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WMS 3.3.5-2 test report - IGIRTC-89

Summary

- Component: **WMS 3.3.5-2**
- Savannah task: 32312
- ETICS Subsystem Configuration Name: **emi-wms_R_3_3_9_0**
- VCS Tag: *emi-ice_R_3_3_5_4*, *emi-wms-manager_R_3_3_1_3*, *emi-jobsubmission_R_3_3_2_1*, *emi-wmproxy_R_3_3_5_1*, *emi-wms-brokerinfo_R_3_3_2_1*, *emi-wms-configuration_R_3_3_2_1*, *emi-wms-ism_R_3_3_2_1*, *emi-wms-matchmaking_R_3_3_2_1*, *emi-wms-purger_R_3_3_2_1*, *emi-yaim-wms_R_4_1_5_1*, *emi-jdl-api-cpp_R_3_2_6_1*, *emi-wms-nagios_R_1_0_0_0*, *emi-wms-mp_R_1_0_2_0*
- EMI Major Release: **EMI 1 (Kebnekaise)**
- Platform: SL5/x86_64
- Test repport: EMI_WMS_3_3_5_2_test_report.txt
- Certification report: EMI_WMS_3_3_5_2_cert_report.txt
- Outcome: **Certified**

Deployment Tests

Clean installation

- 20120726_171444_EMI1_CERT_INSTALL_SL5-64_WMS.log: 20120726_171444_EMI1_CERT_INSTALL_SL5-64_WMS.log

Update

- 20120719_160232_WMS-EMI1_UPDATE_SL5x64.log: 20120719_160232_WMS-EMI1_UPDATE_SL5x64.log

Unit Tests

N/A: Tests will be available with EMI-2.

Basic Functionality tests

Submission

Where possible the tests should use internal testbed CEs (located in Padova). This is accomplished by adding the following line to wms-command.conf:

```
DEFAULTREQ= other.GlueCEStateStatus == "Testing"
```

This is not possible, for example, for parallel jobs.

Normal

```
[capannini@cert-17 WMS-service]$ python WMS-job-cycle.py -c wms-command.conf -V dteam -d 3 -l -t
===> ++++++++++++++++++++++++++++++++++++++++++++++++++
===> + 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 (3 cases LCG-CE, CREAM, general)


 Test 1A: Submit to an LCG-CE


 Test 1B: Submit to a CREAM CE


 Test 1C: Submit without restrictions

===>
===> Test: WMS-job-cycle.py
===> WMS: cert-25.cnaf.infn.it
===> Started: 17:36:32
===> Ended  : 18:09:56
===>
===>     === test PASSED ===
===>
===> Test log file is WMSService-TS_20120726173632.log

[capannini@cert-17 WMS-service]$ python WMS-job-cycle.py -c wms-command.conf -V testers.eu-emi.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 (3 cases LCG-CE, CREAM, general)


 Test 1A: Submit to an LCG-CE


 Test 1B: Submit to a CREAM CE


 Test 1C: Submit without restrictions

===>
===> Test: WMS-job-cycle.py
===> WMS: cert-25.cnaf.infn.it
===> Started: 10:23:56
===> Ended  : 10:42:16
===>
===>     === test PASSED ===
===>
===> Test log file is WMSService-TS_20120727102356.log

[capannini@cert-17 WMS-service]$ myproxy-init -d
Your identity: /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Fabio Capannini
Creating proxy ............................... Done
Proxy Verify OK
```

```
Your proxy is valid until: Fri Aug  3 10:27:41 2012
Enter MyProxy pass phrase:
Verifying - Enter MyProxy pass phrase:
A proxy valid for 168 hours (7.0 days) for user /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Fa
[capannini@cert-17 WMS-service]$ myproxy-logon -d --voms dteam
Enter MyProxy pass phrase:
Your identity: /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Fabio Capannini/CN=proxy/CN=proxy/C
Contacting  voms2.hellasgrid.gr:15004 [/C=GR/O=HellasGrid/OU=hellasgrid.gr/CN=voms2.hellasgrid.gr
Creating proxy ..................................................................................

Your proxy is valid until Fri Jul 27 21:28:11 2012
A credential has been received for user /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Fabio Capa
[capannini@cert-17 WMS-service]$ voms-proxy-info -all
subject   : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Fabio Capannini/CN=proxy/CN=proxy/CN=p
issuer    : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Fabio Capannini/CN=proxy/CN=proxy/CN=p
identity  : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Fabio Capannini/CN=proxy/CN=proxy/CN=p
type      : proxy
strength  : 2048 bits
path      : /tmp/x509up_u504
timeleft  : 10:59:49
key usage : Digital Signature, Key Encipherment, Data Encipherment
=== VO dteam extension information ===
VO        : dteam
subject   : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Fabio Capannini
issuer    : /C=GR/O=HellasGrid/OU=hellasgrid.gr/CN=voms2.hellasgrid.gr
attribute : /dteam/Role=NULL/Capability=NULL
attribute : /dteam/NGI_IT/Role=NULL/Capability=NULL
timeleft  : 11:58:49
uri       : voms2.hellasgrid.gr:15004
[capannini@cert-17 WMS-service]$ python WMS-job-cycle.py -c wms-command.conf -d 3 -l -t 1
===> ++++++++++++++++++++++++++++++++++++++++++++++++++++
===> + TestSuite of the WMS Service
===> + Description: Test a complete job cycle: from submission to get output
===> ++++++++++++++++++++++++++++++++++++++++++++++++++++

 Set 1: Submit a normal job (3 cases LCG-CE, CREAM, general)


 Test 1A: Submit to an LCG-CE


 Test 1B: Submit to a CREAM CE


 Test 1C: Submit without restrictions

===>
===> Test: WMS-job-cycle.py
===> WMS: cert-25.cnaf.infn.it
===> Started: 10:28:59
===> Ended  : 10:56:20
===>
===>     === test PASSED ===
===>
===> Test log file is WMSService-TS_20120727102859.log
```

- WMSService-TS_20120726173632.log: WMSService-TS_20120726173632.log
- submit.tgz: submit.tgz

Proxy mode

Pointing the testsuite at cert-26:

```
[capannini@cert-17 WMS-service]$ python WMS-job-cycle.py -c wms-command.conf -V dteam -d 3 -l -t
===> ++++++++++++++++++++++++++++++++++++++++++++++++++++
```

```
===> + 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 (3 cases LCG-CE, CREAM, general)


 Test 1A: Submit to an LCG-CE


 Test 1B: Submit to a CREAM CE


 Test 1C: Submit without restrictions

===>
===> Test: WMS-job-cycle.py
===> WMS: cert-26.cnaf.infn.it
===> Started: 11:05:43
===> Ended  : 11:25:33
===>
===>     === test PASSED ===
===>
===> Test log file is WMSService-TS_20120727110543.log
```

- WMSService-TS_20120727110543.log: WMSService-TS_20120727110543.log

Jdl with *DataRequirements*

Disabling the requirement DEFAULTREQ= other.GlueCEStateStatus == "Testing":

```
[capannini@cert-17 WMS-service]$ cat JDLs/data-req.jdl
##########################################
#      JDL with Data Requirements        #
##########################################

Executable = "/bin/ls";
Arguments = "-la";
StdOutput = "std.out";
StdError = "std.err";
Prologue = "prologue.sh";

FuzzyRank = true;
Environment={"LFC_HOST=prod-lfc-shared-central.cern.ch", "LFC_HOME=prod-lfc-shared-central.cern.c
InputSandbox = {"JDLs/prologue.sh"};
OutputSandbox = {"std.out", "std.err","prologue.out", "PI_1M.txt"};

DataRequirements = {
[
DataCatalogType = "DLI";
DataCatalog ="http://prod-lfc-shared-central.cern.ch:8085/";
InputData = { "lfn:/grid/dteam/fcapanni/PI_1M.txt" };
]
};

DataAccessProtocol = "gsiftp";
AllowZippedISB=true;
RetryCount = 1;
ShallowRetryCount = 2;

[capannini@cert-17 WMS-service]$ python WMS-job-cycle.py -c wms-command.conf -V dteam -d 3 -l -t
===> ++++++++++++++++++++++++++++++++++++++++++++++++++
===> + 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 (3 cases LCG-CE, CREAM, general)


 Test 1A: Submit to an LCG-CE


 Test 1B: Submit to a CREAM CE


 Test 1C: Submit without restrictions

===>
===> Test: WMS-job-cycle.py
===> WMS: cert-25.cnaf.infn.it
===> Started: 11:53:40
===> Ended  : 12:05:04
===>
===>     === test PASSED ===
===>
===> Test log file is WMSService-TS_20120727115340.log
```

