

## TESTs:

- Run the following tests from the testsuite of Dmitry Zaborov (WMS CLI)
  - ◆ WMS-cli-basic-cycle.sh: ==== test PASSED ====
  - ◆ WMS-cli-basic-cycle-logfile.sh: ==== test PASSED ====
  - ◆ WMS-cli-basic-cycle-config.sh: ==== test PASSED ====
  - ◆ WMS-cli-basic-cycle-default-jdl.sh: ==== test PASSED ====
  - ◆ WMS-cli-basic-cycle-input.sh: ==== test PASSED ====
  - ◆ WMS-cli-basic-cycle-resource.sh: ==== test PASSED ====
  - ◆ WMS-cli-detailed-cycle.sh: ==== test PASSED ====
  - ◆ WMS-cli-submit-option-to.sh: ==== test PASSED ====
  - ◆ WMS-cli-submit-option-valid.sh: ==== test PASSED ====
  - ◆ 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 PASSED ====
  - ◆ WMS-cli-logging-info.sh: ==== test PASSED ====
  - ◆ WMS-cli-job-info.sh: ==== test PASSED ====
  - ◆ WMS-cli-file-perusal.sh: ==== test PASSED ====

## Check bugs:

- BUG #50289 : glite-wms-job-output FIXED
  - ◆ Simply try a glite-wms-job-output

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

=====

                                JOB GET OUTPUT OUTCOME

Output sandbox files for the job:
https://devel17.cnaf.infn.it:9000/8KbjxzoZp41PDtyEmHYByg
have been successfully retrieved and stored in the directory:
/tmp/jobOutput/ale_8KbjxzoZp41PDtyEmHYByg

=====
```

- BUG #51292 : glite-wms-job-status does not load default configuration file FIXED
  - ◆ Verify that the configuration file is present:

```
[root@egee-rb-03 ~]# ll ~ale/.glite/dteam/
total 4
-rw-rw-r-- 1 ale ale 591 Jun 29 12:27 glite_wmsui.conf
```

- ◆ Test the command with "--debug" option:

```
[ale@egee-rb-03 WMS-cli]$ /opt/glite/bin/glite-wms-job-status --debug --all

VirtualOrganisation value :dteam
####
Configuration file loaded: /home/ale/.glite/dteam/glite_wmsui.conf
[
  WmProxyEndpoints = { "https://wms009.cnaf.infn.it:7443/glite_wms_wmproxy_server" }
  JdlDefaultAttributes =
  [
    RetryCount = 3;
    MyProxyServer = "myproxy.cern.ch";
    PerusalFileEnable = false;
    VirtualOrganisation = "dteam";
```

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```
SignificantAttributes = { "Requirements", "Rank", "FuzzyRank" };
ShallowRetryCount = 10;
rank = -other.GlueCEStateEstimatedResponseTime;
AllowZippedISB = true
];
ListenerStorage = "/tmp";
LBAddresses = { "devel15.cnaf.infn.it:9000" };
OutputStorage = "/tmp/jobOutput";
ErrorStorage = "/tmp"
]
#### Mon Jun 29 12:28:26 2009 Debug Message ####
Selected Virtual Organisation name (from proxy certificate extension): dteam
VOMS configuration file successfully loaded:
/home/ale/.glite/dteam/glite_wmsui.conf
[
WmProxyEndPoints = { "https://wms009.cnaf.infn.it:7443/glite_wms_wmproxy_server" }
JdlDefaultAttributes =
[
RetryCount = 3;
MyProxyServer = "myproxy.cern.ch";
PerusalFileEnable = false;
VirtualOrganisation = "dteam";
SignificantAttributes = { "Requirements", "Rank", "FuzzyRank" };
ShallowRetryCount = 10;
rank = -other.GlueCEStateEstimatedResponseTime;
AllowZippedISB = true
];
ListenerStorage = "/tmp";
LBAddresses = { "devel15.cnaf.infn.it:9000" };
OutputStorage = "/tmp/jobOutput";
ErrorStorage = "/tmp"
]
#### End Debug ####

Retrieving Information from LB server devel15.cnaf.infn.it:9000
Please wait: this operation could take some seconds.
```

