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Regression Tests

bug #33342 : separate retry policies for ISB and OSB Not implemented

Description of the test.

Of course we're speaking of submission to the lcg-CE, as CREAM uses its own jobwrapper.

ISB: <https://devel11.cnaf.infn.it:9000/a> ...

submitted a job and then removed its ISB

```
[mcecchi@cert-19 ~]$ glite-wms-job-submit -a -c devel11.conf lsisb.jdl
Connecting to the service https://devel11.cnaf.infn.it:7443/g...
```

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

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

```
https://devel11.cnaf.infn.it:9000/-...
```

```
=====
```

server side:

```
[root@devel11 input]# rm -f a
[root@devel11 input]# pwd
/var/SandboxDir/-h/https_3a_2f_2fdevel11.cnaf.infn.it_3a9000_2f-h4MRDzYkufRu71MKfF1pw/input
```

after a while, maradona file reports:

```
[root@devel11 https_3a_2f_2fdevel11.cnaf.infn.it_3a9000_2f-h4MRDzYkufRu71MKfF1pw]# cat Maradona.o
LM_log_done_begin
Wed Apr 20 22:08:51 CEST 2011: lcg-jobwrapper-hook.sh not readable or not present
Wed Apr 20 22:08:52 CEST 2011: Error during transfer
Wed Apr 20 22:09:53 CEST 2011: Error during transfer
Wed Apr 20 22:11:54 CEST 2011: Error during transfer
```

LM_log_done_end

```
Cannot download a from gsiftp://devel11.cnaf.infn.it:2811/var...
Killing log watchdog (pid=21047)...
jw exit status = 1
```

OSB:

```
[mcecchi@cert-19 ~]$ glite-wms-job-submit -a -c devel11.conf lsosb.jdl
```

```
Connecting to the service https://devel11.cnaf.infn.it:7443/g...
```

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

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

```
https://devel11.cnaf.infn.it:9000/3...
```

```
=====
```

Considered successful if: after more than twenty minutes Maradona file hasn't returned yet and the job is running, meaning that other defaults are in place (the ones previously used for both ISB and OSB)

bug #36292 : Not all attributes of a SA/SE could be used in a gangmatching Not implemented

Description of the test.

Fix certified doing a listmatch with the following expression in the jdl:

```
Requirements = regexp(".in2p3.fr:2119.*", other.GlueCEUniqueID) &&  
anyMatch(other.storage.CloseSEs, target.GlueSEImplementationVersion=="1.9.5-24")
```

which returns:

```
- cclcgceli02.in2p3.fr:2119/jobmanager-bqs-short  
- cclcgceli04.in2p3.fr:2119/jobmanager-bqs-short  
- cclcgceli06.in2p3.fr:2119/jobmanager-bqs-short  
- cclcgceli09.in2p3.fr:2119/jobmanager-bqs-short  
- cclcgceli02.in2p3.fr:2119/jobmanager-bqs-medium  
- cclcgceli04.in2p3.fr:2119/jobmanager-bqs-long  
- cclcgceli06.in2p3.fr:2119/jobmanager-bqs-medium  
- cclcgceli09.in2p3.fr:2119/jobmanager-bqs-medium  
- cclcgceli02.in2p3.fr:2119/jobmanager-bqs-long  
- cclcgceli06.in2p3.fr:2119/jobmanager-bqs-long  
- cclcgceli04.in2p3.fr:2119/jobmanager-bqs-medium  
- cclcgceli09.in2p3.fr:2119/jobmanager-bqs-long
```

Double checking that the correct "GlueSEImplementationVersion" is picked up:

```
lcg-infosites --vo dteam closeSE >closeses.txt
```

gives the following closeSEs:

```
cclcgceli02.in2p3.fr:2119/jobmanager-bqs-long  
ccsrn.in2p3.fr  
ccsrn02.in2p3.fr
```

```
and ldapsearch -x -H ldap://lcg-bdii.cern.ch:2170 -b 'Mds-vo-name=local,o=Grid' '(GlueSEUniqueID=  
returns:
```

```
...  
GlueSEImplementationVersion: 1.9.5-24  
...
```

bug #40982 : When a collection is aborted the "Abort" event should be logged for the sub-nodes as well /2 Implemented

Description of the test.