- WMSService-TS_20120727115340.log: WMSService-TS_20120727115340.log

Jdl with *ISBBaseURI* and *OSBDestURI*

Test on CREAM ce:

```
[capannini@cert-17 certification]$ cat URI.jdl
##########################################
#      JDL with ISBURI & OSBDestURI      #
##########################################

Executable = "exe.sh";
StdOutput = "std.out";
StdError = "std.err";

InputSandboxBaseURI = "gsiftp://emi-demo12.cnaf.infn.it:2811/tmp";

FuzzyRank = true;
InputSandbox = {"exe.sh", "test1", "test2"};
OutputSandbox = {"std.out", "std.err"};
OutputSandboxDestURI = {"gsiftp://cert-26.cnaf.infn.it:2811/tmp/myjobOutput", "std.err"};


requirements = ( other.GlueCEStateStatus == "Testing" ) &&  regexp("/cream", other.GlueCEUniqueID
#requirements = !regexp("/cream", other.GlueCEUniqueID);
DataAccessProtocol = "gsiftp";
RetryCount = 1;
ShallowRetryCount = 2;

[capannini@cert-17 certification]$ glite-wms-job-submit -a -c ~/wms_cert-25.conf URI.jdl

Connecting to the service https://cert-25.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://cert-25.cnaf.infn.it:9000/7NcVgYqFmRlwMVOFPKlsfw
```

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

[capannini@cert-17 certification]$ glite-wms-job-status https://cert-25.cnaf.infn.it:9000/7NcVgYq


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

Status info for the Job : https://cert-25.cnaf.infn.it:9000/7NcVgYqFmRlwMVOFPKlsfw
Current Status:     Done (Success)
Logged Reason(s):
    - Transfer to CREAM failed due to exception: Failed to create a delegation id for job https:/
    - Job Terminated Successfully
Exit code:          0
Status Reason:      Job Terminated Successfully
Destination:        cream-39.pd.infn.it:8443/cream-pbs-cert
Submitted:          Fri Jul 27 12:15:36 2012 CEST
================================================================================

[capannini@cert-17 certification]$ glite-wms-job-output https://cert-25.cnaf.infn.it:9000/7NcVgYq

Connecting to the service https://cert-25.cnaf.infn.it:7443/glite_wms_wmproxy_server


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

         JOB GET OUTPUT OUTCOME

Output sandbox files for the job:
https://cert-25.cnaf.infn.it:9000/7NcVgYqFmRlwMVOFPKlsfw
have been successfully retrieved and stored in the directory:
/tmp/jobOutput/capannini_7NcVgYqFmRlwMVOFPKlsfw

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

[capannini@cert-17 certification]$ ls /tmp/jobOutput/capannini_7NcVgYqFmRlwMVOFPKlsfw
std.err

Log on cert-26:

[root@cert-26 tmp]# cat /tmp/myjobOutput
7NcVgYqFmRlwMVOFPKlsfw
total 16
-rwxr-xr-x 1 dteam026 dteam 80 Jul 27 12:16 exe.sh
-rw-r--r-- 1 dteam026 dteam  0 Jul 27 12:16 std.err
-rw-r--r-- 1 dteam026 dteam 23 Jul 27 12:16 std.out
-rw-r--r-- 1 dteam026 dteam  6 Jul 27 12:16 test1
-rw-r--r-- 1 dteam026 dteam  6 Jul 27 12:16 test2
```

===> Test PASSED

On an LCG-CE:

```
[capannini@cert-17 certification]$ glite-wms-job-submit -a -c ~/wms_cert-25.conf URI.jdl

Connecting to the service https://cert-25.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://cert-25.cnaf.infn.it:9000/gDxF05JrP_3MyS6sPt-hDQ

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

```
[capannini@cert-17 certification]$ glite-wms-job-status https://cert-25.cnaf.infn.it:9000/gDxF05J


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

Status info for the Job : https://cert-25.cnaf.infn.it:9000/gDxF05JrP_3MyS6sPt-hDQ
Current Status:     Done (Success)
Exit code:          0
Status Reason:      Job terminated successfully
Destination:        cream-26.pd.infn.it:2119/jobmanager-lcgpbs-creamtest1
Submitted:          Fri Jul 27 12:25:38 2012 CEST
==========================================================================

[capannini@cert-17 certification]$ glite-wms-job-output https://cert-25.cnaf.infn.it:9000/gDxF05J

Connecting to the service https://cert-25.cnaf.infn.it:7443/glite_wms_wmproxy_server


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

         JOB GET OUTPUT OUTCOME

Output sandbox files for the job:
https://cert-25.cnaf.infn.it:9000/gDxF05JrP_3MyS6sPt-hDQ
have been successfully retrieved and stored in the directory:
/tmp/jobOutput/capannini_gDxF05JrP_3MyS6sPt-hDQ

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


[capannini@cert-17 certification]$ ls /tmp/jobOutput/capannini_gDxF05JrP_3MyS6sPt-hDQ
std.err

Log on cert-26:

[root@cert-26 tmp]# cat /tmp/myjobOutput
gDxF05JrP_3MyS6sPt-hDQ
total 36
-rwxr-xr-x  1 dteam022 dteam  80 Jul 27 12:26 exe.sh
-rw-r--r--  1 dteam022 dteam 118 Jul 27 12:26 https_3a_2f_2fcert-25.cnaf.infn.it_3a9000_2fgDxF05J
-rw-r--r--  1 dteam022 dteam   0 Jul 27 12:26 std.err
-rw-r--r--  1 dteam022 dteam  23 Jul 27 12:26 std.out
-rw-r--r--  1 dteam022 dteam   6 Jul 27 12:26 test1
-rw-r--r--  1 dteam022 dteam   6 Jul 27 12:26 test2
-rw-------  1 dteam022 dteam 103 Jul 27 12:26 tmp.cPOtjVv997
-rw-------  1 dteam022 dteam   0 Jul 27 12:26 tmp.RRmVxO1010
-rw-------  1 dteam022 dteam   2 Jul 27 12:26 tmp.RrrMIn1011
-rw-------  1 dteam022 dteam   2 Jul 27 12:26 tmp.ToUGiKN996
-rw-------  1 dteam022 dteam 103 Jul 27 12:26 tmp.wWmweN1012
```

