Table of Contents

Certification report *internal* patch 3777

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Outcome: **Certified**

Information

Patch 3777	https://savannah.cern.ch/patch/index.php?3777
Build reports	http://etics-repository.cern.ch/repository/reports/id/b67cc5fe-8ebf-4d04-89e1-0b741c1654a6/sl5_x86_64_
Repository	http://etics-repository.cern.ch/repository/pm/registered/repomd/name/patch_3777_3/index.html

Upgrade from production

- Starting from a Production UI we update it.
    - wget
      http://etics-repository.cern.ch/repository/pm/registered/repomd/name/patch_3777_3/etics-registered-bu
      -O /etc/yum.repos.d/glite-UI.repo
    - yum update
    - /opt/glite/yaim/bin/yaim -c -s siteinfo.ui -n glite-UI

Test Report

- running the basic UI tests :

```
[ale@cream-03 UI]$ ./UI-certtest.sh
Using ./UI-certconfig
START Wed Nov  3 17:20:21 CET 2010
------------------------------------------------
Enter the test user pass:
Log files will be stored in /tmp/logs_101103172024
*SL4 tests skipped
*Running SL5 tests
UI-commands-exist-all.sh PASSED
UI-libraries-exist.sh PASSED
UI-security-myproxy-init-info-destroy.sh PASSED
UI-security-voms-proxy-init-info-destroy.sh PASSED
*Running COMMON tests
UI-environment.csh PASSED
UI-environment.sh PASSED
UI-exec-help-glite-delegation.sh PASSED
UI-exec-help-glite-sd-query.sh PASSED
UI-exec-help-lcg-info.sh PASSED
UI-exec-help-lcgtags.sh PASSED
UI-exec-help-managevotag.sh PASSED
UI-exec-version-glite-transfer.sh PASSED
UI-exec-version-glite-wms-job.sh PASSED
UI-exec-version-grid-proxy.sh PASSED
UI-exec-version-lcg.sh PASSED
UI-exec-version-myproxy.sh PASSED
UI-exec-version-uberftp.sh PASSED
UI-exec-version-voms-proxy.sh PASSED
UI-glite-environment.csh PASSED
UI-glite-environment.sh PASSED
UI-inf-lcg-info-ce.sh PASSED
UI-inf-lcg-info-se.sh PASSED
UI-inf-lcg-infosites.sh PASSED
```

```
UI-inf-ldapsearch.sh PASSED
UI-security-grid-cert-info.sh PASSED
UI-security-grid-proxy-info.sh PASSED
UI-security-grid-proxy-init-info-destroy.sh PASSED
UI-security-myproxy-change-pass-phrase.sh PASSED
UI-security-voms-proxy-info.sh PASSED
UI-tags-lcgtags.sh PASSED
UI-tags-managevotag.sh PASSED
UI-workload-glite-submit-wait-output.sh PASSED
UI-workload-glite-wms-deleg-submit-wait-output.sh PASSED
UI-workload-glite-wms-errors.sh PASSED
UI-workload-glite-wms-job-list-match.sh PASSED
UI-workload-glite-wms-submit-wait-output.sh PASSED
TEST_PASSED
```

Zipped log should be found here

- Run modified tests from this WMS CLI   testsuite
    - ♦ WMS-cli-list-match.sh TEST PASSED
        - ◊ Test log file is wms-cli-test_20101029165516.log
    - ♦ WMS-cli-delegate-proxy.sh TEST PASSED
        - ◊ Test log file is wms-cli-test_20101029165612.log
    - ♦ WMS-cli-job-info.sh TEST PASSED
        - ◊ Test log file is wms-cli-test_20101029171518.log
    - ♦ WMS-cli-job-output.sh TEST PASSED
        - ◊ Test log file is wms-cli-test_20101029171641.log
    - ♦ WMS-cli-logging-info.sh TEST PASSED
        - ◊ Test log file is wms-cli-test_20101029181932.log
    - ♦ WMS-cli-status.sh TEST PASSED
        - ◊ Test log file is wms-cli-test_20101029182137.log
    - ♦ WMS-cli-submit.sh TEST PASSED
        - ◊ Test log file is wms-cli-test_20101102111611.log
    - ♦ WMS-cli-cancel.sh TEST PASSED
        - ◊ Test log file is wms-cli-test_20101029165550.log
    - ♦ WMS-cli-file-perusal.sh TEST PASSED
        - ◊ Test log file is wms-cli-test_20101102125222.log
    - ♦ WMS-cli-cycle.sh TEST PASSED
        - ◊ Test log file is wms-cli-test_20101102135418.log

Check Bugs

Bug #50761   : segmentation fault in glite-brokerinfo on glite-WN SL5/x86_64 FIXED

- Install the required rpm

```
[root@cream-03 ~]# yum install glite-wms-brokerinfo-access
Loaded plugins: kernel-module, protectbase
Repository sl-base is listed more than once in the configuration
Repository sl-security is listed more than once in the configuration
Repository sl-fastbugs is listed more than once in the configuration
Repository sl-contrib is listed more than once in the configuration
3 packages excluded due to repository protections
Setting up Install Process
Resolving Dependencies
--> Running transaction check
---> Package glite-wms-brokerinfo-access.x86_64 0:3.3.1-1.sl5 set to be updated
--> Finished Dependency Resolution
```

Test Report   2

```
Beginning Kernel Module Plugin
Finished Kernel Module Plugin

Dependencies Resolved

================================================================================
 Package                              Arch          Version           Repository
================================================================================
Installing:
 glite-wms-brokerinfo-access          x86_64        3.3.1-1.sl5        ETICS-name-pa

Transaction Summary
================================================================================
Install       1 Package(s)
Upgrade       0 Package(s)

Total download size: 124 k
Is this ok [y/N]: y
Downloading Packages:
glite-wms-brokerinfo-access-3.3.1-1.sl5.x86_64.rpm
Running rpm_check_debug
Running Transaction Test
Finished Transaction Test
Transaction Test Succeeded
Running Transaction
  Installing    : glite-wms-brokerinfo-access

Installed:
  glite-wms-brokerinfo-access.x86_64 0:3.3.1-1.sl5

Complete!
```

- Test it

```
[ale@cream-03 ~]$ glite-brokerinfo -f test

glite-brokerinfo: please specify a function with parameters
use glite-brokerinfo --help for functions and parameters list
```

Bug #56034 : Matchmaking with JobType=Normal does not take NodeNumber into account FIXED

- Submit this jdl:

```
[ale@cream-03 ~]$ cat test.jdl
[
Executable = "/bin/ls" ;
Arguments = "-lha " ;
Stdoutput = "ls.out" ;
JobType = "normal";
CpuNumber = 4;
Retrycount = 2;
ShallowRetryCount = -1;
requirements = other.GlueCEStateStatus == "Production" || other.GlueCEStateStatus == "test
usertags = [ exe = "ls" ];
VirtualOrganisation="dteam";
]
```

- And verify the submitted jdl:

```
[ale@cream-03 ~]$ glite-wms-job-submit -a --debug  test.jdl
[...]
02 Nov 2010, 15:43:32 -I- PID: 16559 (Debug) - Submitting JDL [ Retrycount = 2; Arguments =
[...]
```

