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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 report: 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
```

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```
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=Fabio Capannini/CN=proxy/CN=proxy/C
[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 Capannini/CN=proxy/CN=proxy/C
[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=proxy
issuer    : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Fabio Capannini/CN=proxy/CN=proxy/CN=proxy
identity  : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Fabio Capannini/CN=proxy/CN=proxy/CN=proxy
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
====> +-----+
```

Normal

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

Proxy mode

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====> ++++++

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 WMPProxy

Your job identifier is:

```
https://cert-25.cnaf.infn.it:9000/7NcVgYqFmRlwMVOFPKlsfw
```

Jdl with DataRequirements

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```
=====  
[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 WMPProxy  
Your job identifier is:
```

```
https://cert-25.cnaf.infn.it:9000/gDxF05JrP_3MyS6sPt-hDQ  
  
=====
```

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```
[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";
```

Jdl with *ISBBaseURI* and *OSBBaseDestURI*

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```
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 WMPProxy
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/l3pwc0eaoOK3M4xdB0UI4Q

===== 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/l3pwc0eaoOK3M4xdB0UI4Q

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
```

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```
-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 WMPProxy
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/oKS2Lz
```

```
===== 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/oKS2Lz
```

```
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_2foKS2Lz
-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
```

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```
-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.JH1HdY1694
-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 WMPProxy getVersion service
-----
```

```
-----
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - WMPProxy Version: 3.3.5
-----
```

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```
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - Sending Proxy Request to https://cert-25.cnaf.infn.it/
-----
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - Calling the WMPProxy delegationns__getProxyReq service
-----
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - delegationns__getProxyReq - The proxy has been successfully
-----
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - Calling the WMPProxy delegationns__putProxyReq service
-----
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - The proxy has been successfully delegated with the following
-----
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - Calling the WMPProxy 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 default
-----
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 the
-----
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - Total size of the ISB file(s) to be transferred to the
-----
27 July 2012, 15:30:58 -I- PID: 26711 (Debug) - Max single job size of the ISB file(s) to be transferred
-----
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 WMPProxy getFreeQuota service
-----
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - getFreeQuota - User freequota not set on the server
-----
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - Getting the max ISB size from the server https://cert-25
-----
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - Calling the WMPProxy getMaxInputSandboxSize service
-----
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - getMaxInputSandboxSize - Max ISB size information
-----
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - The max job size (1024000 bytes) doesn't exceed the
-----
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - File archiving and file compression allowed by the
-----
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-25
-----
27 July 2012, 15:30:59 -I- PID: 26711 (Debug) - Calling the WMPProxy jobRegister service
```

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```
-----  
-----  
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 WMPProxy 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 WMPProxy 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 WMPProxy
Your job identifier is:

<https://cert-25.cnaf.infn.it:9000/uEzlm01BfJx1VkJ1BB2ZgA>

=====

*** 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;
```

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```
[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 1024000 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";
```

Jdl with ExpiryTime

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```
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 WMPProxy
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/r3ty2QrughJuATEdPUJ19A

===== 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/r3ty2QrughJuATEdPUJ19A

===== 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 bdi must be used: egee-bdi.cnaf.infn.it

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

Jdl with ShortDeadlineJob

```

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 all 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
```

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```
[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 all 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=Fabio Capannini
[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/CN=proxy
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 Capannini
[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=proxy
issuer : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Fabio Capannini/CN=proxy/CN=proxy/CN=proxy
identity : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Fabio Capannini/CN=proxy/CN=proxy/CN=proxy
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
```

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```
[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
===> + TestSuite of the WMS Service
```

Set 7: Submit a bulk of jobs (3 cases LCG-CE, CREAM, general) using a single jdl with all 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
===> + TestSuite of the WMS Service
```

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
===> + TestSuite of the WMS Service
```

### Parametric job

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
```

```
====> + TestSuite of the WMS Service
```

```
====> + Description: Test a complete job cycle: from submission to get output
```

```
====> + TestSuite of the WMS Service
```

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 accessible 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
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
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

```

-----  
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

```

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```
dn: GlueServiceUniqueID=cert-25.cnaf.infn.it_org.glite.lb.Server_2310828617,Mds-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.wsdl
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) glite-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_server
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-guide.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.wms.WMProxy_4216838709,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
```

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```
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
```

Stats database definitions

```

#

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

```

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```
GLUE2EndpointCapability: executionmanagement.jobdescription
GLUE2EndpointCapability: executionmanagement.jobmanager
GLUE2EndpointHealthState: ok
GLUE2EndpointServiceForeignKey: cert-25.cnaf.infn.it_wmproxy_13056159
GLUE2EntityName: WMPProxy endpoint for Service cert-25.cnaf.infn.it_wmproxy_13056159
GLUE2EndpointTechnology: webservice
GLUE2EndpointWSDL: http://web.infn.it/gLiteWMS/images/WMS/Docs/wmproxy.wsdl
GLUE2EndpointInterfaceName: org.glite.wms.WMPProxy
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-guide.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.WMPProxy_13056159
GLUE2EndpointStartTime: 2012-07-28T22:00:02Z
GLUE2EndpointHealthStateInfo: WMPProxy httpd listening on port 7443 httpd is running ... == WMPProxy Server running instances: UID PID PPID C STIME TTY TIME 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.Server_201164012, GLUE2ServiceID=cert-25.cnaf.infn.it_lbserver_201164012, 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: information.logging
GLUE2EndpointHealthState: critical
GLUE2EndpointServiceForeignKey: cert-25.cnaf.infn.it_lbserver_201164012
GLUE2EntityName: Server endpoint for Service cert-25.cnaf.infn.it_lbserver_201164012
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_201164012
GLUE2EntityCreationTime: 2012-07-29T20:20:04Z
GLUE2EndpointHealthStateInfo: glite-lb-notif-interlogd not running (stale pidfile) 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
```

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```
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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