===> Test PASSED

Jdl with *ISBBaseURI* and *OSBBaseDestURI*

Submit to CREAM CE

```
[capannini@cert-17 certification]$ cat BaseURI.jdl
########################################
#  JDL with ISBURI & OSBBaseDestURI       #
########################################

Executable = "exe.sh";
StdOutput = "std.out";
```

```
StdError = "std.err";

InputSandboxBaseURI = "gsiftp://emi-demo12.cnaf.infn.it:2811/tmp";

FuzzyRank = true;
InputSandbox = {"exe.sh", "test1", "test2"};
OutputSandbox = {"std.out", "std.err"};
OutputSandboxBaseDestURI="gsiftp://devel20.cnaf.infn.it:2811/tmp";

requirements = other.GlueCEStateStatus == "Testing" &&  !regexp("/cream", other.GlueCEUniqueID);

RetryCount = 1;
ShallowRetryCount = 2;

[capannini@cert-17 certification]$ glite-wms-job-submit -a -c ~/wms_cert-25.conf BaseURI.jdl

Connecting to the service https://cert-25.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://cert-25.cnaf.infn.it:9000/l3pwc0eaoOK3M4xdB0UI4Q

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

[capannini@cert-17 certification]$ glite-wms-job-status https://cert-25.cnaf.infn.it:9000/l3pwc0e


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

Status info for the Job : https://cert-25.cnaf.infn.it:9000/l3pwc0eaoOK3M4xdB0UI4Q
Current Status:     Done (Success)
Logged Reason(s):
    - job completed
    - Job Terminated Successfully
Exit code:          0
Status Reason:      Job Terminated Successfully
Destination:        cream-23.pd.infn.it:8443/cream-lsf-cert
Submitted:          Fri Jul 27 14:14:28 2012 CEST
==========================================================================

[capannini@cert-17 certification]$ glite-wms-job-output https://cert-25.cnaf.infn.it:9000/l3pwc0e

Connecting to the service https://cert-25.cnaf.infn.it:7443/glite_wms_wmproxy_server


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

         JOB GET OUTPUT OUTCOME

No output files to be retrieved for the job:
https://cert-25.cnaf.infn.it:9000/l3pwc0eaoOK3M4xdB0UI4Q

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

Log on devel20:

[root@devel20 ~]# ls /tmp/std*
/tmp/std.err  /tmp/std.out
[root@devel20 ~]# cat /tmp/std.out
l3pwc0eaoOK3M4xdB0UI4Q
total 16
-rwxr-xr-x 1 dteam003 dteam 80 Jul 27 14:14 exe.sh
```

```
-rw-r--r-- 1 dteam003 dteam  0 Jul 27 14:14 std.err
-rw-r--r-- 1 dteam003 dteam 23 Jul 27 14:14 std.out
-rw-r--r-- 1 dteam003 dteam  6 Jul 27 14:14 test1
-rw-r--r-- 1 dteam003 dteam  6 Jul 27 14:14 test2
```

===> Test PASSED

Submit to an LCG-CE:

```
[capannini@cert-17 certification]$ glite-wms-job-submit -a -c ~/wms_cert-25.conf BaseURI.jdl

Connecting to the service https://cert-25.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://cert-25.cnaf.infn.it:9000/oKS2LzwymNeWdncCEsNzzw

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


[capannini@cert-17 certification]$ glite-wms-job-status https://cert-25.cnaf.infn.it:9000/oKS2Lzw


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

Status info for the Job : https://cert-25.cnaf.infn.it:9000/oKS2LzwymNeWdncCEsNzzw
Current Status:     Done (Success)
Exit code:          0
Status Reason:      Job terminated successfully
Destination:        cream-26.pd.infn.it:2119/jobmanager-lcgpbs-cert
Submitted:          Fri Jul 27 14:47:53 2012 CEST
==========================================================================

[capannini@cert-17 certification]$ glite-wms-job-output https://cert-25.cnaf.infn.it:9000/oKS2Lzw

Connecting to the service https://cert-25.cnaf.infn.it:7443/glite_wms_wmproxy_server


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

         JOB GET OUTPUT OUTCOME

No output files to be retrieved for the job:
https://cert-25.cnaf.infn.it:9000/oKS2LzwymNeWdncCEsNzzw

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

Log on devel20:

[root@devel20 ~]# ls /tmp/std*
/tmp/std.err  /tmp/std.out
You have new mail in /var/spool/mail/root
[root@devel20 ~]#
[root@devel20 ~]# cat /tmp/std.out
oKS2LzwymNeWdncCEsNzzw
total 36
-rwxr-xr-x  1 dteam022 dteam  80 Jul 27 14:48 exe.sh
-rw-r--r--  1 dteam022 dteam 118 Jul 27 14:48 https_3a_2f_2fcert-25.cnaf.infn.it_3a9000_2foKS2Lzw
-rw-r--r--  1 dteam022 dteam   0 Jul 27 14:48 std.err
-rw-r--r--  1 dteam022 dteam  23 Jul 27 14:48 std.out
-rw-r--r--  1 dteam022 dteam   6 Jul 27 14:48 test1
```

```
-rw-r--r--  1 dteam022 dteam   6 Jul 27 14:48 test2
-rw-------  1 dteam022 dteam   2 Jul 27 14:48 tmp.bEAsLQ1695
-rw-------  1 dteam022 dteam 103 Jul 27 14:48 tmp.CNbVyt1681
-rw-------  1 dteam022 dteam   0 Jul 27 14:48 tmp.JHlHdY1694
-rw-------  1 dteam022 dteam   2 Jul 27 14:48 tmp.kBAxQZ1680
-rw-------  1 dteam022 dteam 103 Jul 27 14:48 tmp.qArurr1696
```

