

## TESTs:

- Run the following tests from the testsuite of Dmitry Zaborov (WMS CLI)
  - ◆ WMS-cli-basic-cycle.sh: === test NOT passed === due to error 3 (see below)
  - ◆ WMS-cli-basic-cycle-logfile.sh: === test NOT passed === due to error 3 (see below)
  - ◆ WMS-cli-basic-cycle-config.sh: === test PASSED === add a temporary fix for error 2 (see below)
  - ◆ WMS-cli-basic-cycle-default-jdl.sh: === test NOT passed === due to error 3 (see below) and add a temporary fix for error 2 (see below)
  - ◆ WMS-cli-basic-cycle-input.sh: === test PASSED === add a temporary fix for error 2 (see below)
  - ◆ WMS-cli-basic-cycle-resource.sh: === test PASSED === add a temporary fix for error 2 (see below)
  - ◆ WMS-cli-detailed-cycle.sh: === test NOT passed === due to error 3 (see below) and add a temporary fix for error 2 (see below)
  - ◆ WMS-cli-submit-option-to.sh: === test NOT passed === due to error 6 (see below)
  - ◆ WMS-cli-submit-option-valid.sh: === test NOT passed === due to error 7 (see below)
  - ◆ WMS-cli-list-match.sh: === test PASSED ===
  - ◆ WMS-cli-delegate-proxy.sh: === test PASSED ===
  - ◆ WMS-cli-cancel.sh: === test PASSED ===
  - ◆ WMS-cli-status-all.sh: === test NOT passed === due to error 8 (see below)
  - ◆ WMS-cli-logging-info.sh: === test PASSED ===
  - ◆ WMS-cli-job-info.sh: === test NOT passed === due to error 9 (see below)
  - ◆ WMS-cli-file-perusal.sh: === test PASSED ===

## Check bugs:

- **BUG #17534** : unexpected behavior of glite-wms-job-output **PARTIALLY FIXED**
  - ◆ Retrieve the output of a single job without the "--nosubdir" option:

```
[ale@egee-rb-03 UI]$ glite-wms-job-output --dir test https://devel17.cnaf.infn.it:9000/ERnZhyvT49pbPo9gmQQR8g
Connecting to the service https://wms009.cnaf.infn.it:7443/glite_wms_wmproxy_server
Error - Operation Failed
Unable to retrieve the output
```

but the output is correctly stored under directory test/ale\_tpzN\_qsPhV41QLxx4hN9iQ

- ◆ Retrieve the output of two or more jobs without the "--nosubdir" option:

```
[ale@egee-rb-03 UI]$ glite-wms-job-output --dir test https://devel17.cnaf.infn.it:9000/ERnZhyvT49pbPo9gmQQR8g
-----
1 : https://devel17.cnaf.infn.it:9000/ERnZhyvT49pbPo9gmQQR8g
2 : https://devel17.cnaf.infn.it:9000/-DRDiqYsWOMVer-iqY2z9w
a : all
q : quit
-----

Choose one or more jobId(s) in the list - [1-2]all (use , as separator or - for a range)
Connecting to the service https://wms009.cnaf.infn.it:7443/glite_wms_wmproxy_server
Connecting to the service https://wms009.cnaf.infn.it:7443/glite_wms_wmproxy_server
Error - Operation Failed
Unable to retrieve the output for any job
```

but the output are correctly stored:

```
[ale@egee-rb-03 UI]$ ls -l test/*
test/ale_-DRDiqYsWOMVer-iqY2z9w:
total 136
-rw-rw-r-- 1 ale ale 131125 Apr 21 12:53 ls.out

test/ale_ERnZhyvT49pbPo9gmGQR8g:
total 108
-rw-rw-r-- 1 ale ale 105990 Apr 21 12:53 ls.out
```