- **BUG #51293 : glite-wms-job-status does not load LBAddresses attribute FIXED**
  - ◆ Verify that the "LBAddresses" is defined in the configuration file:

```
[root@egee-rb-03 ~]# cat ~ale/.glite/dteam/glite_wmsui.conf
[
OutputStorage = "/tmp/jobOutput";
JdlDefaultAttributes = [
rank = - other.GlueCEStateEstimatedResponseTime;
AllowZippedISB = true;
ShallowRetryCount = 10;
SignificantAttributes = {"Requirements", "Rank", "FuzzyRank"};
PerusalFileEnable = false;
RetryCount = 3;
MyProxyServer = "myproxy.cern.ch";
VirtualOrganisation = "dteam";
];
HLRLocation = "";
ErrorStorage = "/tmp";
LBAddresses = {"devel15.cnaf.infn.it:9000"};
ListenerStorage = "/tmp";
WmProxyEndpoints = {"https://wms009.cnaf.infn.it:7443/glite_wms_wmproxy_server"};
]
]
```

- ◆ Try the glite-wms-job-status command:

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

Retrieving Information from LB server devel15.cnaf.infn.it:9000
Please wait: this operation could take some seconds.
```

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- **BUG #51294** : glite-wms-job-submit: ExpiryTime wrong type **FIXED**
  - ◆ Try the command: `_glite-wms-job-submit -a --config ./wms.conf --output job.id --to 13:16 ./hostname.jdl_`

```
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
Your job identifier is:

https://devel17.cnaf.infn.it:9000/w4NASo3ga-7ah9FEaY4msg

The job identifier has been saved in the following file:
/home/ale/CVS/org.glite.testsuites.ctb/WMS/WMS-cli/job.id
```

- ◆ Then verify that in the jdl the attribute "ExpiryTime" is set correctly:

```
[ale@egee-rb-03 UI]$ glite-wms-job-logging-info -v 3 https://devel17.cnaf.infn.it:9000/w4NASo3ga-7ah9FEaY4msg
ExpiryTime = 1246274160;
[ale@egee-rb-03 UI]$ date -d "@1246274160"
Mon Jun 29 13:16:00 CEST 2009
```

**NOTE:** If you use for example a non-matching jdl, after the expiry time (in this example 13:16) the job should failed:

```
[ale@egee-rb-03 WMS-cli]$ date; glite-wms-job-status https://devel17.cnaf.infn.it:9000/w4NASo3ga-7ah9FEaY4msg
Mon Jun 29 13:14:36 CEST 2009
```

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

```
Status info for the Job : https://devel17.cnaf.infn.it:9000/w4NASo3ga-7ah9FEaY4msg
Current Status:      Waiting
Status Reason:      BrokerHelper: no compatible resources
Submitted:          Mon Jun 29 12:51:52 2009 CEST
```

wait....

```
[ale@egee-rb-03 WMS-cli]$ date; glite-wms-job-status https://devel17.cnaf.infn.it:9000/w4NASo3ga-7ah9FEaY4msg
Mon Jun 29 13:23:06 CEST 2009
```

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

```
Status info for the Job : https://devel17.cnaf.infn.it:9000/w4NASo3ga-7ah9FEaY4msg
Current Status:      Aborted
Status Reason:      request expired
Submitted:          Mon Jun 29 12:51:52 2009 CEST
```

- **BUG #51295** : glite-wms-job-output: fails creating the output directory if not present **FIXED**
  - ◆ Try the command `glite-wms-job-output` with the option `--dir_`

```
[ale@egee-rb-03 WMS-cli]$ glite-wms-job-output --dir pippo https://devel17.cnaf.infn.it:9000/w4NASo3ga-7ah9FEaY4msg
Connecting to the service https://wms009.cnaf.infn.it:7443/glite_wms_wmproxy_server
```

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JOB GET OUTPUT OUTCOME

```
Output sandbox files for the job:
https://devel17.cnaf.infn.it:9000/ljj7OZUc3rA9QcEtnTPP9w
have been successfully retrieved and stored in the directory:
/home/ale/CVS/org.glite.testsuites.ctb/WMS/WMS-cli/pippo/ale_ljj7OZUc3rA9QcEtnTPP9w
```

=====

- **BUG #51296** : glite-wms-job-info: does not recognize if a job is simple or DAG/Collection **FIXED**
  - ◆ Try the command `glite-wms-job-info --jdl-original` with a simple job