===> Test PASSED

Jdl with *AllowZippedISB*

```
[capannini@cert-17 certification]$ glite-wms-job-submit --debug -a -c ~/wms_cert-25.conf AllowZIP
----------------------------------------
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - Vo read from proxy certificate extension
----------------------------------------
----------------------------------------
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - VirtualOrganisation value : dteam
----------------------------------------
----------------------------------------
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - Configuration file: /home/capannini/wms_cert-25.c
----------------------------------------
----------------------------------------
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - Loaded user configuration file:
 /home/capannini/wms_cert-25.conf
----------------------------------------
----------------------------------------
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - Configuration file: //etc/glite-wms/dteam/glite_w
----------------------------------------
----------------------------------------
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - Loaded Vo specific configuration file:
 //etc/glite-wms/dteam/glite_wmsui.conf
----------------------------------------
----------------------------------------
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - Loaded Configuration values:
 [
  JdlDefaultAttributes =
   [
    PerusalFileEnable = false;
    ShallowRetryCount = 10;
    SignificantAttributes = { "Requirements","Rank","FuzzyRank" };
    RetryCount = 3;
    AllowZippedISB = true;
    VirtualOrganisation = "dteam";
    rank =  -other.GlueCEStateEstimatedResponseTime;
    MyProxyServer = "myproxy.cnaf.infn.it";
    requirements = true
   ];
  OutputStorage = "/tmp";
  ListenerStorage = "/tmp";
  ErrorStorage = "/var/tmp";
  WmProxyEndPoints = { "https://cert-25.cnaf.infn.it:7443/glite_wms_wmproxy_server" }
 ]
----------------------------------------
----------------------------------------
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - Getting Endpoint URL from configuration file
----------------------------------------

Connecting to the service https://cert-25.cnaf.infn.it:7443/glite_wms_wmproxy_server

----------------------------------------
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - Calling the WMProxy getVersion service
----------------------------------------
----------------------------------------
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - WMProxy Version: 3.3.5
----------------------------------------
----------------------------------------
```

```
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - Sending Proxy Request to https://cert-25.cnaf.inf
----------------------------------------
----------------------------------------
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - Calling the WMProxy delegationns__getProxyReq ser
----------------------------------------
----------------------------------------
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - delegationns__getProxyReq -  The proxy has been s
----------------------------------------
----------------------------------------
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - Calling the WMProxy delegationns__putProxyReq ser
----------------------------------------
----------------------------------------
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - The proxy has been successfully delegated with th
----------------------------------------
----------------------------------------
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - Calling the WMProxy getTransferProtocols service
----------------------------------------
----------------------------------------
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - getTransferProtocols -  Available protocols: gsif
----------------------------------------
----------------------------------------
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - FileTransferProtocol not specified; using the def
----------------------------------------
----------------------------------------
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - The JDL file is: /home/capannini/certification/Al
----------------------------------------
----------------------------------------
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - Retrieving the list of the local ISB files from t
----------------------------------------
----------------------------------------
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - Total size of the ISB file(s) to be transferred t
----------------------------------------
----------------------------------------
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - Max single job size of the ISB file(s) to be tran
----------------------------------------
----------------------------------------
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - Checking the User-FreeQuota on the server
----------------------------------------
----------------------------------------
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - Calling the WMProxy getFreeQuota service
----------------------------------------
----------------------------------------
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - getFreeQuota -  User freequota not set on the ser
----------------------------------------
----------------------------------------
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - Getting the max ISB size from the server https://
----------------------------------------
----------------------------------------
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - Calling the WMProxy getMaxInputSandboxSize servic
----------------------------------------
----------------------------------------
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - getMaxInputSandboxSize -  Max ISB size informatio
----------------------------------------
----------------------------------------
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - The max job size (1024000 bytes) doesn't exceed t
----------------------------------------
----------------------------------------
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - File archiving and file compression allowed by us
----------------------------------------
----------------------------------------
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - Registering JDL [ StdOutput = "std.out"; ShallowR
----------------------------------------
----------------------------------------
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - Registering the job to the service https://cert-2
----------------------------------------
----------------------------------------
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - Calling the WMProxy jobRegister service
```

```
----------------------------------------
----------------------------------------
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - The JobId is:  https://cert-25.cnaf.infn.it:9000/
----------------------------------------
----------------------------------------
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - Archiving the ISB files: /tmp/ISBfiles_BVObvn-V6Z
----------------------------------------
----------------------------------------
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - This archive file has been successfully created:
----------------------------------------
----------------------------------------
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - Compressing the file (.gz): /tmp/ISBfiles_BVObvn-
----------------------------------------
----------------------------------------
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - ISB ZIPPED file successfully created: /tmp/ISBfil
----------------------------------------
----------------------------------------
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - Getting the SandboxDestinationURI from the servic
----------------------------------------
----------------------------------------
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - Calling the WMProxy getSandboxDestURI service wit
----------------------------------------
----------------------------------------
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - getSandboxDestURI -  Destination URIs sucessfully
----------------------------------------
----------------------------------------
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - DestinationURI: gsiftp://cert-25.cnaf.infn.it:281
----------------------------------------
----------------------------------------
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - FileTransfer (gsiftp): using globus-url-copy to t
----------------------------------------
----------------------------------------
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - File Transfer (gsiftp)
 Command: /usr/bin/globus-url-copy
Source: file:///tmp/ISBfiles_BVObvn-V6ZiMX0xFBKaJ_g_0.tar.gz
Destination: gsiftp://cert-25.cnaf.infn.it:2811/var/SandboxDir/uE/https_3a_2f_2fcert-25.cnaf.infn
----------------------------------------
----------------------------------------
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - File Transfer (gsiftp) Transfer successfully done
----------------------------------------
----------------------------------------
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - Starting the job:  https://cert-25.cnaf.infn.it:9
----------------------------------------
----------------------------------------
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - Calling the WMProxy jobStart service
----------------------------------------
----------------------------------------
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - jobStart -  The job has been successfully started
----------------------------------------

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

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

https://cert-25.cnaf.infn.it:9000/uEzlm01BfJx1VkZlBB2ZgA

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

      *** Log file created ***
Possible Errors and Debug messages have been printed in the following file:
/var/tmp/glite-wms-job-submit_504_26711_20120727_15-30-58.log

Check if AllowZippedISB has been included in the jdl:

[capannini@cert-17 certification]$ glite-wms-job-info --jdl https://cert-25.cnaf.infn.it:9000/uEz
  AllowZippedISB = true;
```

```
[capannini@cert-17 certification]$ glite-wms-job-status https://cert-25.cnaf.infn.it:9000/uEzlm01


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

Status info for the Job : https://cert-25.cnaf.infn.it:9000/uEzlm01BfJx1VkZlBB2ZgA
Current Status:     Done (Success)
Logged Reason(s):
    - job completed
    - Job Terminated Successfully
Exit code:          0
Status Reason:      Job Terminated Successfully
Destination:        cream-23.pd.infn.it:8443/cream-lsf-creamcert1
Submitted:          Fri Jul 27 15:30:59 2012 CEST
==========================================================================

[capannini@cert-17 certification]$ glite-wms-job-output https://cert-25.cnaf.infn.it:9000/uEzlm01

Connecting to the service https://cert-25.cnaf.infn.it:7443/glite_wms_wmproxy_server


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

         JOB GET OUTPUT OUTCOME

Output sandbox files for the job:
https://cert-25.cnaf.infn.it:9000/uEzlm01BfJx1VkZlBB2ZgA
have been successfully retrieved and stored in the directory:
/tmp/jobOutput/capannini_uEzlm01BfJx1VkZlBB2ZgA

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


[capannini@cert-17 certification]$ ls /tmp/jobOutput/capannini_uEzlm01BfJx1VkZlBB2ZgA
std.err  std.out
[capannini@cert-17 certification]$ cat /tmp/jobOutput/capannini_uEzlm01BfJx1VkZlBB2ZgA/std.out
total 1132
drwxr-xr-x 2 dteam003 dteam    4096 Jul 27 15:31 .
drwxr-xr-x 3 dteam003 dteam    4096 Jul 27 15:31 ..
-rw-r--r-- 1 dteam003 dteam    2282 Jul 27 15:31 .BrokerInfo
-rw-r--r-- 1 dteam003 dteam       2 Jul 27 15:31 fileA
-rw-r--r-- 1 dteam003 dteam       2 Jul 27 15:31 fileB
-rw-r--r-- 1 dteam003 dteam 1024000 Jul 27 15:31 fileC
-rw-r--r-- 1 dteam003 dteam  102400 Jul 27 15:31 fileD
-rw-r--r-- 1 dteam003 dteam       2 Jul 27 15:31 fileE
-rw-r--r-- 1 dteam003 dteam       0 Jul 27 15:31 std.err
-rw-r--r-- 1 dteam003 dteam       0 Jul 27 15:31 std.out
-rw-r--r-- 1 dteam003 dteam       0 Jul 27 15:31 .tmp_file
```

===> Test PASSED

Jdl with *ExpiryTime*

```
[capannini@cert-17 certification]$ date +%s
1343397704

[capannini@cert-17 certification]$ cat ExpiryTime.jdl
##########################################
#       JDL with ExpiryTime attribute     #
##########################################

Executable = "/bin/ls";
Arguments = "-la";
StdOutput = "std.out";
```

```
StdError = "std.err";

InputSandbox = {"fileA", "fileB", "fileC", "fileD", "fileE"};
OutputSandbox = {"std.out", "std.err"};

requirements = false;

ExpiryTime = 1343397804;

RetryCount = 1;
ShallowRetryCount = 2;

[capannini@cert-17 certification]$ glite-wms-job-submit -a -c ~/wms_cert-25.conf ExpiryTime.jdl

Connecting to the service https://cert-25.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://cert-25.cnaf.infn.it:9000/r3ty2QrughJuATEdPUJ19A

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


[capannini@cert-17 certification]$
[capannini@cert-17 certification]$
[capannini@cert-17 certification]$ glite-wms-job-status https://cert-25.cnaf.infn.it:9000/r3ty2Qr


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

Status info for the Job : https://cert-25.cnaf.infn.it:9000/r3ty2QrughJuATEdPUJ19A
Current Status:     Waiting
Status Reason:      BrokerHelper: no compatible resources
Submitted:          Fri Jul 27 16:02:26 2012 CEST
==========================================================================

[capannini@cert-17 certification]$ glite-wms-job-status https://cert-25.cnaf.infn.it:9000/r3ty2Qr


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

Status info for the Job : https://cert-25.cnaf.infn.it:9000/r3ty2QrughJuATEdPUJ19A
Current Status:     Aborted
Status Reason:      request expired
Submitted:          Fri Jul 27 16:02:26 2012 CEST
==========================================================================

[capannini@cert-17 certification]$ date +%s
1343398570
```