- ◆ Retrieve the output of one or more jobs with the "--nosubdir" option:

```
[ale@egee-rb-03 UI]$ glite-wms-job-output --noint --dir test --nosubdir https://devel17.cna
Connecting to the service https://wms009.cna
Warning - option --nosubdir specified:
output files with same name will be overridden

Connecting to the service https://wms009.cna
Warning - option --nosubdir specified:
output files with same name will be overridden

Warning - Directory already exists:
/home/ale/UI/test

Do you wish to overwrite it ? [y/n]n : y

Error - Operation Failed
Unable to retrieve the output for any job
```

but the output is correctly stored under directory test

- **BUG #29635** : bad error message for glite\_wms.conf syntax error **FIXED**
  - ◆ Modified the configuration file breaking the syntax, then submit..

```
[ale@egee-rb-03 UI]$ glite-wms-job-submit -a -c ~/UI/etc/wmp_wms009.conf -o uitest
Syntax error occurred:
Error occurred at: Row: 12, Col: 86
" };
//LBAdresse ... "
```

- **BUG #34949** : Ctl-C'ed submission gives funny state **FIXED**
  - ◆ Submit a job with big input data, wait a while and then type Ctrl-C

```
[ale@egee-rb-03 UI]$ glite-wms-job-submit -a -c ~/UI/etc/wmp_wms009.conf -o uitest
Connecting to the service https://wms009.cna
Cancelling copy...

Error - The job has been successfully registered (the JobId is: https://devel17.cna
User killed the command execution
To complete the operation start the job by issuing a submission with the option:
--start https://devel17.cna
--start https://devel17.cna
--start https://devel17.cna
```

The status of the job should be:

```
*****
BOOKKEEPING INFORMATION:
```

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```
Status info for the Job : https://devel17.cnaf.infn.it:9000/gmIXAmuyS5inwyPnQOKBOQ
Current Status:      Submitted
Submitted:          Tue Apr 21 13:01:55 2009 CEST
*****
```

**NOTE** I try to issue a "--start" as suggest, the job is submitted but no one said me that not all the input files have been completely transferred.

```
[root@wms009 ~]# ls -lh /var/glite/SandboxDir/gm/https_3a_2f_2fdevel17.cnaf.infn.it_
-rw-r--r-- 1 dteam043 dteam 28M Apr 21 13:01 /var/glite/SandboxDir/gm/https_3a_2f_2
```

but

```
[ale@egee-rb-03 UI]$ ls -lh data/bigfile
-rw-r--r-- 1 ale ale 50M Aug 24 2006 data/bigfile
```

- **BUG #43601** : glite-wms-job-submit silently adds VO defaults to user configuration **FIXED**
  - ◆ Submit a job using option "--debug"

```
[ale@egee-rb-03 UI]$ glite-wms-job-submit --debug -a -c ~/UI/etc/wmp_wms009.conf -
-----
21 Apr 2009, 13:18:10 -I- PID: 9283 (Debug) - Vo read from proxy certificate extensi
-----
21 Apr 2009, 13:18:10 -I- PID: 9283 (Debug) - VirtualOrganisation value : dteam
-----
21 Apr 2009, 13:18:10 -I- PID: 9283 (Debug) - Configuration file: /home/ale/UI/etc/w
-----
21 Apr 2009, 13:18:10 -I- PID: 9283 (Debug) - Loaded user configuration file:
/home/ale/UI/etc/wmp_wms009.conf
-----
21 Apr 2009, 13:18:10 -I- PID: 9283 (Debug) - Configuration file: /opt/glite/etc/dte
-----
21 Apr 2009, 13:18:10 -I- PID: 9283 (Debug) - Loaded Vo specific configuration file:
/opt/glite/etc/dteam/glite_wmsui.conf
```

As you can see the user configuration is read before the loaded Vo specific configuration file

- **BUG #47134** : WMS UI: glite-wms-job-{delegate-proxy,submit} fail if HOME is not set **FIXED**
  - ◆ Unset the variable HOME and then try to use glite-wms-job-\* commands

```
[ale@egee-rb-03 UI]$ unset HOME; glite-wms-job-submit -a -c ~/UI/etc/wmp_wms009.conf
Connecting to the service https://wms009.cnaf.infn.it:7443/glite_wms_wmproxy_server
===== glite-wms-job-submit Success =====
The job has been successfully submitted to the WMPProxy
```

- **BUG #47677** : WMS job submission aborts on non-existent endpoint **FIXED**
  - ◆ Change the configuration file putting a non-existent wmproxy address