```
[ale@egee-rb-03 WMS-cli]$ glite-wms-job-info --jdl-original https://devel17.cnaf.infn.it:9000/Hscj153mT5VhfSBmpvuRyg

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

```
===== glite-wms-job-info Success =====
```

```
The original JDL
for the job https://devel17.cnaf.infn.it:9000/Hscj153mT5VhfSBmpvuRyg :
```

```
[
  RetryCount = 3;
  MyProxyServer = "myproxy.cern.ch";
  JobType = "normal";
  Executable = "/bin/hostname";
  VirtualOrganisation = "dteam";
  SignificantAttributes = { "Requirements", "Rank", "FuzzyRank" };
  StdOutput = "std.out";
  ShallowRetryCount = 10;
  requirements = Other.GlueCEStateStatus == "Special";
  rank = 1;
  Type = "job";
  StdError = "std.err";
  DefaultRank = -other.GlueCEStateEstimatedResponseTime;
  AllowZippedISB = true;
  OutputSandbox = { "std.out", "std.err" }
]
```

=====

### Check old bugs (see here ) :

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

```
[ale@egee-rb-03 WMS-cli]$ glite-wms-job-output --dir test https://devel17.cnaf.infn.it:9000/DZ86rxgKopCQs-7JWSbgRA

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

=====

JOB GET OUTPUT OUTCOME

```
Output sandbox files for the job:
https://devel17.cnaf.infn.it:9000/DZ86rxgKopCQs-7JWSbgRA
have been successfully retrieved and stored in the directory:
/home/ale/CVS/org.glite.testsuites.ctb/WMS/WMS-cli/test/ale_DZ86rxgKopCQs-7JWSbgRA
```

=====

```
[ale@egee-rb-03 WMS-cli]$ ls -l test/*
test/ale_DZ86rxgKopCQs-7JWSbgRA:
total 4
```

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```
-rw-rw-r-- 1 ale ale 0 Jun 29 12:07 std.err  
-rw-rw-r-- 1 ale ale 8 Jun 29 12:07 std.out
```

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

```
[ale@egee-rb-03 WMS-cli]$ glite-wms-job-output --dir test https://devel17.cnaf.infn.it  
-----  
1 : https://devel17.cnaf.infn.it:9000/rXWpP6z-3vx6k-qRIBIqRA  
2 : https://devel17.cnaf.infn.it:9000/g_RheA7OkjPdx0254bmsRg  
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

=====

#### JOB GET OUTPUT OUTCOME

```
Output sandbox files for the job:  
https://devel17.cnaf.infn.it:9000/rXWpP6z-3vx6k-qRIBIqRA  
have been successfully retrieved and stored in the directory:  
/home/ale/CVS/org.glite.testsuites.ctb/WMS/WMS-cli/test/ale_rXWpP6z-3vx6k-qRIBIqRA
```

```
Output sandbox files for the job:  
https://devel17.cnaf.infn.it:9000/g_RheA7OkjPdx0254bmsRg  
have been successfully retrieved and stored in the directory:  
/home/ale/CVS/org.glite.testsuites.ctb/WMS/WMS-cli/test/ale_g_RheA7OkjPdx0254bmsRg
```

=====

```
[ale@egee-rb-03 WMS-cli]$ ls -l test/*  
test/ale_g_RheA7OkjPdx0254bmsRg:  
total 4  
-rw-rw-r-- 1 ale ale 0 Jun 29 12:09 std.err  
-rw-rw-r-- 1 ale ale 19 Jun 29 12:09 std.out
```

```
test/ale_rXWpP6z-3vx6k-qRIBIqRA:  
total 4  
-rw-rw-r-- 1 ale ale 0 Jun 29 12:09 std.err  
-rw-rw-r-- 1 ale ale 19 Jun 29 12:09 std.out
```

### ◆ Retrieve the output of one or more jobs with the "--nosubdir" option (no interactive mode):