===> Test PASSED

Jdl with *ShortDeadlineJob*

To test SDJs the following bdii must be used: egee-bdii.cnaf.infn.it

```
[capannini@cert-17 certification]$ cat SDLJ.jdl
##########################################
# JDL with ShortDeadlineJob attribute    #
##########################################
```

```
Executable = "/bin/ls";
Arguments = "-la";
StdOutput = "std.out";
StdError = "std.err";

InputSandbox = {"fileA", "fileB", "fileC", "fileD", "fileE"};
OutputSandbox = {"std.out", "std.err"};

requirements = true;

ShortDeadlineJob = true;

RetryCount = 1;
ShallowRetryCount = 2;
[capannini@cert-17 certification]$ glite-wms-job-list-match -a -c ~/wms_cert-25.conf SDLJ.jdl

Connecting to the service https://cert-25.cnaf.infn.it:7443/glite_wms_wmproxy_server

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

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

   *CEId*
 - ce01.ariagni.hellasgrid.gr:2119/jobmanager-pbs-dteam.sdj
 - cream-ce01.ariagni.hellasgrid.gr:8443/cream-pbs-dteam.sdj
 - grid4.mif.vu.lt:2119/jobmanager-lcgpbs-sdj
 - grive02.ibcp.fr:8443/cream-pbs-sdj
 - mario.univ-lille1.fr:8443/cream-pbs-sdj

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


[capannini@cert-17 certification]$ python ~/wms_tests.old/WMS-service/WMS-job-cycle.py -c ~/wms_t
===> ++++++++++++++++++++++++++++++++++++++++++++++++++++
===> + 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 (3 cases LCG-CE, CREAM, general)


 Test 1A: Submit to an LCG-CE


 Test 1B: Submit to a CREAM CE


 Test 1C: Submit without restrictions

===>
===> Test: /home/capannini/wms_tests.old/WMS-service/WMS-job-cycle.py
===> WMS: cert-25.cnaf.infn.it
===> Started: 16:23:23
===> Ended  : 16:32:42
===>
===>     === test PASSED ===
===>
===> Test log file is WMSService-TS_20120727162323.log
```

- WMSService-TS_20120727162323.log: WMSService-TS_20120727162323.log

Collection

Bulk submission

```
[capannini@cert-17 WMS-service]$ python WMS-job-cycle.py -c wms-command.conf -V dteam -d 3 -l -t
===> ++++++++++++++++++++++++++++++++++++++++++++++++++
===> + TestSuite of the WMS Service
===> + Description: Test a complete job cycle: from submission to get output
===> ++++++++++++++++++++++++++++++++++++++++++++++++++

Enter the user proxy password:

 Set 2: Submit a bulk of jobs (3 cases LCG-CE, CREAM, general)


 Test 2A: Submit to an LCG-CE


 Test 2B: Submit to a CREAM CE


 Test 2C: Submit without restrictions

===>
===> Test: WMS-job-cycle.py
===> WMS: cert-25.cnaf.infn.it
===> Started: 16:46:04
===> Ended  : 17:27:15
===>
===>     === test PASSED ===
===>
===> Test log file is WMSService-TS_20120727164604.log
```

- WMSService-TS_20120727164604.log: WMSService-TS_20120727164604.log

All in a jdl

```
[capannini@cert-17 WMS-service]$ python WMS-job-cycle.py -c wms-command.conf -V dteam -d 3 -l -t
===> ++++++++++++++++++++++++++++++++++++++++++++++++++
===> + TestSuite of the WMS Service
===> + Description: Test a complete job cycle: from submission to get output
===> ++++++++++++++++++++++++++++++++++++++++++++++++++

Enter the user proxy password:

 Set 7: Submit a bulk of jobs (3 cases LCG-CE, CREAM, general) using a single jdl with al the jdl


 Test 7A: Submit to an LCG-CE


 Test 7B: Submit to a CREAM CE


 Test 7C: Submit without restrictions

===>
===> Test: WMS-job-cycle.py
===> WMS: cert-25.cnaf.infn.it
===> Started: 11:10:44
===> Ended  : 11:57:57
===>
===>     === test PASSED ===
===>
===> Test log file is WMSService-TS_20120730111044.log
```

```
[capannini@cert-17 WMS-service]$ python WMS-job-cycle.py -c wms-command.conf -V testers.eu-emi.eu
===> ++++++++++++++++++++++++++++++++++++++++++++++++++
===> + TestSuite of the WMS Service
===> + Description: Test a complete job cycle: from submission to get output
===> ++++++++++++++++++++++++++++++++++++++++++++++++++

Enter the user proxy password:

 Set 7: Submit a bulk of jobs (3 cases LCG-CE, CREAM, general) using a single jdl with al the jdl


 Test 7A: Submit to an LCG-CE


 Test 7B: Submit to a CREAM CE


 Test 7C: Submit without restrictions

===>
===> Test: WMS-job-cycle.py
===> WMS: cert-25.cnaf.infn.it
===> Started: 11:11:58
===> Ended  : 11:46:36
===>
===>     === test PASSED ===
===>
===> Test log file is WMSService-TS_20120730111158.log

[capannini@cert-17 ~]$ myproxy-init -d
Your identity: /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Fabio Capannini
Creating proxy ..................................................................................
Proxy Verify OK
Your proxy is valid until: Mon Aug  6 11:12:53 2012
Enter MyProxy pass phrase:
Verifying - Enter MyProxy pass phrase:
A proxy valid for 168 hours (7.0 days) for user /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Fa
[capannini@cert-17 ~]$
[capannini@cert-17 ~]$
[capannini@cert-17 ~]$ myproxy-logon -d --voms dteam
Enter MyProxy pass phrase:
Your identity: /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Fabio Capannini/CN=proxy/CN=proxy/C
Contacting  voms.hellasgrid.gr:15004 [/C=GR/O=HellasGrid/OU=hellasgrid.gr/CN=voms.hellasgrid.gr]
Creating proxy ................................ Done

Your proxy is valid until Mon Jul 30 22:13:20 2012
A credential has been received for user /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Fabio Capa
[capannini@cert-17 ~]$
[capannini@cert-17 ~]$
[capannini@cert-17 ~]$ voms-proxy-info -all
subject   : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Fabio Capannini/CN=proxy/CN=proxy/CN=p
issuer    : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Fabio Capannini/CN=proxy/CN=proxy/CN=p
identity  : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Fabio Capannini/CN=proxy/CN=proxy/CN=p
type      : proxy
strength  : 2048 bits
path      : /tmp/x509up_u504
timeleft  : 10:59:45
key usage : Digital Signature, Key Encipherment, Data Encipherment
=== VO dteam extension information ===
VO        : dteam
subject   : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Fabio Capannini
issuer    : /C=GR/O=HellasGrid/OU=hellasgrid.gr/CN=voms.hellasgrid.gr
attribute : /dteam/Role=NULL/Capability=NULL
attribute : /dteam/NGI_IT/Role=NULL/Capability=NULL
timeleft  : 11:58:45
uri       : voms.hellasgrid.gr:15004
```

```
[capannini@cert-17 WMS-service]$ python WMS-job-cycle.py -c wms-command.conf -V dteam -d 3 -l -t
===> ++++++++++++++++++++++++++++++++++++++++++++++++++++
===> + TestSuite of the WMS Service
===> + Description: Test a complete job cycle: from submission to get output
===> ++++++++++++++++++++++++++++++++++++++++++++++++++++

 Set 7: Submit a bulk of jobs (3 cases LCG-CE, CREAM, general) using a single jdl with al the jdl


 Test 7A: Submit to an LCG-CE


 Test 7B: Submit to a CREAM CE


 Test 7C: Submit without restrictions

===>
===> Test: WMS-job-cycle.py
===> WMS: cert-25.cnaf.infn.it
===> Started: 11:14:21
===> Ended  : 11:46:57
===>
===>     === test PASSED ===
===>
===> Test log file is WMSService-TS_20120730111421.log
```