Bug #59611 : WMS UI: should transfer files even if size is 0 bytes FIXED

```
[ale@cream-03 ~]$  cat test.jdl | grep -v ^#
[
Executable = "/bin/ls" ;
Arguments = "-lha " ;
Stdoutput = "ls.out" ;
InputSandbox = { "test.empty"} ;
OutputSandbox = { ".BrokerInfo", "ls.out"} ;
Retrycount = 2;
ShallowRetryCount = -1;
usertags = [ exe = "ls" ];
VirtualOrganisation="dteam";
]

[ale@cream-03 ~]$ ls -l test.empty
-rw-rw-r-- 1 ale ale 0 Oct 29 17:22 test.empty

[ale@cream-03 ~]$  glite-wms-job-submit -a test.jdl

Connecting to the service https://devel14.cnaf.infn.it:7443/glite_wms_wmproxy_server


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

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

https://devel07.cnaf.infn.it:9000/3IBVL8mGKQxNQmdrPM4QOw

=========================================================================

[ale@cream-03 ~]$ glite-wms-job-status https://devel07.cnaf.infn.it:9000/3IBVL8mGKQxNQmdrPM4QOw


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

Status info for the Job : https://devel07.cnaf.infn.it:9000/3IBVL8mGKQxNQmdrPM4QOw
Current Status:     Done (Success)
Logged Reason(s):
    - job completed
    - Job Terminated Successfully
Exit code:          0
Status Reason:      Job Terminated Successfully
Destination:        infnlns-ce-01.ct.pi2s2.it:8443/cream-lsf-cert
Submitted:          Tue Nov  2 15:50:24 2010 CET
=========================================================================

[ale@cream-03 ~]$ glite-wms-job-output https://devel07.cnaf.infn.it:9000/3IBVL8mGKQxNQmdrPM4QOw

Connecting to the service https://devel14.cnaf.infn.it:7443/glite_wms_wmproxy_server


================================================================================

        JOB GET OUTPUT OUTCOME

Output sandbox files for the job:
https://devel07.cnaf.infn.it:9000/3IBVL8mGKQxNQmdrPM4QOw
have been successfully retrieved and stored in the directory:
/tmp/ale_3IBVL8mGKQxNQmdrPM4QOw

================================================================================
```

```
[ale@cream-03 ~]$ cat /tmp/ale_3IBVL8mGKQxNQmdrPM4QOw/ls.out
total 12K
drwxr-xr-x 2 dteam035 dteam 4.0K Nov  2 15:50 .
drwxr-xr-x 3 dteam035 dteam 4.0K Nov  2 15:50 ..
-rw-r--r-- 1 dteam035 dteam 2.3K Nov  2 15:50 .BrokerInfo
-rw-r--r-- 1 dteam035 dteam    0 Nov  2 15:50 ls.out
-rw-r--r-- 1 dteam035 dteam    0 Nov  2 15:50 test.empty
-rw-r--r-- 1 dteam035 dteam    0 Nov  2 15:50 .tmp_file
```

Bug #60175   : Job Collections using option not working as gLite 3.1 UI FIXED

```
[ale@cream-03 ~]$ ls -l collection/
total 4
-rw-rw-r-- 1 ale ale 344 Nov  2 15:55 test.jdl
[ale@cream-03 ~]$ cat collection/test.jdl
[
JobType="MPICH";
CpuNumber = 2;
Executable = "/bin/ls" ;
Arguments = "-lha " ;
Stdoutput = "ls.out" ;
OutputSandbox = { ".BrokerInfo", "ls.out"} ;
Retrycount = 2;
ShallowRetryCount = 3;
requirements = other.GlueCEStateStatus == "Production" || other.GlueCEStateStatus == "testbedb";
usertags = [ exe = "ls" ];
VirtualOrganisation="dteam";
]


[ale@cream-03 ~]$ glite-wms-job-submit -a --collection collection/

Connecting to the service https://devel14.cnaf.infn.it:7443/glite_wms_wmproxy_server


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

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

https://devel07.cnaf.infn.it:9000/W0dGTWgC5GDU-el1dAf24Q

==========================================================================


[ale@cream-03 ~]$ glite-wms-job-status https://devel07.cnaf.infn.it:9000/W0dGTWgC5GDU-el1dAf24Q


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

Status info for the Job : https://devel07.cnaf.infn.it:9000/W0dGTWgC5GDU-el1dAf24Q
Current Status:     Waiting
Submitted:          Tue Nov  2 16:07:01 2010 CET
==========================================================================

- Nodes information for:
    Status info for the Job : https://devel07.cnaf.infn.it:9000/_PjO4jNq7Ju6VUdgGIUbYQ
    Current Status:     Ready
    Destination:        ce01-lcg.cr.cnaf.infn.it:8443/cream-lsf-dteam
    Submitted:          Tue Nov  2 16:07:01 2010 CET
==========================================================================
```

Bug #67054   : cancel of node in Submitted state connects to ghemon.cnaf.infn.it FIXED

```
[ale@cream-03 ~]$ glite-wms-job-submit -a --register-only test.jdl

Connecting to the service https://devel14.cnaf.infn.it:7443/glite_wms_wmproxy_server


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

The job has been successfully registered to the WMProxy
Your job identifier is:

https://devel07.cnaf.infn.it:9000/7OOMitZ4VWAd8_NV7-30_Q

========================================================================

To complete the operation, the following InputSandbox files need to be transferred:

=============================================================================================
InputSandbox file : /home/ale/test.empty
Destination : gsiftp://devel14.cnaf.infn.it:2811/var/glite/SandboxDir/7O/https_3a_2f_2fdevel07.cn
-----------------------------------------------------------------------

then start the job by issuing a submission with the option:
 --start https://devel07.cnaf.infn.it:9000/7OOMitZ4VWAd8_NV7-30_Q



[ale@cream-03 ~]$ strace glite-wms-job-submit --start  https://devel07.cnaf.infn.it:9000/7OOMitZ4

Connecting to the service https://devel14.cnaf.infn.it:7443/glite_wms_wmproxy_server


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

The job has been successfully started to the WMProxy
Your job identifier is:

https://devel07.cnaf.infn.it:9000/7OOMitZ4VWAd8_NV7-30_Q

========================================================================


[ale@cream-03 ~]$  grep 131.154.100.122 err
[ale@cream-03 ~]$
[ale@cream-03 ~]$ glite-wms-job-status https://devel07.cnaf.infn.it:9000/7OOMitZ4VWAd8_NV7-30_Q


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

Status info for the Job : https://devel07.cnaf.infn.it:9000/7OOMitZ4VWAd8_NV7-30_Q
Current Status:     Scheduled
Status Reason:      unavailable
Destination:        cream-ce.research-infrastructures.eu:8443/cream-pbs-cert
Submitted:          Tue Nov  2 16:13:11 2010 CET
========================================================================
```

Bug #68052   : glite-wms-job-output produces no JSON compliant formatting FIXED

- getOutput with Success for one sandbox retrieved:

```
[ale@cream-03 ~]$ glite-wms-job-output --json https://devel07.cnaf.infn.it:9000/5kVIoGL65UI
{"result": "success", "jobs": {"https://devel07.cnaf.infn.it:9000/5kVIoGL65UFLdWqm5IEZug":
[ale@cream-03 ~]$ ls -l /tmp/ale_5kVIoGL65UFLdWqm5IEZug
total 4
-rw-rw-r-- 1 ale ale 435 Nov  4 10:56 ls.out
[ale@cream-03 ~]$ glite-wms-job-status -v 0 https://devel07.cnaf.infn.it:9000/5kVIoGL65UFLd


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

Status info for the Job : https://devel07.cnaf.infn.it:9000/5kVIoGL65UFLdWqm5IEZug
Current Status:     Cleared
==============================================================================
```

♦ with option --pretty-print

```
[ale@cream-03 ~]$ glite-wms-job-output --json --pretty-print https://devel07.cnaf.in
{
   result: success
   jobs: {
      https://devel07.cnaf.infn.it:9000/7TeeJQ-PxdPGGOrx_qHNhw: {
         endpoint: https://devel14.cnaf.infn.it:7443/glite_wms_wmproxy_server
         output_available: 1
         location: /tmp/ale_7TeeJQ-PxdPGGOrx_qHNhw
      }
   }
}

[ale@cream-03 ~]$ ls -la /tmp/ale_7TeeJQ-PxdPGGOrx_qHNhw
total 12
drwxr-xr-x  2 ale  ale  4096 Nov  4 11:13 .
drwxrwxrwt 15 root root 4096 Nov  4 11:13 ..
-rw-rw-r--  1 ale  ale  1403 Nov  4 11:13 .BrokerInfo
-rw-rw-r--  1 ale  ale     0 Nov  4 11:13 ls.out
[ale@cream-03 ~]$ glite-wms-job-status -v 0 https://devel07.cnaf.infn.it:9000/7TeeJ


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

Status info for the Job : https://devel07.cnaf.infn.it:9000/7TeeJQ-PxdPGGOrx_qHNhw
Current Status:     Cleared
==============================================================================
```