coll_10.jdl is a ten nodes collection, only the first node having non empty ISB.

```
[mcecchi@cert-19 ~]$ head -25 coll_10.jdl  
[  
Type = "collection";  
InputSandbox = {"/home/mcecchi/Test.sh"};  
RetryCount = 1;  
Requirements = ( random(1.0) < 0.5 );  
ShallowRetryCount = 2;
```

bug #36292: Not all attributes of a SA/SE could be used in a gangmatching Not implemented

RegressionTest < WMS < TWiki

```
nodes = {
[
JobType = "Normal";
Zippedisb=true;
Executable = "Test.sh";
StdOutput = "test.out";
StdError = "test.err";
InputSandbox = {"a"};
OutputSandbox = {};
],
[
JobType = "Normal";
Executable = "Test.sh";
StdOutput = "test.out";
StdError = "test.err";
OutputSandbox = {};
],
[
JobType = "Normal";
```

We register the collection:

```
[mcecchi@cert-19 ~]$ glite-wms-job-submit -a -c devel11.conf --register-only coll_10.jdl
```

```
Connecting to the service https://devel11.cnaf.infn.it:7443/g...
```

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

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

```
https://devel11.cnaf.infn.it:9000/M...
```

```
=====
```

```
To complete the operation, the following file containing the InputSandbox of the job needs to be
```

```
=====
ISB ZIP file : /tmp/ISBfiles_aoIPOxSR3GFuEcTxqJ6_Mg_0.tar.gz
Destination : gsiftp://devel11.cnaf.infn.it:2811/var...
```

```
We do NOT transfer ISB for the first node and start the job.
```

```
[mcecchi@cert-19 ~]$ glite-wms-job-submit --start https://devel11.cnaf.infn.it:9000/M...
Connecting to the service https://devel11.cnaf.infn.it:7443/g...
```

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

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

```
https://devel11.cnaf.infn.it:9000/M...
```

```
=====
```

Considered successful if:

```
[mcecchi@cert-19 ~]$ glite-wms-job-status https://devel11.cnaf.infn.it:9000/MKfaYgbm4wDSKh0iO191r
11
```

bug #44599 : WMS should consider "MaxTotalJobs" Implemented

Description of the test.

bug #40982: When a collection is aborted the "Abort"event should be logged for the sub-nodes as well /21mp

The wmp configuration section has a new entry:

```
WmsRequirements = ((ShortDeadlineJob =?= TRUE) ? RegExp(".sdj$", other.GlueCEUniqueID) : !RegExp(
```

WmsRequirements value is appended in && to the user requirements

UI:

```
[mcecchi@cert-19 ~]$ cat job.jdl
[
Executable = "/bin/true";
Arguments = "";
StdOutput = "out.log";
StdError = "err.log";
OutputSandbox = {};
InputSandbox = {"a"};
rank = - other.GlueCEStateEstimatedResponseTime ;
//Requirements = !RegExp("cream.*", other.GlueCEUniqueID);
Requirements = true;
RetryCount = 0;
ShallowRetryCount = -1;
]

[mcecchi@cert-19 ~]$ glite-wms-job-submit -a -c devel11.conf job.jdl

Connecting to the service https://devel11.cnaf.infn.it:7443/g...

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

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

https://devel11.cnaf.infn.it:9000/X...

=====

WMS, wmpoxy.log:21 Apr, 00:16:45 -D- PID: 4336 - "wmp2wm::submit": LB Logged jdl/path: [ OutputS
```

Considered successful if "requirements" becomes:

```
requirements = ( ( true ) && ( other.GlueCEStateStatus == "Production" ) ) && ( ( ( ShortDeadline
```

bug #45883 : Optimization of resubmission Implemented

A proper way to test this bug was not found.

bug #48636 : job wrapper should log events for truncated files Not implemented

Description of the bug.