- coll.tgz: coll.tgz

Parametric job

```
[capannini@cert-17 WMS-service]$ python WMS-job-cycle.py -c wms-command.conf -V dteam -d 3 -l -t
===> ++++++++++++++++++++++++++++++++++++++++++++++++++++
===> + TestSuite of the WMS Service
===> + Description: Test a complete job cycle: from submission to get output
===> ++++++++++++++++++++++++++++++++++++++++++++++++++++

Enter the user proxy password:

 Set 3: Submit a parametric job (3 cases LCG-CE, CREAM, general)


 Test 3A: Submit to an LCG-CE


 Test 3B: Submit to a CREAM CE


 Test 3C: Submit without restrictions

===>
===> Test: WMS-job-cycle.py
===> WMS: cert-25.cnaf.infn.it
===> Started: 15:17:16
===> Ended  : 16:32:53
===>
===>     === test PASSED ===
===>
===> Test log file is WMSService-TS_20120730151716.log

[capannini@cert-17 WMS-service]$ python WMS-job-cycle.py -c wms-command.conf -V testers.eu-emi.eu
===> ++++++++++++++++++++++++++++++++++++++++++++++++++++
===> + TestSuite of the WMS Service
===> + Description: Test a complete job cycle: from submission to get output
===> ++++++++++++++++++++++++++++++++++++++++++++++++++++
```

```
Enter the user proxy password:

 Set 3: Submit a parametric job (3 cases LCG-CE, CREAM, general)


 Test 3A: Submit to an LCG-CE


 Test 3B: Submit to a CREAM CE


 Test 3C: Submit without restrictions

===>
===> Test: WMS-job-cycle.py
===> WMS: cert-25.cnaf.infn.it
===> Started: 15:20:21
===> Ended  : 16:43:31
===>
===>     === test PASSED ===
===>
===> Test log file is WMSService-TS_20120730152021.log

[capannini@cert-17 WMS-service]$ python WMS-job-cycle.py -c wms-command.conf -V dteam -d 3 -l -t
===> ++++++++++++++++++++++++++++++++++++++++++++++++++
===> + TestSuite of the WMS Service
===> + Description: Test a complete job cycle: from submission to get output
===> ++++++++++++++++++++++++++++++++++++++++++++++++++

 Set 3: Submit a parametric job (3 cases LCG-CE, CREAM, general)


 Test 3A: Submit to an LCG-CE


 Test 3B: Submit to a CREAM CE


 Test 3C: Submit without restrictions

===>
===> Test: WMS-job-cycle.py
===> WMS: cert-25.cnaf.infn.it
===> Started: 15:20:29
===> Ended  : 16:43:08
===>
===>     === test PASSED ===
===>
===> Test log file is WMSService-TS_20120730152029.log
```

- param.tgz: param.tgz

Regression tests

Bugs attached to the task

RT #4073: WMS ICE issue PASSED

Verified that file is accessibile only by the owner

Standard Conformance Tests

Glue 1 Compliance - PASSED

```
[caifti@cert-25 ~]$ glue-validator -t glue1 -h cert-25.cnaf.infn.it -p 2170 -b o=grid
Validating data types. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok

----------------------------------------------------------------------
Ran 40 tests in 0.034s

OK
```

Glue 2 Compliance PASSED

```
[caifti@cert-25 ~]$ glue-validator -t glue2 -h cert-25.cnaf.infn.it -p 2170 -b o=glue
Validating data types. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying the existence of mandatory attributes. ... ok
```

```
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok

----------------------------------------------------------------------
Ran 40 tests in 0.035s

OK
```

Published Information

bdb database information (Glue1)

```
$ ldapsearch -x -H ldap://cert-25.cnaf.infn.it:2170 -b 'o=grid'
# extended LDIF
#
# LDAPv3
# base <o=grid> with scope subtree
# filter: (objectclass=*)
# requesting: ALL
#

# grid
dn: o=grid
objectClass: organization
o: grid

# local, grid
dn: Mds-Vo-name=local,o=grid
Mds-Vo-name: local
objectClass: Mds

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

# cert-25.cnaf.infn.it_org.glite.lb.Server_2310828617, resource, grid
```

```
dn: GlueServiceUniqueID=cert-25.cnaf.infn.it_org.glite.lb.Server_2310828617,Md
 s-Vo-name=resource,o=grid
GlueServiceStatus: Critical
objectClass: GlueTop
objectClass: GlueService
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueServiceUniqueID: cert-25.cnaf.infn.it_org.glite.lb.Server_2310828617
GlueServiceEndpoint: https://cert-25.cnaf.infn.it:9003/
GlueServiceVersion: 2.2.9
GlueSchemaVersionMinor: 3
GlueServiceName: emi-testbed-cnaf-Server
GlueServiceType: org.glite.lb.Server
GlueServiceWSDL: http://egee.cesnet.cz/cms/export/sites/egee/en/WSDL/3.1/LB.ws
 dl
GlueServiceSemantics: https://edms.cern.ch/file/571273/2/LB-guide.pdf
GlueForeignKey: GlueSiteUniqueID=emi-testbed-cnaf
GlueSchemaVersionMajor: 1
GlueServiceStartTime: 2012-07-29T22:10:01+02:00
GlueServiceStatusInfo: glite-lb-notif-interlogd not running (stale pidfile) gl
 ite-lb-interlogd for proxy running as 6910 glite-lb-bkserverd running as 6838
  glite-jp-importer not running (disabled)

# cert-25.cnaf.infn.it_org.glite.wms.WMProxy_4216838709, resource, grid
dn: GlueServiceUniqueID=cert-25.cnaf.infn.it_org.glite.wms.WMProxy_4216838709,
 Mds-Vo-name=resource,o=grid
GlueServiceAccessControlBaseRule: VO:testers.eu-emi.eu
GlueServiceAccessControlBaseRule: VO:testers2.eu-emi.eu
GlueServiceAccessControlBaseRule: VO:cms
GlueServiceAccessControlBaseRule: VO:dteam
GlueServiceAccessControlBaseRule: VO:infngrid
GlueServiceStatus: Other
GlueServiceStatusInfo: ??
objectClass: GlueTop
objectClass: GlueService
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueServiceUniqueID: cert-25.cnaf.infn.it_org.glite.wms.WMProxy_4216838709
GlueServiceAccessControlRule: testers.eu-emi.eu
GlueServiceAccessControlRule: testers2.eu-emi.eu
GlueServiceAccessControlRule: cms
GlueServiceAccessControlRule: dteam
GlueServiceAccessControlRule: infngrid
GlueServiceEndpoint: https://cert-25.cnaf.infn.it:7443/glite_wms_wmproxy_serve
 r
GlueServiceVersion: 3.3.5
GlueSchemaVersionMinor: 3
GlueServiceName: emi-testbed-cnaf-WMProxy
GlueServiceType: org.glite.wms.WMProxy
GlueServiceWSDL: http://web.infn.it/gLiteWMS/images/WMS/Docs/wmproxy.wsdl
GlueServiceSemantics: http://web.infn.it/gLiteWMS/images/WMS/Docs/wmproxy-guid
 e.pdf
GlueForeignKey: GlueSiteUniqueID=emi-testbed-cnaf
GlueServiceOwner: testers.eu-emi.eu
GlueServiceOwner: testers2.eu-emi.eu
GlueServiceOwner: cms
GlueServiceOwner: dteam
GlueServiceOwner: infngrid
GlueSchemaVersionMajor: 1
GlueServiceStartTime: 2012-07-29T00:00:02+02:00

# DN, cert-25.cnaf.infn.it_org.glite.wms.WMProxy_4216838709, resource, grid
dn: GlueServiceDataKey=DN,GlueServiceUniqueID=cert-25.cnaf.infn.it_org.glite.w
 ms.WMProxy_4216838709,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
```

```
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: DN
GlueChunkKey: GlueServiceUniqueID=cert-25.cnaf.infn.it_org.glite.wms.WMProxy_4
 216838709
GlueServiceDataValue: /C=IT/O=INFN/OU=Host/L=CNAF/CN=cert-25.cnaf.infn.it

# glite-info-service_version, cert-25.cnaf.infn.it_org.glite.lb.Server_231082
 8617, resource, grid
dn: GlueServiceDataKey=glite-info-service_version,GlueServiceUniqueID=cert-25.
 cnaf.infn.it_org.glite.lb.Server_2310828617,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: glite-info-service_version
GlueChunkKey: GlueServiceUniqueID=cert-25.cnaf.infn.it_org.glite.lb.Server_231
 0828617
GlueServiceDataValue: 1.6

# glite-info-service_hostname, cert-25.cnaf.infn.it_org.glite.lb.Server_23108
 28617, resource, grid
dn: GlueServiceDataKey=glite-info-service_hostname,GlueServiceUniqueID=cert-25
 .cnaf.infn.it_org.glite.lb.Server_2310828617,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: glite-info-service_hostname
GlueChunkKey: GlueServiceUniqueID=cert-25.cnaf.infn.it_org.glite.lb.Server_231
 0828617
GlueServiceDataValue: cert-25.cnaf.infn.it

# glite-info-service_version, cert-25.cnaf.infn.it_org.glite.wms.WMProxy_4216
 838709, resource, grid
dn: GlueServiceDataKey=glite-info-service_version,GlueServiceUniqueID=cert-25.
 cnaf.infn.it_org.glite.wms.WMProxy_4216838709,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: glite-info-service_version
GlueChunkKey: GlueServiceUniqueID=cert-25.cnaf.infn.it_org.glite.wms.WMProxy_4
 216838709
GlueServiceDataValue: 1.6

# glite-info-service_hostname, cert-25.cnaf.infn.it_org.glite.wms.WMProxy_421
 6838709, resource, grid
dn: GlueServiceDataKey=glite-info-service_hostname,GlueServiceUniqueID=cert-25
 .cnaf.infn.it_org.glite.wms.WMProxy_4216838709,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: glite-info-service_hostname
GlueChunkKey: GlueServiceUniqueID=cert-25.cnaf.infn.it_org.glite.wms.WMProxy_4
 216838709
GlueServiceDataValue: cert-25.cnaf.infn.it
```