• getOutput with Success with multiple sandbox retrieved (more jobs):

```
[ale@cream-03 ~]$ glite-wms-job-output --json -i jobid_2 --noint
{"result": "success", "jobs": {"https://devel07.cnaf.infn.it:9000/hPcwSbKOjArJ_KPmrMMRdA":
[ale@cream-03 ~]$ ls -la /tmp/ale_hPcwSbKOjArJ_KPmrMMRdA
total 16
drwxr-xr-x  2 ale  ale  4096 Nov  4 11:11 .
drwxrwxrwt 14 root root 4096 Nov  4 11:11 ..
-rw-rw-r--  1 ale  ale  1654 Nov  4 11:11 .BrokerInfo
-rw-rw-r--  1 ale  ale   320 Nov  4 11:11 ls.out
[ale@cream-03 ~]$ ls -la /tmp/ale_8QfzaXm0aHOqCalIDsZnpg
total 16
drwxr-xr-x  2 ale  ale  4096 Nov  4 11:11 .
drwxrwxrwt 14 root root 4096 Nov  4 11:11 ..
-rw-rw-r--  1 ale  ale  1685 Nov  4 11:11 .BrokerInfo
-rw-rw-r--  1 ale  ale   512 Nov  4 11:11 ls.out
[ale@cream-03 ~]$ ls -la /tmp/ale_Ri0zL-FRsoJVoprK7ah5_g
total 16
drwxr-xr-x  2 ale  ale  4096 Nov  4 11:11 .
drwxrwxrwt 14 root root 4096 Nov  4 11:11 ..
-rw-rw-r--  1 ale  ale  2352 Nov  4 11:11 .BrokerInfo
-rw-rw-r--  1 ale  ale   458 Nov  4 11:11 ls.out
```

```
[ale@cream-03 ~]$ glite-wms-job-status -v 0 -i jobid_2 --noint

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

Status info for the Job : https://devel07.cnaf.infn.it:9000/hPcwSbKOjArJ_KPmrMMRdA
Current Status:     Cleared

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

Status info for the Job : https://devel07.cnaf.infn.it:9000/8QfzaXm0aHOqCalIDsZnpg
Current Status:     Cleared

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

Status info for the Job : https://devel07.cnaf.infn.it:9000/Ri0zL-FRsoJVoprK7ah5_g
Current Status:     Cleared
========================================================================


                          *** Log file created ***
Possible Errors and Debug messages have been printed in the following file:
/tmp/glite-wms-job-status_500_633_1288865529.log
```

   ♦ with option --pretty-print

```
[ale@cream-03 ~]$ glite-wms-job-output --json --pretty-print --noint -i jobid
{
   result: success
   jobs: {
      https://devel07.cnaf.infn.it:9000/mcP_zajaNI6ZGTNmraYboA: {
         endpoint: https://devel14.cnaf.infn.it:7443/glite_wms_wmproxy_server
         output_available: 1
         location: /tmp/ale_mcP_zajaNI6ZGTNmraYboA
      }

      https://devel07.cnaf.infn.it:9000/doZDwXgL9OOVb9qV1LUCjQ: {
         endpoint: https://devel14.cnaf.infn.it:7443/glite_wms_wmproxy_server
         output_available: 1
         location: /tmp/ale_doZDwXgL9OOVb9qV1LUCjQ
      }

      https://devel07.cnaf.infn.it:9000/ypd25dCuXqedYYdHwI7F4w: {
         endpoint: https://devel14.cnaf.infn.it:7443/glite_wms_wmproxy_server
         output_available: 1
         location: /tmp/ale_ypd25dCuXqedYYdHwI7F4w
      }
   }
}

[ale@cream-03 ~]$ ls -la /tmp/ale_mcP_zajaNI6ZGTNmraYboA
total 24
drwxr-xr-x  2 ale  ale   4096 Nov  4 11:42 .
drwxrwxrwt 18 root root 12288 Nov  4 11:42 ..
-rw-rw-r--  1 ale  ale   1697 Nov  4 11:42 .BrokerInfo
-rw-rw-r--  1 ale  ale    465 Nov  4 11:42 ls.out
[ale@cream-03 ~]$ ls -la /tmp/ale_doZDwXgL9OOVb9qV1LUCjQ
total 32
drwxr-xr-x  2 ale  ale   4096 Nov  4 11:42 .
drwxrwxrwt 18 root root 12288 Nov  4 11:42 ..
-rw-rw-r--  1 ale  ale   9049 Nov  4 11:42 .BrokerInfo
-rw-rw-r--  1 ale  ale    435 Nov  4 11:42 ls.out
[ale@cream-03 ~]$ ls -la /tmp/ale_ypd25dCuXqedYYdHwI7F4w
total 24
```

```
drwxr-xr-x  2 ale   ale    4096 Nov   4 11:42 .
drwxrwxrwt 18 root  root  12288 Nov   4 11:42 ..
-rw-rw-r--  1 ale   ale    1876 Nov   4 11:42 .BrokerInfo
-rw-rw-r--  1 ale   ale     442 Nov   4 11:42 ls.out
[ale@cream-03 ~]$ glite-wms-job-status -v 0 --noint -i jobid


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


Status info for the Job : https://devel07.cnaf.infn.it:9000/mcP_zajaNI6ZGTNmraYboA
Current Status:     Cleared


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


Status info for the Job : https://devel07.cnaf.infn.it:9000/doZDwXgL9OOVb9qV1LUCjQ
Current Status:     Cleared


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


Status info for the Job : https://devel07.cnaf.infn.it:9000/ypd25dCuXqedYYdHwI7F4w
Current Status:     Cleared
========================================================================



                            *** Log file created ***
Possible Errors and Debug messages have been printed in the following file:
/tmp/glite-wms-job-status_500_757_1288867394.log
```

- getOutput **without** success with sandobox retrieved:

```
[ale@cream-03 ~]$ glite-wms-job-output --json https://devel07.cnaf.infn.it:9000/k_OI1reNc5
{"result": "success", "jobs": {"https://devel07.cnaf.infn.it:9000/k_OI1reNc59LRtfQFPZX_Q":
[ale@cream-03 ~]$ glite-wms-job-status -v 0 https://devel07.cnaf.infn.it:9000/k_OI1reNc59L


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

Status info for the Job : https://devel07.cnaf.infn.it:9000/k_OI1reNc59LRtfQFPZX_Q
Current Status:     Cleared
========================================================================
```

  ♦ with option --pretty-print

```
[ale@cream-03 ~]$ glite-wms-job-output --json --pretty-print https://devel07.cnaf.in
{
   result: success
   jobs: {
      https://devel07.cnaf.infn.it:9000/GVGwWQ2g6pvfAgUx60eFHw: {
         endpoint:
         output_available: 0
         location: None
      }
   }
}


[ale@cream-03 ~]$ glite-wms-job-status -v 0  https://devel07.cnaf.infn.it:9000/GVGwW


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

Status info for the Job : https://devel07.cnaf.infn.it:9000/GVGwWQ2g6pvfAgUx60eFHw
Current Status:     Cleared
========================================================================
```