```
[
WmsClient = [
  ErrorStorage="/var/tmp";
  OutputStorage= "/tmp";
  ListenerStorage="/tmp";
  DefaultStatusLevel = 1 ;
```

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```
DefaultLoggingLevel = 0 ;
WMPProxyEndPoints = {"https://wms009.cnaf.infn.it:7443/glite_wms_wmproxy_server"}
JdlDefaultAttributes = [
    requirements = other.GlueCEStateStatus == "Production" && !RegExp("in2p3",other)
    rank =-other.GlueCEStateEstimatedResponseTime ;
];
];
]
```

Then submit a job:

```
[ale@egee-rb-03 UI]$ unset HOME; glite-wms-job-submit -a -c ~/UI/etc/wmp_wms009.conf

Warning - getWmps
Unable to resolve endpoint passed through configuration file: https://non-existent.c

Connecting to the service https://wms009.cnaf.infn.it:7443/glite_wms_wmproxy_server

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

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

- **BUG #48702 : job-list-match fails when first WMS tried is draining FIXED**

- ◆ Use the same configuration file as in the previous bug, then issue a glite-wms-job-list-match

```
[ale@egee-rb-03 UI]$ glite-wms-job-list-match --rank -a -c ~/UI/etc/wmp_wms009.conf

Warning - getWmps
Unable to resolve endpoint passed through configuration file: https://non-existent.c

Connecting to the service https://wms009.cnaf.infn.it:7443/glite_wms_wmproxy_server

=====

COMPUTING ELEMENT IDs LIST
The following CE(s) matching your job requirements have been found:
```

- **BUG #48806 : [glite-wms-job-status] glite-wms-job-status gives an error on SLC5 FIXED**

- ◆ Simply use the glite-wms-job-status command

## ERRORS:

### 1. Missing attribute!

```
[ale@egee-rb-03 WMS-cli]$ glite-wms-job-status --config ./wms.conf https://devel17.cnaf.infn.it

**** Error: UI_JDL_ADD_ERROR ****
Missing VirtualOrganisation attribute inside JDL Default Attributes section "JdlDefaultAttributes"
```

but

```
[ale@egee-rb-03 WMS-cli]$ cat /home/ale/CVS/org.glite.testsuites.ctb/WMS/WMS-cli/wms.conf
[
WmsClient = [
WMPProxyEndPoints = {"https://wms009.cnaf.infn.it:7443/glite_wms_wmproxy_server"};
ErrorStorage="/var/tmp";
OutputStorage= "/tmp";
ListenerStorage="/tmp";
DefaultStatusLevel = 1 ;
DefaultLoggingLevel = 1 ;
jdlDefaultAttributes=[
VirtualOrganisation="dteam";
DefaultNodeRetryCount = 5;
```

ERRORS:

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```
SignificantAttributes = { "Requirements", "Rank" };
MyProxyServer = "myproxy.cern.ch";
requirements = other.GlueCEStateStatus == "Production" || other.GlueCEStateStatus ;
RetryCount = 3;
rank = -other.GlueCEStateEstimatedResponseTime ;
    ]
];
]
```

### 2. Directory "test" must exist!

```
[ale@egee-rb-03 UI]$ glite-wms-job-output --dir test https://devel17.cnaf.infn.it:9000/0NbCpMtGmqwDB2KZLw1_Q
Connecting to the service https://wms009.cnaf.infn.it:7443/glite_wms_wmproxy_server

Error - Unable create dir
/home/ale/UI/test/ale_0NbCpMtGmqwDB2KZLw1_Q
```

### 3. Error or not error?

```
[ale@egee-rb-03 UI]$ glite-wms-job-output https://devel17.cnaf.infn.it:9000/0NbCpMtGmqwDB2KZLw1_Q
Connecting to the service https://wms009.cnaf.infn.it:7443/glite_wms_wmproxy_server

Error - Operation Failed
Unable to retrieve the output
```

but

```
[ale@egee-rb-03 UI]$ ls /tmp/ale_0NbCpMtGmqwDB2KZLw1_Q/
ls.out
```

### 4. Option "--list-only" doesn't work!

```
[ale@egee-rb-03 UI]$ glite-wms-job-output --list-only https://devel17.cnaf.infn.it:9000/wms009
Connecting to the service https://wms009.cnaf.infn.it:7443/glite_wms_wmproxy_server

Error - Operation Failed
Unable to retrieve the output
```