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

# numResponses: 11
# numEntries: 10
```

Stats database definitions

```
$ ldapsearch -x -H ldap://cert-25.cnaf.infn.it:2170 -b 'o=infosys'
# extended LDIF
#
# LDAPv3
# base <o=infosys> with scope subtree
# filter: (objectclass=*)
# requesting: ALL
#

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

# zip, infosys
dn: CompressionType=zip,o=infosys
objectClass: CompressedContent
Hostname: localhost
CompressionType: zip
Data: file:///var/lib/bdii/archive/12-07-29-22-15-59-snapshot.gz

# localhost, infosys
dn: Hostname=localhost,o=infosys
objectClass: UpdateStats
Hostname: localhost
FailedDeletes: 0
ModifiedEntries: 9
DeletedEntries: 0
UpdateTime: 2
FailedAdds: 0
FailedModifies: 0
TotalEntries: 20
QueryTime: 0
NewEntries: 1
DBUpdateTime: 0
ReadTime: 0
PluginsTime: 0
ProvidersTime: 2

# search result
search: 2
result: 0 Success

# numResponses: 4
# numEntries: 3
```

Stats database definitions (Glue2)

```
$ ldapsearch -x -H ldap://cert-25.cnaf.infn.it:2170 -b 'o=glue'
# extended LDIF
#
# LDAPv3
# base <o=glue> with scope subtree
# filter: (objectclass=*)
# requesting: ALL
```

```
#

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

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

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

# cert-25.cnaf.infn.it_wmproxy_13056159, resource, glue
dn: GLUE2ServiceID=cert-25.cnaf.infn.it_wmproxy_13056159,GLUE2GroupID=resource
 ,o=glue
GLUE2EntityValidity: 3600
GLUE2ServiceType: org.glite.wms.WMProxy
GLUE2ServiceID: cert-25.cnaf.infn.it_wmproxy_13056159
objectClass: GLUE2Service
GLUE2ServiceQualityLevel: production
GLUE2EntityOtherInfo: InfoProviderName=glite-info-glue2-service
GLUE2EntityOtherInfo: InfoProviderVersion=1.1
GLUE2EntityOtherInfo: InfoProviderHost=cert-25.cnaf.infn.it
GLUE2ServiceComplexity: endpointType=1, share=0, resource=0
GLUE2ServiceCapability: executionmanagement.candidatesetgenerator
GLUE2ServiceCapability: executionmanagement.jobdescription
GLUE2ServiceCapability: executionmanagement.jobmanager
GLUE2EntityName: emi-testbed-cnaf-WMProxy
GLUE2ServiceAdminDomainForeignKey: emi-testbed-cnaf
GLUE2EntityCreationTime: 2012-07-29T20:20:02Z

# cert-25.cnaf.infn.it_lbserver_201164012, resource, glue
dn: GLUE2ServiceID=cert-25.cnaf.infn.it_lbserver_201164012,GLUE2GroupID=resour
 ce,o=glue
GLUE2EntityValidity: 3600
GLUE2ServiceType: org.glite.lb.Server
GLUE2ServiceID: cert-25.cnaf.infn.it_lbserver_201164012
objectClass: GLUE2Service
GLUE2ServiceQualityLevel: production
GLUE2EntityOtherInfo: InfoProviderName=glite-info-glue2-service
GLUE2EntityOtherInfo: InfoProviderVersion=1.1
GLUE2EntityOtherInfo: InfoProviderHost=cert-25.cnaf.infn.it
GLUE2ServiceComplexity: endpointType=1, share=0, resource=0
GLUE2ServiceCapability: information.logging
GLUE2EntityName: emi-testbed-cnaf-Server
GLUE2ServiceAdminDomainForeignKey: emi-testbed-cnaf
GLUE2EntityCreationTime: 2012-07-29T20:20:04Z

# cert-25.cnaf.infn.it_wmproxy_13056159_org.glite.wms.WMProxy_13056159, cert-
 25.cnaf.infn.it_wmproxy_13056159, resource, glue
dn: GLUE2EndpointID=cert-25.cnaf.infn.it_wmproxy_13056159_org.glite.wms.WMProx
 y_13056159,GLUE2ServiceID=cert-25.cnaf.infn.it_wmproxy_13056159,GLUE2GroupID=
 resource,o=glue
GLUE2EntityValidity: 3600
GLUE2EndpointQualityLevel: production
GLUE2EndpointImplementor: gLite
GLUE2EntityOtherInfo: InfoProviderName=glite-info-glue2-endpoint
GLUE2EntityOtherInfo: InfoProviderVersion=1.2
GLUE2EntityOtherInfo: InfoProviderHost=cert-25.cnaf.infn.it
GLUE2EntityOtherInfo: MiddlewareName=EMI
GLUE2EntityOtherInfo: MiddlewareVersion=1.11.2-1
GLUE2EndpointCapability: executionmanagement.candidatesetgenerator
```

```
GLUE2EndpointCapability: executionmanagement.jobdescription
GLUE2EndpointCapability: executionmanagement.jobmanager
GLUE2EndpointHealthState: ok
GLUE2EndpointServiceForeignKey: cert-25.cnaf.infn.it_wmproxy_13056159
GLUE2EntityName: WMProxy endpoint for Service cert-25.cnaf.infn.it_wmproxy_130
 56159
GLUE2EndpointTechnology: webservice
GLUE2EndpointWSDL: http://web.infn.it/gLiteWMS/images/WMS/Docs/wmproxy.wsdl
GLUE2EndpointInterfaceName: org.glite.wms.WMProxy
GLUE2EndpointURL: https://cert-25.cnaf.infn.it:7443/glite_wms_wmproxy_server
GLUE2EndpointDowntimeInfo: See the GOC DB for downtimes: https://goc.egi.eu/
GLUE2EndpointImplementationVersion: 3.3.5
GLUE2EndpointSemantics: http://web.infn.it/gLiteWMS/images/WMS/Docs/wmproxy-gu
 ide.pdf
GLUE2EndpointIssuerCA: /C=IT/O=INFN/CN=INFN CA
GLUE2EndpointServingState: production
objectClass: GLUE2Endpoint
GLUE2EndpointInterfaceVersion: 1.0
GLUE2EndpointImplementationName: WMS
GLUE2EndpointTrustedCA: IGTF
GLUE2EndpointID: cert-25.cnaf.infn.it_wmproxy_13056159_org.glite.wms.WMProxy_1
 3056159
GLUE2EndpointStartTime: 2012-07-28T22:00:02Z
GLUE2EndpointHealthStateInfo: WMProxy httpd listening on port 7443 httpd is ru
 nning .... === WMProxy Server running instances: UID PID PPID C STIME TTY TIM
 E CMD glite 31527 8278 0 01:25 ? 00:00:00 /usr/bin/glite_wms_wmproxy_server
GLUE2EntityCreationTime: 2012-07-29T20:20:02Z