getOutput of a collection of jobs:

```
[ale@cream-03 ~]$ glite-wms-job-output --json https://devel07.cnaf.infn.it:9000/OYsSNpBCnyv
{"result": "success", "jobs": {"https://devel07.cnaf.infn.it:9000/OYsSNpBCnyvGpwWstM0DAw":
[ale@cream-03 ~]$ ls -la /tmp/ale_OYsSNpBCnyvGpwWstM0DAw
total 60
drwxr-xr-x 12 ale  ale   4096 Nov  4 12:08 .
drwxrwxrwt 19 root root 12288 Nov  4 12:08 ..
-rw-rw-r--  1 ale  ale   1861 Nov  4 12:08 ids_nodes.map
drwxr-xr-x  2 ale  ale   4096 Nov  4 12:08 Node_test1_jdl
drwxr-xr-x  2 ale  ale   4096 Nov  4 12:08 Node_test2_jdl
drwxr-xr-x  2 ale  ale   4096 Nov  4 12:08 Node_test3_jdl
drwxr-xr-x  2 ale  ale   4096 Nov  4 12:08 Node_test4_jdl
drwxr-xr-x  2 ale  ale   4096 Nov  4 12:08 Node_test5_jdl
drwxr-xr-x  2 ale  ale   4096 Nov  4 12:08 Node_test6_jdl
drwxr-xr-x  2 ale  ale   4096 Nov  4 12:08 Node_test7_jdl
drwxr-xr-x  2 ale  ale   4096 Nov  4 12:08 Node_test8_jdl
drwxr-xr-x  2 ale  ale   4096 Nov  4 12:08 Node_test9_jdl
drwxr-xr-x  2 ale  ale   4096 Nov  4 12:08 Node_test_jdl
[ale@cream-03 ~]$ glite-wms-job-status -v 0 https://devel07.cnaf.infn.it:9000/OYsSNpBCnyvG


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

Status info for the Job : https://devel07.cnaf.infn.it:9000/OYsSNpBCnyvGpwWstM0DAw
Current Status:     Cleared
- Nodes information for:
    Status info for the Job : https://devel07.cnaf.infn.it:9000/63OLIfO1DU0ZrJmAF6WgfQ
    Current Status:     Done (Success)
    Status info for the Job : https://devel07.cnaf.infn.it:9000/Cu8dRs04zgahwip1DVX3ZA
    Current Status:     Done (Success)
    Status info for the Job : https://devel07.cnaf.infn.it:9000/GM2O6mzYGXg8jDzmoEVbwQ
    Current Status:     Done (Success)
    Status info for the Job : https://devel07.cnaf.infn.it:9000/Ii-Q4u9ySnJ7bC_0LEwD-w
    Current Status:     Done (Success)
    Status info for the Job : https://devel07.cnaf.infn.it:9000/LvTXC0p6op86P8IwwUZl9A
    Current Status:     Done (Success)
    Status info for the Job : https://devel07.cnaf.infn.it:9000/Ndq7AN_gx6s_p4sTqaG3IQ
    Current Status:     Done (Success)
    Status info for the Job : https://devel07.cnaf.infn.it:9000/W1pEWmyAAZJrDqbK9G8u3w
    Current Status:     Done (Success)
    Status info for the Job : https://devel07.cnaf.infn.it:9000/ZlhsYYeEhqu8D9rZRJ7UYw
    Current Status:     Done (Success)
    Status info for the Job : https://devel07.cnaf.infn.it:9000/mpA7NQYeOEF_5z6NAEGSwA
    Current Status:     Done (Success)
    Status info for the Job : https://devel07.cnaf.infn.it:9000/nm2e-ns1OsUq_09h7-i8YA
    Current Status:     Done (Success)
    Status info for the Job : https://devel07.cnaf.infn.it:9000/pFbt2tfzk65-a5WTHVDRTg
    Current Status:     Done (Success)
==========================================================================
```

♦ with option --pretty-print

```
[ale@cream-03 ~]$ glite-wms-job-output --json --pretty-print https://devel07.cnaf.in
{
    result: success
    jobs: {
        https://devel07.cnaf.infn.it:9000/ab1VuZw7wDUwZx8dBHg6aQ: {
            endpoint: https://devel14.cnaf.infn.it:7443/glite_wms_wmproxy_server
            output_available: 1
            location: /tmp/ale_ab1VuZw7wDUwZx8dBHg6aQ
        }
    }
}
```

- [ale@cream-03 ~]$ ls -l /tmp/ale_ab1VuZw7wDUwZx8dBHg6aQ

```
total 44
-rw-rw-r-- 1 ale ale 1861 Nov  4 13:39 ids_nodes.map
drwxr-xr-x 2 ale ale 4096 Nov  4 13:39 Node_test1_jdl
drwxr-xr-x 2 ale ale 4096 Nov  4 13:39 Node_test2_jdl
drwxr-xr-x 2 ale ale 4096 Nov  4 13:39 Node_test3_jdl
drwxr-xr-x 2 ale ale 4096 Nov  4 13:39 Node_test4_jdl
drwxr-xr-x 2 ale ale 4096 Nov  4 13:39 Node_test5_jdl
drwxr-xr-x 2 ale ale 4096 Nov  4 13:39 Node_test6_jdl
drwxr-xr-x 2 ale ale 4096 Nov  4 13:39 Node_test7_jdl
drwxr-xr-x 2 ale ale 4096 Nov  4 13:39 Node_test8_jdl
drwxr-xr-x 2 ale ale 4096 Nov  4 13:39 Node_test9_jdl
drwxr-xr-x 2 ale ale 4096 Nov  4 13:39 Node_test_jdl
[ale@cream-03 ~]$ glite-wms-job-status -v 0 https://devel07.cnaf.infn.it:9000/ab1Vu2


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

Status info for the Job : https://devel07.cnaf.infn.it:9000/ab1VuZw7wDUwZx8dBHg6aQ
Current Status:     Cleared
- Nodes information for:
    Status info for the Job : https://devel07.cnaf.infn.it:9000/1lmmvko03Q0yWyJbUKFt
    Current Status:     Done (Success)
    Status info for the Job : https://devel07.cnaf.infn.it:9000/6XcVOrd7eYJncWtEsn3S
    Current Status:     Done (Success)
    Status info for the Job : https://devel07.cnaf.infn.it:9000/BADf5Nquq8PpMprfUoYy
    Current Status:     Done (Success)
    Status info for the Job : https://devel07.cnaf.infn.it:9000/NC-A9GK5BZGnjnYRCGBF
    Current Status:     Done (Success)
    Status info for the Job : https://devel07.cnaf.infn.it:9000/W5LnCpt6EfEe2VA2Dqo4
    Current Status:     Done (Success)
    Status info for the Job : https://devel07.cnaf.infn.it:9000/_q438yEfEzolRhQyXQiW
    Current Status:     Done (Success)
    Status info for the Job : https://devel07.cnaf.infn.it:9000/hzuB1QLoXer6vRc98Qk1
    Current Status:     Done (Success)
    Status info for the Job : https://devel07.cnaf.infn.it:9000/mnQIHOqGPcsetPWhPgS4
    Current Status:     Done (Success)
    Status info for the Job : https://devel07.cnaf.infn.it:9000/nUoRvVD-r7CNIrGVM5ZS
    Current Status:     Done (Success)
    Status info for the Job : https://devel07.cnaf.infn.it:9000/tUAa-gGY_pkf1GDitrMe
    Current Status:     Done (Success)
    Status info for the Job : https://devel07.cnaf.infn.it:9000/yku0-p2_Vps_PI7V-3tv
    Current Status:     Done (Success)
==========================================================================
```

- getOutput of single nodes:

```
[ale@cream-03 ~]$ glite-wms-job-output --json --pretty-print https://devel07.cnaf.infn.it:
{
   result: success
   jobs: {
      https://devel07.cnaf.infn.it:9000/a5P0iTZAym0AHHfN4zkLmQ: {
        endpoint: https://devel14.cnaf.infn.it:7443/glite_wms_wmproxy_server
        output_available: 1
        location: /tmp/ale_a5P0iTZAym0AHHfN4zkLmQ
      }
   }
}

[ale@cream-03 ~]$ ls -l /tmp/ale_a5P0iTZAym0AHHfN4zkLmQ
total 4
-rw-rw-r-- 1 ale ale 264 Nov  4 12:21 ls.out
[ale@cream-03 ~]$ glite-wms-job-status https://devel07.cnaf.infn.it:9000/wvjRRMayAnxyd-TVp


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

```
BOOKKEEPING INFORMATION:

Status info for the Job : https://devel07.cnaf.infn.it:9000/wvjRRMayAnxyd-TVp8vo3Q
Current Status:     Running
Submitted:          Thu Nov  4 12:13:15 2010 CET
==========================================================================


- Nodes information for:
    Status info for the Job : https://devel07.cnaf.infn.it:9000/NqeUeg_gcuvyy3IBSZw1gQ
    Current Status:     Running
    Status Reason:      Job successfully submitted to Globus
    Destination:        ce.grid.eenet.ee:2119/jobmanager-lcgpbs-dteam
    Submitted:          Thu Nov  4 12:13:15 2010 CET
==========================================================================


    Status info for the Job : https://devel07.cnaf.infn.it:9000/a5P0iTZAym0AHHfN4zkLmQ
    Current Status:     Cleared
    Status Reason:      user retrieved output sandbox
    Destination:        cce.ihep.ac.cn:8443/cream-pbs-dteam
    Submitted:          Thu Nov  4 12:13:15 2010 CET
==========================================================================