```
[ale@egee-rb-03 WMS-cli]$ glite-wms-job-output --noint --dir test --nosubdir https://devel17.cnaf.infn.it
```

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```
Warning - option --nosubdir specified:  
output files with same name will be overridden
```

```
Warning - Directory already exists:  
/home/ale/CVS/org.glite.testsuites.ctb/WMS/WMS-cli/test
```

Connecting to the service https://wms009.cnaf.infn.it:7443/glite\_wms\_wmproxy\_server

```
Warning - option --nosubdir specified:  
output files with same name will be overridden
```

```
Warning - Directory already exists:  
/home/ale/CVS/org.glite.testsuites.ctb/WMS/WMS-cli/test
```

=====

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JOB GET OUTPUT OUTCOME

Output sandbox files for the job:  
https://devel17.cnaf.infn.it:9000/e1Z8\_O15FBb-43Yx-hh7jA  
have been successfully retrieved and stored in the directory:  
/home/ale/CVS/org.glite.testsuites.ctb/WMS/WMS-cli/test

Output sandbox files for the job:  
https://devel17.cnaf.infn.it:9000/gv1zgYohLr4B\_lhGGV5WsQ  
have been successfully retrieved and stored in the directory:  
/home/ale/CVS/org.glite.testsuites.ctb/WMS/WMS-cli/test

```
=====
[ale@egee-rb-03 WMS-cli]$ ls -l test/
-rw-rw-r-- 1 ale ale    0 Jun 29 12:14 std.err
-rw-rw-r-- 1 ale ale   24 Jun 29 12:14 std.out
```

- ◆ Retrieve the output of one or more jobs with the "--nosubdir" option (interactive mode):

```
[ale@egee-rb-03 WMS-cli]$ glite-wms-job-output --dir test --nosubdir https://devel17.cnaf.infn.it:9000/
-----
1 : https://devel17.cnaf.infn.it:9000/JbEEPT6dujftQMRmvyS-wQ
2 : https://devel17.cnaf.infn.it:9000/_atk_nGsU1UI4RgqxxDS1g
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

Warning - option --nosubdir specified:  
output files with same name will be overridden

Warning - Directory already exists:  
/home/ale/CVS/org.glite.testsuites.ctb/WMS/WMS-cli/test

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

Connecting to the service https://wms009.cnaf.infn.it:7443/glite\_wms\_wmproxy\_server

Warning - option --nosubdir specified:  
output files with same name will be overridden

Warning - Directory already exists:  
/home/ale/CVS/org.glite.testsuites.ctb/WMS/WMS-cli/test

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

=====

JOB GET OUTPUT OUTCOME

Output sandbox files for the job:  
https://devel17.cnaf.infn.it:9000/JbEEPT6dujftQMRmvyS-wQ  
have been successfully retrieved and stored in the directory:  
/home/ale/CVS/org.glite.testsuites.ctb/WMS/WMS-cli/test

Output sandbox files for the job:  
https://devel17.cnaf.infn.it:9000/\_atk\_nGsU1UI4RgqxxDS1g  
have been successfully retrieved and stored in the directory:  
/home/ale/CVS/org.glite.testsuites.ctb/WMS/WMS-cli/test

```
=====
[ale@egee-rb-03 WMS-cli]$ ls -l test/
```

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```
-rw-rw-r-- 1 ale ale    0 Jun 29 12:16 std.err  
-rw-rw-r-- 1 ale ale    8 Jun 29 12:16 std.out
```

- **BUG #29635** : bad error message for glite\_wms.conf syntax error **FIXED**
- **BUG #34949** : Ctl-C'ed submission gives funny state **FIXED**
  - ◆ But again no message is given about the failure in the files transfer
- **BUG #43601** : glite-wms-job-submit silently adds VO defaults to user configuration **FIXED**
- **BUG #47134** : WMS UI: glite-wms-job-{delegate-proxy,submit} fail if HOME is not set **FIXED**
- **BUG #47677** : WMS job submission aborts on non-existent endpoint **FIXED**
- **BUG #48702** : job-list-match fails when first WMS tried is draining **FIXED**

-- AlessioGianelle - 09 Jun 2009

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This topic: EgeeJra1It > UITestsP3040

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