# cert-25.cnaf.infn.it_lbserver_201164012_org.glite.lb.Server_201164012, cert
 -25.cnaf.infn.it_lbserver_201164012, resource, glue
dn: GLUE2EndpointID=cert-25.cnaf.infn.it_lbserver_201164012_org.glite.lb.Serve
 r_201164012,GLUE2ServiceID=cert-25.cnaf.infn.it_lbserver_201164012,GLUE2Group
 ID=resource,o=glue
GLUE2EntityValidity: 3600
GLUE2EndpointQualityLevel: production
GLUE2EndpointImplementor: gLite
GLUE2EntityOtherInfo: InfoProviderName=glite-info-glue2-endpoint
GLUE2EntityOtherInfo: InfoProviderVersion=1.2
GLUE2EntityOtherInfo: InfoProviderHost=cert-25.cnaf.infn.it
GLUE2EntityOtherInfo: MiddlewareName=EMI
GLUE2EntityOtherInfo: MiddlewareVersion=1.11.2-1
GLUE2EndpointCapability: information.logging
GLUE2EndpointHealthState: critical
GLUE2EndpointServiceForeignKey: cert-25.cnaf.infn.it_lbserver_201164012
GLUE2EntityName: Server endpoint for Service cert-25.cnaf.infn.it_lbserver_201
 164012
GLUE2EndpointTechnology: webservice
GLUE2EndpointWSDL: http://egee.cesnet.cz/cms/export/sites/egee/en/WSDL/3.1/LB.
 wsdl
GLUE2EndpointInterfaceName: org.glite.lb.Server
GLUE2EndpointURL: https://cert-25.cnaf.infn.it:9003/
GLUE2EndpointDowntimeInfo: See the GOC DB for downtimes: https://goc.egi.eu/
GLUE2EndpointImplementationVersion: 2.2.9
GLUE2EndpointSemantics: https://edms.cern.ch/file/571273/2/LB-guide.pdf
GLUE2EndpointIssuerCA: /C=IT/O=INFN/CN=INFN CA
GLUE2EndpointServingState: production
objectClass: GLUE2Endpoint
GLUE2EndpointInterfaceVersion: 3.2.4
GLUE2EndpointImplementationName: LB
GLUE2EndpointTrustedCA: IGTF
GLUE2EndpointID: cert-25.cnaf.infn.it_lbserver_201164012_org.glite.lb.Server_2
 01164012
GLUE2EntityCreationTime: 2012-07-29T20:20:04Z
GLUE2EndpointHealthStateInfo: glite-lb-notif-interlogd not running (stale pidf
 ile) glite-lb-interlogd for proxy running as 8555 glite-lb-bkserverd running
 as 8483 glite-jp-importer not running (disabled)
GLUE2EndpointStartTime: 2012-07-29T20:20:01Z
```

```
# DN_1, cert-25.cnaf.infn.it_wmproxy_13056159_org.glite.wms.WMProxy_13056159,
  cert-25.cnaf.infn.it_wmproxy_13056159, resource, glue
dn: GLUE2ExtensionLocalID=DN_1,GLUE2EndpointID=cert-25.cnaf.infn.it_wmproxy_13
 056159_org.glite.wms.WMProxy_13056159,GLUE2ServiceID=cert-25.cnaf.infn.it_wmp
 roxy_13056159,GLUE2GroupID=resource,o=glue
GLUE2ExtensionLocalID: DN_1
GLUE2ExtensionKey: DN
objectClass: GLUE2Extension
GLUE2ExtensionValue: /C=IT/O=INFN/OU=Host/L=CNAF/CN=cert-25.cnaf.infn.it
GLUE2ExtensionEntityForeignKey: cert-25.cnaf.infn.it_wmproxy_13056159_org.glit
 e.wms.WMProxy_13056159

# cert-25.cnaf.infn.it_wmproxy_13056159_org.glite.wms.WMProxy_13056159_Policy
 , cert-25.cnaf.infn.it_wmproxy_13056159_org.glite.wms.WMProxy_13056159, cert
 -25.cnaf.infn.it_wmproxy_13056159, resource, glue
dn: GLUE2PolicyID=cert-25.cnaf.infn.it_wmproxy_13056159_org.glite.wms.WMProxy_
 13056159_Policy,GLUE2EndpointID=cert-25.cnaf.infn.it_wmproxy_13056159_org.gli
 te.wms.WMProxy_13056159,GLUE2ServiceID=cert-25.cnaf.infn.it_wmproxy_13056159,
 GLUE2GroupID=resource,o=glue
GLUE2AccessPolicyEndpointForeignKey: cert-25.cnaf.infn.it_wmproxy_13056159_org
 .glite.wms.WMProxy_13056159
GLUE2EntityValidity: 3600
objectClass: GLUE2Policy
objectClass: GLUE2AccessPolicy
GLUE2PolicyRule: VO:testers.eu-emi.eu
GLUE2PolicyRule: VO:testers2.eu-emi.eu
GLUE2PolicyRule: VO:cms
GLUE2PolicyRule: VO:dteam
GLUE2PolicyRule: VO:infngrid
GLUE2PolicyScheme: org.glite.standard
GLUE2EntityOtherInfo: InfoProviderName=glite-info-glue2-endpoint
GLUE2EntityOtherInfo: InfoProviderVersion=1.2
GLUE2EntityOtherInfo: InfoProviderHost=cert-25.cnaf.infn.it
GLUE2PolicyUserDomainForeignKey: testers.eu-emi.eu
GLUE2PolicyUserDomainForeignKey: testers2.eu-emi.eu
GLUE2PolicyUserDomainForeignKey: cms
GLUE2PolicyUserDomainForeignKey: dteam
GLUE2PolicyUserDomainForeignKey: infngrid
GLUE2PolicyID: cert-25.cnaf.infn.it_wmproxy_13056159_org.glite.wms.WMProxy_130
 56159_Policy
GLUE2EntityName: Access control rules for Endpoint cert-25.cnaf.infn.it_wmprox
 y_13056159_org.glite.wms.WMProxy_13056159
GLUE2EntityCreationTime: 2012-07-29T20:20:02Z

# cert-25.cnaf.infn.it_lbserver_201164012_org.glite.lb.Server_201164012_Polic
 y, cert-25.cnaf.infn.it_lbserver_201164012_org.glite.lb.Server_201164012, ce
 rt-25.cnaf.infn.it_lbserver_201164012, resource, glue
dn: GLUE2PolicyID=cert-25.cnaf.infn.it_lbserver_201164012_org.glite.lb.Server_
 201164012_Policy,GLUE2EndpointID=cert-25.cnaf.infn.it_lbserver_201164012_org.
 glite.lb.Server_201164012,GLUE2ServiceID=cert-25.cnaf.infn.it_lbserver_201164
 012,GLUE2GroupID=resource,o=glue
GLUE2EntityValidity: 3600
objectClass: GLUE2Policy
objectClass: GLUE2AccessPolicy
GLUE2PolicyRule: ALL
GLUE2PolicyScheme: org.glite.standard
GLUE2EntityOtherInfo: InfoProviderName=glite-info-glue2-endpoint
GLUE2EntityOtherInfo: InfoProviderVersion=1.2
GLUE2EntityOtherInfo: InfoProviderHost=cert-25.cnaf.infn.it
GLUE2AccessPolicyEndpointForeignKey: cert-25.cnaf.infn.it_lbserver_201164012_o
 rg.glite.lb.Server_201164012
GLUE2PolicyID: cert-25.cnaf.infn.it_lbserver_201164012_org.glite.lb.Server_201
 164012_Policy
GLUE2EntityName: Access control rules for Endpoint cert-25.cnaf.infn.it_lbserv
 er_201164012_org.glite.lb.Server_201164012
GLUE2EntityCreationTime: 2012-07-29T20:20:04Z
```

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

# numResponses: 11
# numEntries: 10
```

-- FabioCapannini - 2012-07-19

This topic: IGIRelease > WMSTask32312
Topic revision: r9 - 2012-07-30 - FabioCapannini

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