[ale@cream-03 ~]$ glite-wms-job-output --json https://devel07.cnaf.infn.it:9000/NqeUeg_gcu
{"result": "success", "jobs": {"https://devel07.cnaf.infn.it:9000/NqeUeg_gcuvyy3IBSZw1gQ":
[ale@cream-03 ~]$ ls -l /tmp/ale_NqeUeg_gcuvyy3IBSZw1gQ
total 4
-rw-rw-r-- 1 ale ale 395 Nov  4 13:36 ls.out
[ale@cream-03 ~]$ glite-wms-job-status https://devel07.cnaf.infn.it:9000/wvjRRMayAnxyd-TVp


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

Status info for the Job : https://devel07.cnaf.infn.it:9000/wvjRRMayAnxyd-TVp8vo3Q
Current Status:     Cleared
Submitted:          Thu Nov  4 12:13:15 2010 CET
==========================================================================


- Nodes information for:
    Status info for the Job : https://devel07.cnaf.infn.it:9000/NqeUeg_gcuvyy3IBSZw1gQ
    Current Status:     Cleared
    Status Reason:      user retrieved output sandbox
    Destination:        lcg-ce2.usc.cesga.es:2119/jobmanager-lcgpbs-dteam
    Submitted:          Thu Nov  4 12:13:15 2010 CET
==========================================================================


    Status info for the Job : https://devel07.cnaf.infn.it:9000/a5P0iTZAym0AHHfN4zkLmQ
    Current Status:     Cleared
    Status Reason:      user retrieved output sandbox
    Destination:        cce.ihep.ac.cn:8443/cream-pbs-dteam
    Submitted:          Thu Nov  4 12:13:15 2010 CET
==========================================================================
```

Bug #68307   : WMS-UI: syntax error for correct JDL when substr is used FIXED

- To test this bug you need to install *glite-jdl-api-cpp-3.2.4-2.sl5* on a WMS, then try a list-match or a submission with this jdl:

```
[ale@cream-03 ~]$ cat 68307.jdl
[
Executable = "/bin/ls" ;
Arguments = "-lha " ;
Stdoutput = "ls.out" ;
OutputSandbox = { "ls.out"} ;
```

```
requirements = int(substr(other.GLUECECapability[0],size("CPUScalingReferenceSI00="))) ==
VirtualOrganisation="dteam";
]

[ale@cream-03 test]$ glite-wms-job-list-match -a -e https://cream-44.pd.infn.it:7443/glite_

Connecting to the service https://cream-44.pd.infn.it:7443/glite_wms_wmproxy_server


==============================================================================

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

   *CEId*                                                   *Rank*

 - ce106.cern.ch:2119/jobmanager-lcglsf-grid_2nh_dteam            0
 - ce106.cern.ch:2119/jobmanager-lcglsf-grid_dteam               0
 - ce107.cern.ch:2119/jobmanager-lcglsf-grid_2nh_dteam            0
 - ce107.cern.ch:2119/jobmanager-lcglsf-grid_dteam               0
 - ce124.cern.ch:2119/jobmanager-lcglsf-grid_2nh_dteam            0
 - ce124.cern.ch:2119/jobmanager-lcglsf-grid_dteam               0
 - ce125.cern.ch:2119/jobmanager-lcglsf-grid_2nh_dteam            0
 - ce125.cern.ch:2119/jobmanager-lcglsf-grid_dteam               0
 - ce126.cern.ch:2119/jobmanager-lcglsf-grid_2nh_dteam            0
 - ce126.cern.ch:2119/jobmanager-lcglsf-grid_dteam               0
 - ce127.cern.ch:2119/jobmanager-lcglsf-grid_2nh_dteam            0
 - ce127.cern.ch:2119/jobmanager-lcglsf-grid_dteam               0


==============================================================================
```

Bug #68465 : glite-wms-job-cancel produces no JSON compliant formatting FIXED

- Cancel a single job:

```
[ale@cream-03 ~]$ glite-wms-job-submit -a test.jdl

Connecting to the service https://devel14.cnaf.infn.it:7443/glite_wms_wmproxy_server


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

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

https://devel07.cnaf.infn.it:9000/Plkq83qvM9G0UfdsbnQDrQ


==============================================================================


[ale@cream-03 ~]$ glite-wms-job-cancel --json https://devel07.cnaf.infn.it:9000/Plkq83qvM9
{   "result": "success",    "jobs": { "https://devel07.cnaf.infn.it:9000/Plkq83qvM9G0Ufds
[ale@cream-03 ~]$ glite-wms-job-status https://devel07.cnaf.infn.it:9000/Plkq83qvM9G0Ufdsb


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

Status info for the Job : https://devel07.cnaf.infn.it:9000/Plkq83qvM9G0UfdsbnQDrQ
Current Status:     Cancelled
Destination:        cale.uniandes.edu.co:8443/cream-pbs-dteam
Submitted:          Tue Nov  2 16:56:10 2010 CET
==============================================================================
```

- Cancel of single job using --pretty-print option

```
[ale@cream-03 ~]$ glite-wms-job-submit -a test.jdl

Connecting to the service https://devel14.cnaf.infn.it:7443/glite_wms_wmproxy_server


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

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

https://devel07.cnaf.infn.it:9000/B4Pyutn2BU3bhbaxIUgPdA

==============================================================================
[ale@cream-03 ~]$ glite-wms-job-cancel --json --pretty-print https://devel07.cnaf.infn.it:9000/B4
{
   result: success
   jobs: {
     https://devel07.cnaf.infn.it:9000/B4Pyutn2BU3bhbaxIUgPdA: {
       endpoint: https://devel14.cnaf.infn.it:7443/glite_wms_wmproxy_server
       status: cancel requested
     }
   }
}

[ale@cream-03 ~]$ glite-wms-job-status https://devel07.cnaf.infn.it:9000/B4Pyutn2BU3bhbaxIUgPdA


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

Status info for the Job : https://devel07.cnaf.infn.it:9000/B4Pyutn2BU3bhbaxIUgPdA
Current Status:     Cancelled
Destination:        creamce.grid.rug.nl:8443/cream-pbs-medium
Submitted:          Tue Nov  2 16:58:05 2010 CET
==============================================================================
```

- Cancel of multiple jobs:

```
[ale@cream-03 ~]$ glite-wms-job-submit -a -o jobid test.jdl

Connecting to the service https://devel14.cnaf.infn.it:7443/glite_wms_wmproxy_server


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

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

https://devel07.cnaf.infn.it:9000/9IU8sgB_T-882aqSR8_nAQ

The job identifier has been saved in the following file:
/home/ale/jobid

==============================================================================


[ale@cream-03 ~]$ glite-wms-job-submit -a -o jobid test.jdl

Connecting to the service https://devel14.cnaf.infn.it:7443/glite_wms_wmproxy_server


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

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

```
https://devel07.cnaf.infn.it:9000/_eixgfYvYWoCiZ21ER4vYw

The job identifier has been saved in the following file:
/home/ale/jobid

==============================================================================


[ale@cream-03 ~]$ glite-wms-job-submit -a -o jobid test.jdl

Connecting to the service https://devel14.cnaf.infn.it:7443/glite_wms_wmproxy_server


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

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

https://devel07.cnaf.infn.it:9000/fAJnQQPFMqrXT1xAFXVxxg

The job identifier has been saved in the following file:
/home/ale/jobid

==============================================================================


[ale@cream-03 ~]$ glite-wms-job-cancel --json --noint -i jobid
{    "result": "success",    "jobs": { "https://devel07.cnaf.infn.it:9000/9IU8sgB_T-882aqSl
[ale@cream-03 ~]$ glite-wms-job-status -v 0 --noint -i jobid

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

Status info for the Job : https://devel07.cnaf.infn.it:9000/9IU8sgB_T-882aqSR8_nAQ
Current Status:     Cancelled

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

Status info for the Job : https://devel07.cnaf.infn.it:9000/_eixgfYvYWoCiZ21ER4vYw
Current Status:     Aborted

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

Status info for the Job : https://devel07.cnaf.infn.it:9000/fAJnQQPFMqrXT1xAFXVxxg
Current Status:     Cancelled
==============================================================================
```