### 5. Man page error, some attributes are repeated and have different description:

```
GLITE-WMS-JOB-STATUS (1)                                GLITE-WMS-JOB-STATUS (1)

NAME:
    glite-wms-job-status

SYNOPSIS
    glite-wms-job-status [options] <jobId>
    --version
    --help
    --config, -c <configfile>
    --vo <voname>
    --debug
    --logfile <filepath>
    --noint
    --version
    --help
```

### 6. Option "--to" doesn't work:

```
[ale@egee-rb-03 WMS-cli]$ glite-wms-job-submit -a --config ./wms.conf --output /tmp/wms-cl
Connecting to the service https://wms009.cnaf.infn.it:7443/glite_wms_wmproxy_server

Error -
ExpiryTime: wrong type caught for attribute
```

### 7. Option "--valid" doesn't work:

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```
[ale@egee-rb-03 WMS-cli]$ glite-wms-job-submit -a --config ./wms.conf --output /tmp/wms-cl
Connecting to the service https://wms009.cnaf.infn.it:7443/glite_wms_wmproxy_server

Error -
ExpiryTime: wrong type caught for attribute
```

### 8. Mandatory attribute not recognize:

```
[ale@egee-rb-03 WMS-cli]$ glite-wms-job-status --config wms.conf --all

**** Warning: UI_CONFIG_ATTRIBUTE ****
Mandatory Attribute default error in configuration file: "LBAddresses"
```

but

```
[ale@egee-rb-03 WMS-cli]$ cat wms.conf
[
  WmsClient = [
    WMPProxyEndPoints = {"https://wms009.cnaf.infn.it:7443/glite_wms_wmproxy_server"};
    ErrorStorage="/var/tmp";
    LBAddresses = {"http://devel17.cnaf.infn.it:9000"};
    OutputStorage= "/tmp";
    ListenerStorage="/tmp";
    DefaultStatusLevel = 1 ;
    DefaultLoggingLevel = 1 ;
    jdlDefaultAttributes=[
      VirtualOrganisation="dteam";
      DefaultNodeRetryCount = 5;
      SignificantAttributes = { "Requirements", "Rank" };
      MyProxyServer = "myproxy.cern.ch";
      requirements = other.GlueCEStateStatus == "Production" || other.GlueCEStateStatus
      RetryCount = 3;
      rank ==other.GlueCEStateEstimatedResponseTime ;
    ]
  ];
]
```

### 9. A dag or not a dag....

```
[ale@egee-rb-03 WMS-cli]$ glite-wms-job-info --jdl-original https://devel17.cnaf.infn.it:
Connecting to the service https://wms009.cnaf.infn.it:7443/glite_wms_wmproxy_server

Error - WMPProxy Server Error
The operation getJDL is not supported for DAG/Collection nodes, please check the jobid:
https://devel17.cnaf.infn.it:9000/1Xv1M6H9W8mVFQK0FTQnyQ
```

but it is a simple job

```
[ale@cream-15 UI]$ glite-wms-job-status -v 2 https://devel17.cnaf.infn.it:9000/1Xv1M6H9W8m
*****
BOOKKEEPING INFORMATION:

Status info for the Job : https://devel17.cnaf.infn.it:9000/1Xv1M6H9W8mVFQK0FTQnyQ
Current Status:      Scheduled
Status Reason:      Job successfully submitted to Globus
Destination:        ce125.cern.ch:2119/jobmanager-lcglsf-grid_2nh_dteam
Submitted:          Wed Apr 22 16:48:27 2009 CEST
---
- Cancelling                =      0
- Children num              =      0
```

-- AlessioGianelle - 21 Apr 2009

This topic: EgeeJra1It > UITestsP2625

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