

Limiter mechanism - FAILED

Test 6: Check WorkloadManagerProxy section

Test 7: Check ICE section

```

====>
====> Test: WMS-check-configuration-3.4.py
====> WMS: emitestbed44.cnaf.infn.it
====> Started: 12:13:45
====> Ended  : 12:13:45
====>
====> >>> TEST FAILED <<<
====>
====> >>> failure reason: 3 test(s) fail(s): ['Test 5: Check WorkloadManager section', 'Test 6: C
====>
====> Test log file is WMSService-TS_20130731121345.log
====> Error messages have been written in /home/capannini/WMS-Test-Suite-new-emitestbed44/WMS-serv
====>
====> Test directory /home/capannini/WMS-Test-Suite-new-emitestbed44/WMS-service/WMSService-Test_

```

- WMSService-TS_20130731121345.log: WMSService-TS_20130731121345.log

Proxy renewal - PASSED

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

```

[root@emitestbed44 ~]# /etc/init.d/glite-wms-ice stop
stopping ICE... ok
[root@emitestbed44 ~]# rm -rf /var/ice/persist_dir/*
[root@emitestbed44 ~]# /etc/init.d/glite-wms-ice start
starting ICE... ok
[root@emitestbed44 ~]# rm -f /var/glite/spool/glite-renewd/*

```

then

Setting MYPROXYSERVER=myproxy.cnaf.infn.it in wms-command.conf

```

[capannini@emitestbed54 ~]$ 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@emitestbed54 WMS-service]$ myproxy-init -s myproxy.cnaf.infn.it -d -n
Your identity: /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Fabio Capannini
Enter GRID pass phrase for this identity:
Creating proxy ..... Done
Proxy Verify OK
Your proxy is valid until: Wed Aug  7 14:07:29 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@emitestbed54 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: emitestbed44.cnaf.infn.it
====> Started: 14:09:09
====> Ended   : 14:39:58
====>
====>     === test PASSED ===
====>
====> Test log file is WMSService-TS_20130731140909.log
```

- WMSService-TS_20130731140909.log: WMSService-TS_20130731140909.log

Feedback -

Published information -

bdb database information

Stats database definitions

Performance test

Stress test

Regression tests

Bugs attached to this task

This topic: IGIRRelease > WMSTaskIGIRTC-158SL6-UPDATE

Topic revision: r9 - 2013-07-31 - FabioCapannini



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