- Cancel of multiple jobs using option --pretty-print:

```
[ale@cream-03 ~]$ glite-wms-job-submit -a --nomsg -o jobid test.jdl
https://devel07.cnaf.infn.it:9000/PYxQsEgVrmHDD4IOqJj1jw
[ale@cream-03 ~]$ glite-wms-job-submit -a --nomsg -o jobid test.jdl
https://devel07.cnaf.infn.it:9000/brJPQT6fohm3K3lbZ-XDRg
[ale@cream-03 ~]$ glite-wms-job-submit -a --nomsg -o jobid test.jdl
https://devel07.cnaf.infn.it:9000/9tF8yxDrIKD8eUbSBcoXYg
[ale@cream-03 ~]$ glite-wms-job-cancel --json --pretty-print --noint -i jobid
{
   result: success
   jobs: {
     https://devel07.cnaf.infn.it:9000/PYxQsEgVrmHDD4IOqJj1jw: {
       endpoint: https://devel14.cnaf.infn.it:7443/glite_wms_wmproxy_server
       status: cancel requested
     }
     https://devel07.cnaf.infn.it:9000/brJPQT6fohm3K3lbZ-XDRg: {
       endpoint: https://devel14.cnaf.infn.it:7443/glite_wms_wmproxy_server
```

```
        status: cancel requested
      }
      https://devel07.cnaf.infn.it:9000/9tF8yxDrIKD8eUbSBcoXYg: {
        endpoint: https://devel14.cnaf.infn.it:7443/glite_wms_wmproxy_server
        status: cancel requested
      }
    }
  }

[ale@cream-03 ~]$ glite-wms-job-status -v 0 --noint -i jobid

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

Status info for the Job : https://devel07.cnaf.infn.it:9000/PYxQsEgVrmHDD4IOqJj1jw
Current Status:     Scheduled

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

Status info for the Job : https://devel07.cnaf.infn.it:9000/brJPQT6fohm3K3lbZ-XDRg
Current Status:     Cancelled

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

Status info for the Job : https://devel07.cnaf.infn.it:9000/9tF8yxDrIKD8eUbSBcoXYg
Current Status:     Cancelled
==========================================================================


                          *** Log file created ***
 Possible Errors and Debug messages have been printed in the following file:
 /tmp/glite-wms-job-status_500_21640_1288713882.log
```

- Cancel of a collection:

```
[ale@cream-03 ~]$ glite-wms-job-submit -a --nomsg --collection collection/
https://devel07.cnaf.infn.it:9000/k3MKhhKFhvm1GcfLS5cwlA
[ale@cream-03 ~]$ glite-wms-job-cancel --json https://devel07.cnaf.infn.it:9000/k3MKhhKFhv
{    "result": "success",    "jobs": { "https://devel07.cnaf.infn.it:9000/k3MKhhKFhvm1GcfL
[ale@cream-03 ~]$ glite-wms-job-status -v 0 https://devel07.cnaf.infn.it:9000/k3MKhhKFhvm1


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

Status info for the Job : https://devel07.cnaf.infn.it:9000/k3MKhhKFhvm1GcfLS5cwlA
Current Status:     Cancelled
- Nodes information for:
    Status info for the Job : https://devel07.cnaf.infn.it:9000/9eL5KT1JxUG_eJVe9k4N4Q
    Current Status:     Cancelled
    Status info for the Job : https://devel07.cnaf.infn.it:9000/vEyClv387UCVvDM2dM148Q
    Current Status:     Cancelled
==========================================================================
```

- Cancel of a collection with --pretty-print option:

```
[ale@cream-03 ~]$ glite-wms-job-submit -a --nomsg --collection collection/
https://devel07.cnaf.infn.it:9000/pegAcMKjqXVbr1bp0auCLw
[ale@cream-03 ~]$ glite-wms-job-cancel --json --pretty-print https://devel07.cnaf.infn.it:
{
   result: success
   jobs: {
     https://devel07.cnaf.infn.it:9000/pegAcMKjqXVbr1bp0auCLw: {
       endpoint: https://devel14.cnaf.infn.it:7443/glite_wms_wmproxy_server
       status: cancel requested
     }
```

```
    }
}

[ale@cream-03 ~]$ glite-wms-job-status -v 0 https://devel07.cnaf.infn.it:9000/pegAcMKjqXVb

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

Status info for the Job : https://devel07.cnaf.infn.it:9000/pegAcMKjqXVbr1bp0auCLw
Current Status:     Cleared
- Nodes information for:
    Status info for the Job : https://devel07.cnaf.infn.it:9000/NbDqnxsx4h_qYLxZggvU_w
    Current Status:     Cancelled
    Status info for the Job : https://devel07.cnaf.infn.it:9000/S0-KZuWnvjyiX5a90feA9g
    Current Status:     Cancelled
=========================================================================
```

Bug #68786 : "InputSandboxBaseURI" JDL attribute work only in some circumstances... FIXED

- Submit a JDL like this one:

```
[ale@cream-03 ~]$ cat 68786.jdl
[
nodes = {
        [
        executable="/bin/ls" ;
        stdoutput = "std.out";
        outputsandbox= {"std.out"};
        inputsandbox={"renewal_vomses"};
        InputSandboxBaseURI="gsiftp://devel14.cnaf.infn.it:2119/tmp";
        ]
        };
Type = "Collection" ;
requirements =  other.GlueCEStateStatus == "Production" ;
rank = -other.GlueCEStateEstimatedResponseTime ;
virtualorganisation ="dteam";
]

[ale@cream-03 ~]$ glite-wms-job-submit -a 68786.jdl

Connecting to the service https://devel14.cnaf.infn.it:7443/glite_wms_wmproxy_server

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

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

https://devel07.cnaf.infn.it:9000/BZZwYjBR1fAQXHGskqsMgA

=========================================================================
```

Bug #69440 : json format of output isn't correct in glite-wms-job-submit FIXED

- Submit a single job:

```
[ale@cream-03 ~]$ glite-wms-job-submit -a --json test.jdl
{"result": "success", "jobid": "https://devel07.cnaf.infn.it:9000/UU4KKhu4aX0FaeuOkv_BkA",
```
- Submit a sinlge job using a human readble output format:

Bug #68786 : "InputSandboxBaseURI" JDL attribute work only in some circumstances... FIXED   17

```
[ale@cream-03 ~]$ glite-wms-job-submit -a --pretty-print  --json test.jdl
{
  result: success
  jobid: https://devel07.cnaf.infn.it:9000/8ZQ5OPvhEZSJJWFirsYBOw
  endpoint: https://devel14.cnaf.infn.it:7443/glite_wms_wmproxy_server
}
```

- Submit a collection:

```
[ale@cream-03 ~]$ glite-wms-job-submit -a --json  --collection collection/
{"result": "success", "parent": "https://devel07.cnaf.infn.it:9000/5Ny6EjvKg_LG8TmK7NT8rA"
```

- Submit a collection using a human readble output format:

```
[ale@cream-03 ~]$ glite-wms-job-submit -a --json --pretty-print --collection collection/
{
  result: success
  parent: https://devel07.cnaf.infn.it:9000/HhuIuOxlwzh8kK6C66BdYw
  endpoint: https://devel14.cnaf.infn.it:7443/glite_wms_wmproxy_server
  children: {
      Node_test2_jdl: https://devel07.cnaf.infn.it:9000/8Fm1jPyKnerg6y4LcxhiUw
      Node_test_jdl: https://devel07.cnaf.infn.it:9000/onM_xsLVvkhQsFdc41Kddg
    }
}
```

- Submit a dag:

```
[ale@cream-03 ~]$ glite-wms-job-submit -a --json  dag.jdl
{"result": "success", "parent": "https://devel07.cnaf.infn.it:9000/4iw1HxQAyHPkunnKe1aEBw"
```

- Submit a dag using a human readble output format:

```
[ale@cream-03 ~]$ glite-wms-job-submit -a --json --pretty-print dag.jdl
{
  result: success
  parent: https://devel07.cnaf.infn.it:9000/KTOaW_lu_fAafiR3FZ3GsA
  endpoint: https://devel14.cnaf.infn.it:7443/glite_wms_wmproxy_server
  children: {
      nodeB: https://devel07.cnaf.infn.it:9000/XZBKG1oLQbF89LdKRMldyQ
      nodeC: https://devel07.cnaf.infn.it:9000/l5lxlKRrdLVYr9QkK7VUvw
      nodeA: https://devel07.cnaf.infn.it:9000/HvE6OIOTTy871zYTh2f4pA
    }
}
```

Bug #72675   : json format of output isn't correct in glite-wms-job-cancel FIXED

- See tests on bug #68465

Bug #72695   : glite-wms-job-list-match should provide a json-compliant output FIXED

- glite-wms-job-list-match -a --json --rank test.jdl

```
{  "result": "success",  "ceid": ["bocecream.bo.infn.it:8443/cream-pbs-cert", "cream-29.pd
```
- glite-wms-job-list-match -a --json --rank --pretty-print test.jdl

```
{
  result: success
  ceid: bocecream.bo.infn.it:8443/cream-pbs-cert, cream-29.pd.infn.it:8443/cream-pbs-crea
  rank: 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, -12
  }
```

Bug #72870 : The UI does not check type mismatch for SMPGranularity, WholeNodes and HostNumber FIXED

- To test this bug you need to install glite-jdl-api-cpp-3.2.4-2.sl5 on a WMS, then try a list-match or a submission with this jdl:

```
[
executable="/bin/sleep";
arguments="$[$RANDOM%72]";
wholenodes = "true";
hostnumber = 4.3;
smpgranularity = 2.2;
]
```

- Check "wholenodes":

```
[ale@cream-03 ~]$  glite-wms-job-submit -a -e https://cream-44.pd.infn.it:7443/glite_wms_wm

Connecting to the service https://cream-44.pd.infn.it:7443/glite_wms_wmproxy_server


Warning - Unable to submit the job to the service: https://cream-44.pd.infn.it:7443/glite_v
WholeNodes: wrong type caught for attribute

Method: jobSubmit


Error - Operation failed
Unable to find any endpoint where to perform service request
```

- Check "smpgranularity":

```
[ale@cream-03 ~]$  glite-wms-job-submit -a -e https://cream-44.pd.infn.it:7443/glite_wms_wm

Connecting to the service https://cream-44.pd.infn.it:7443/glite_wms_wmproxy_server


Warning - Unable to submit the job to the service: https://cream-44.pd.infn.it:7443/glite_v
SMPGranularity: wrong type caught for attribute

Method: jobSubmit


Error - Operation failed
Unable to find any endpoint where to perform service request
```

- Check "HostNumber":

```
[ale@cream-03 ~]$  glite-wms-job-submit -a -e https://cream-44.pd.infn.it:7443/glite_wms_wm

Connecting to the service https://cream-44.pd.infn.it:7443/glite_wms_wmproxy_server


Warning - Unable to submit the job to the service: https://cream-44.pd.infn.it:7443/glite_v
HostNumber: wrong type caught for attribute

Method: jobSubmit


Error - Operation failed
Unable to find any endpoint where to perform service request
```

Bug #73286 : glite-wms-job-status and glite-wms-job-logging info wrongly see a corrupted help file FIXED

- glite-wms-job-status

```
[ale@cream-03 ~]$ glite-wms-job-status --help


glite-wms-job-status full help


        SYNOPSIS
glite-job-status [options] <jobId>

options:

        --version
        --help
        --config, -c <configfile>
        --debug
        --logfile <filepath>
        --noint
        --input, -i <filepath>
        --output, -o <filepath>
        --all
        --config-vo <configfile>
        --verbosity, -v <level>
        --from <[MM:DD:]hh:mm[:[CC]YY]>
        --to <[MM:DD:]hh:mm[:[CC]YY]>
        --user-tag <<tag name>=<tag value>>
        --status, -s <<status code>>
        --exclude, -e <<status code>>
        --nonodes


        DESCRIPTION

This command prints the status of a job previously submitted using glite-job-submit.
The job status request is sent to the LB that provides the requested information.
This can be done during the whole job life.
glite-job-status can monitor one or more jobs: the jobs to be checked are identified by one or mo

        OPTIONS

        --version
displays UI version.

    --help
displays command usage

    --config, -c <configfile>
if the command is launched with this option, the configuration file pointed by configfile is used

    --debug
When this option is specified, debugging information is displayed on the standard output and writ
The default UI logfile location is:
glite-wms-job-<command_name>_<uid>_<pid>_<time>.log  located under the /var/tmp directory
please notice that this path can be overriden with the '--logfile' option

    --logfile <filepath>
when this option is specified, all information is written into the specified file pointed by file
This option will override the default location of the logfile:
glite-wms-job-<command_name>_<uid>_<pid>_<time>.log  located under the /var/tmp directory

    --noint
```

if this option is specified, every interactive question to the user is skipped and the operation

    --input, -i <filepath>
Allow the user to select the JobId(s) from an input file located in filepath.
The list of jobIds contained in the file is displayed and the user is prompted for a choice. Sing
Ranges can also be selected specifying ends separated by a dash. E.g. selects jobIds in the list
When specified toghether with '--noint', all available JobId are selected.
This option cannot be used when one or more jobIds have been specified as extra command argument

    --output, -o <filepath>
writes the results of the operation in the file specified by filepath instead of the standard out

    --all
displays status information about all job owned by the user submitting the command. This option c
either if one or more jobIds have been specified or if the --input option has been specified. All
listed in the vo-specific UI configuration file $GLITE_WMS_LOCATION/etc/<vo_name>/glite_wmsui.con
fulfil this request.

    --config-vo <configfile>
if the command is launched with this option, the VO-specific configuration file pointed by config

    --verbosity, -v <level>
sets the detail level of information about the job displayed to the user. Possible values for ver

    --from <[MM:DD:]hh:mm[:[CC]YY]>
makes the command query LB for jobs that have been submitted (more precisely entered the "Submitt
If only hours and minutes are specified then the current day is taken into account. If the year i

    --to <[MM:DD:]hh:mm[:[CC]YY]>
makes the command query LB for jobs that have been submitted (more precisely entered the "Submitt
If only hours and minutes are specified then the current day is taken into account.
If the year is not specified then the current year is taken into account.

    --user-tag <<tag name>=<tag value>>
makes the command include only jobs that have defined specified usertag name and value

    --status, -s <<status code>>
makes the command query LB for jobs that are in the specified status.
The status value can be either an integer or a (case insensitive) string; the following possible
UNDEF (0), SUBMITTED(1), WAITING(2), READY(3), SCHEDULED(4), RUNNING(5), DONE(6), CLEARED(7), ABO
UNKNOWN(10), PURGED(11).
This option can be repeated several times, all status conditions will be considered as in a logic

(i.e. -s SUBMITTED --status 3 will query all jobs that are either in SUBMITTED or in READY stat

    --exclude, -e <<status code>>
makes the command query LB for jobs that are NOT in the specified status.
The status value can be either an integer or a (case insensitive) string; the following possible
UNDEF (0), SUBMITTED(1), WAITING(2), READY(3), SCHEDULED(4), RUNNING(5), DONE(6), CLEARED(7), ABO
UNKNOWN(10), PURGED(11).
This option can be repeated several times, all status conditions will be considered as in a logic

(i.e. -e SUBMITTED --exclude 3 will query all jobs that are neither in SUBMITTED nor in READY s

    --nonodes
This option will not display any information of (if present) sub jobs of any dag, only requested

    ENVIRONMENT

GLITE_WMSUI_CONFIG_VAR: This variable may be set to specify the path location of the custom defa

GLITE_WMSUI_CONFIG_VO: This variable may be set to specify the path location of the VO-specific c

GLITE_WMS_LOCATION: This variable must be set when the Glite WMS installation is not located in

GLITE_LOCATION: This variable must be set when the Glite installation is not located in the defau

GLOBUS_LOCATION: This variable must be set when the Globus installation is not located in the def
It is taken into account only by submission and get-output commands

GLOBUS_TCP_PORT_RANGE="<val min> <val max>" This variable must be set to define a range of ports
It is taken into account only by submission of interactive jobs and attach commands

X509_CERT_DIR: This variable may be set to override the default location of the trusted certifica

X509_USER_PROXY: This variable may be set to override the default location of the user proxy cred

   FILES

One of the following paths must exist (seeked with the specified order):
- $GLITE_WMS_LOCATION/etc/
- $GLITE_LOCATION/etc/
- /opt/glite/etc/
- /usr/local/etc/
- /etc/

and contain the following UI configuration files:
glite_wmsui_cmd_var.conf, glite_wmsui_cmd_err.conf, glite_wmsui_cmd_help.conf, <voName>/glite_wms

- glite_wmsui_cmd_var.conf will contain custom configuration default values
A different configuration file may be specified either by using the --config option or by setting
here follows a possible example:
[
RetryCount = 3 ;
ErrorStorage= "/tmp" ;
OutputStorage="/tmp";
ListenerStorage = "/tmp" ;
LoggingTimeout = 30 ;
LoggingSyncTimeout = 30 ;
NSLoggerLevel = 0;
DefaultStatusLevel = 1 ;
DefaultLogInfoLevel = 1;
]

- glite_wmsui_cmd_err.conf will contain UI exception mapping between error codes and error messag

- glite_wmsui_cmd_help.conf will contain UI long-help information (no relocation possible)

- <voName>/glite_wmsui.conf will contain User VO-specific attributes.
A different configuration file may be specified either by using the --config-vo option or by sett
here follows a possible example:
[
LBAddresses = { "tigerman.cnaf.infn.it:9000" };
VirtualOrganisation = "egee";
NSAddresses = { "tigerman.cnaf.infn.it:7772" }
]

Besides those files, a valid proxy must be found inside the following path:
/tmp/x509up_u<uid> (use the X509_USER_PROXY environment variable to override the default locatio

   AUTHORS

Alessandro Maraschini (egee@datamat.it)

- glite-wms-job-logging-info

[ale@cream-03 ~]$ glite-wms-job-logging-info --help

glite-wms-job-logging-info full help

Bug #73286 : glite-wms-job-status and glite-wms-job-logging info wrongly see a corrupted help file FIXED

```
    SYNOPSIS
glite-job-logging-info [options] <jobId>

options:

   --version
   --help
   --config, -c <configfile>
   --debug
   --logfile <filepath>
   --noint
   --input, -i <filepath>
   --output, -o <filepath>
   --config-vo <configfile>
   --verbosity, -v <level>
   --from <[MM:DD:]hh:mm[:[CC]YY]>
   --to <[MM:DD:]hh:mm[:[CC]YY]>
   --user-tag <<tag name>=<tag value>>
   --event <<event code>>
   --exclude, -e <<event code>>


   DESCRIPTION

This command queries the LB persistent DB for logging information about jobs previously submitted
The job logging information are stored permanently by the LB service and can be retrieved also af

   OPTIONS

   --version
displays UI version.

   --help
displays command usage

   --config, -c <configfile>
if the command is launched with this option, the configuration file pointed by configfile is used

   --debug
When this option is specified, debugging information is displayed on the standard output and writ
The default UI logfile location is:
glite-wms-job-<command_name>_<uid>_<pid>_<time>.log  located under the /var/tmp directory
please notice that this path can be overriden with the '--logfile' option

   --logfile <filepath>
when this option is specified, all information is written into the specified file pointed by file
This option will override the default location of the logfile:
glite-wms-job-<command_name>_<uid>_<pid>_<time>.log  located under the /var/tmp directory

   --noint
if this option is specified, every interactive question to the user is skipped and the operation

   --input, -i <filepath>
Allow the user to select the JobId(s) from an input file located in filepath.
The list of jobIds contained in the file is displayed and the user is prompted for a choice. Sing
Ranges can also be selected specifying ends separated by a dash. E.g. selects jobIds in the list
When specified toghether with '--noint', all available JobId are selected.
This option cannot be used when one or more jobIds have been specified as extra command argument

   --output, -o <filepath>
writes the results of the operation in the file specified by filepath instead of the standard out

   --config-vo <configfile>
if the command is launched with this option, the VO-specific configuration file pointed by config

   --verbosity, -v <level>
```

sets the detail level of information about the job displayed to the user. Possible values for ver

    --from <[MM:DD:]hh:mm[:[CC]YY]>
makes the command query LB for jobs that have been submitted (more precisely entered the "Submitt
If only hours and minutes are specified then the current day is taken into account. If the year i

    --to <[MM:DD:]hh:mm[:[CC]YY]>
makes the command query LB for jobs that have been submitted (more precisely entered the "Submitt
If only hours and minutes are specified then the current day is taken into account.
If the year is not specified then the current year is taken into account.

    --user-tag <<tag name>=<tag value>>
makes the command include only jobs that have defined specified usertag name and value

    --event <<event code>>
makes the command query specified events for requested jobid(s)
The event code can be either an integer or a (case insensitive) string; the following possible va
UNDEF, TRANSFER, ACCEPTED, REFUSED, ENQUEUED, DEQUEUED, HELPERCALL, HELPERRETURN, RUNNING, RESUBM
CANCEL, ABORT, CLEAR, PURGE, MATCH, PENDING, REGJOB, CHKPT, LISTENER, CURDESCR, USERTAG, CHANGEAC
RESOURCEUSAGE, REALLYRUNNING
This option can be repeated several times, all event conditions will be considered as in a logica

(i.e. --event PURGE --event 4 will query, for specified jobid(s), all PURGE and ENQUEUED event

    --exclude, -e <<event code>>
makes the command exclude specified events for requested jobid(s)
The event code can be either an integer or a (case insensitive) string; the following possible va
UNDEF, TRANSFER, ACCEPTED, REFUSED, ENQUEUED, DEQUEUED, HELPERCALL, HELPERRETURN, RUNNING, RESUBM
CANCEL, ABORT, CLEAR, PURGE, MATCH, PENDING, REGJOB, CHKPT, LISTENER, CURDESCR, USERTAG, CHANGEAC
RESOURCEUSAGE, REALLYRUNNING
This option can be repeated several times, all event conditions will be considered as in a logica

(i.e. -e PURGE --exclude 4 will query, for specified jobid(s), all events BUT PURGE and ENQUEUE

    ENVIRONMENT

GLITE_WMSUI_CONFIG_VAR: This variable may be set to specify the path location of the custom defa

GLITE_WMSUI_CONFIG_VO: This variable may be set to specify the path location of the VO-specific c

GLITE_WMS_LOCATION: This variable must be set when the Glite WMS installation is not located in

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GLOBUS_TCP_PORT_RANGE="<val min> <val max>" This variable must be set to define a range of ports
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X509_CERT_DIR: This variable may be set to override the default location of the trusted certifica

X509_USER_PROXY: This variable may be set to override the default location of the user proxy cred

    FILES

One of the following paths must exist (seeked with the specified order):
- $GLITE_WMS_LOCATION/etc/
- $GLITE_LOCATION/etc/
- /opt/glite/etc/
- /usr/local/etc/
- /etc/

and contain the following UI configuration files:
glite_wmsui_cmd_var.conf, glite_wmsui_cmd_err.conf, glite_wmsui_cmd_help.conf, <voName>/glite_wms

Bug #73286 : glite-wms-job-status and glite-wms-job-logging info wrongly see a corrupted help file FIXED

```
- glite_wmsui_cmd_var.conf will contain custom configuration default values
A different configuration file may be specified either by using the --config option or by setting
here follows a possible example:
[
RetryCount = 3 ;
ErrorStorage= "/tmp" ;
OutputStorage="/tmp";
ListenerStorage = "/tmp" ;
LoggingTimeout = 30 ;
LoggingSyncTimeout = 30 ;
NSLoggerLevel = 0;
DefaultStatusLevel = 1 ;
DefaultLogInfoLevel = 1;
]

- glite_wmsui_cmd_err.conf will contain UI exception mapping between error codes and error messag

- glite_wmsui_cmd_help.conf will contain UI long-help information (no relocation possible)

- <voName>/glite_wmsui.conf  will contain User VO-specific attributes.
A different configuration file may be specified either by using the --config-vo option or by sett
here follows a possible example:
[
LBAddresses = { "tigerman.cnaf.infn.it:9000" };
VirtualOrganisation = "egee";
NSAddresses = { "tigerman.cnaf.infn.it:7772" }
]

Besides those files, a valid proxy must be found inside the following path:
/tmp/x509up_u<uid> ( use the X509_USER_PROXY environment variable to override the default locatio

    AUTHORS

Alessandro Maraschini (egee@datamat.it)
```

-- ElisabettaMolinari - 2010-07-06

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