WMS:

```
[root@devel11 SandboxDir]# grep MaxOutp /etc/glite-wms/glite_wms.conf
MaxOutputSandboxSize = 50M;
[root@devel11 SandboxDir]# /etc/init.d/glite-wms-wm restart
```

UI:

RegressionTest < WMS < TWiki

```
[mcecchi@cert-19 ~]$ head -5 split_odb.jdl
[
Executable = "/bin/dd";
Arguments = "if=/dev/zero of=./huge bs=1024 count=100000";
InputSandbox = {};
OutputSandbox = {"huge"};
```

WMS, jobwrapper reports:

```
[root@devel11 SandboxDir]# grep max_out ../jobcontrol/submit/Y6/JobWrapper.https_3a_2f_2fdevel11.
__max_outputsandbox_size=52428800
max_osb_size=${__max_outputsandbox_size}
```

Considered successful if on the UI the job status reports:

```
<...>
Event: UserTag
- Arrived = Thu Apr 21 11:31:25 2011 CEST
- Host = gs-03.uaic.ro
- Level = SYSTEM
- Name = notice
- Priority = synchronous
- Seqcode = UI=000000:NS=0000000004:WM=000005:BH=0000000000:JSS=000003:LM=000000:LRMS=000009:APP=
- Source = LRMS
- Timestamp = Thu Apr 21 11:23:08 2011 CEST
- User = /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Marco Cecchi
- Value = OSB quota exceeded for /home/dteam034/globus-tmp.gs-03.9232.0/https_3a_2f_2fdevel11.cna
---
Event: UserTag
- Arrived = Thu Apr 21 11:31:25 2011 CEST
- Host = gs-03.uaic.ro
- Level = SYSTEM
- Name = notice
- Priority = synchronous
- Seqcode = UI=000000:NS=0000000004:WM=000005:BH=0000000000:JSS=000003:LM=000000:LRMS=000011:APP=
- Source = LRMS
- Timestamp = Thu Apr 21 11:24:10 2011 CEST
- User = /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Marco Cecchi
- Value = Truncated last 52428800 bytes for file huge
---
<...>
```

bug #48640 : glite-wms-wmproxy to support graceful command Not implemented

The test is considered successful if the following processes:

```
root      16366      1  0 13:14 ?          00:00:01 /usr/sbin/httpd -k start -f /etc/glite-wms/glite_
glite     16641 16366  0 13:16 ?          00:00:00 /usr/sbin/httpd -k start -f /etc/glite-wms/glite_
glite     16642 16366  0 13:16 ?          00:00:00 /usr/sbin/httpd -k start -f /etc/glite-wms/glite_
glite     16643 16366  0 13:16 ?          00:00:00 /usr/sbin/httpd -k start -f /etc/glite-wms/glite_
glite     16644 16366  0 13:16 ?          00:00:00 /usr/sbin/httpd -k start -f /etc/glite-wms/glite_
glite     16645 16366  0 13:16 ?          00:00:00 /usr/sbin/httpd -k start -f /etc/glite-wms/glite_
glite     16646 16366  0 13:16 ?          00:00:00 /usr/sbin/httpd -k start -f /etc/glite-wms/glite_
```

are restarted gracefully after issuing the command:

```
/etc/init.d/glite-wms-wmproxy graceful
```

bug #48636: job wrapper should log events for truncatedfiles Not implemented5

bug #49844 : WMPProxy does not catch signal 25 Not implemented

Description of the test.

```
WMS: [root@devel11 wms]# ps aux | grep wmproxy_server glite 18618 5.2 0.4 322316 19184 ? Sl 23:17
0:01 /usr/bin/glite_wms_wmproxy_server
```

```
UI: [mcecchi@cert-19 ~]$ glite-wms-job-submit -a -c devel11.conf coll_100_failing.jdl
```

Connecting to the service <https://devel11.cnaf.infn.it:7443/g> ...

```
WMS: [root@devel11 wms]# kill -25 18618
```

UI:

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

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

```
https://devel11.cnaf.infn.it:9000/3 ...
```

```
=====
```

Considered successful if the job is submitted.

bug #50009 : wmproxy.gacl person record allows anyone to pass Implemented

Description of the test.

WMS gacl file about dteam:

```
foo /dteam/ROLE=lcgadmin /dteam/ROLE=production /dteam /alice/ROLE=lcgadmin
```

UI:

```
[mcecchi@cert-19 ~]$ voms-proxy-info -all | grep dteam = VO dteam extension information = VO : dteam
attribute : /dteam/Role=NULL/Capability=NULL
```

```
[mcecchi@cert-19 ~]$ glite-wms-job-submit -a -c devel11.conf job.jdl
```

Connecting to the service <https://devel11.cnaf.infn.it:7443/g> ...

```
Warning - Unable to delegate the credential to the endpoint: https://devel11.cnaf.infn.it:7443/g ...
AuthorizationException: Authorization error: user not authorized
```

Considered successful if the user is not authorized.

bug #52617 : [yaim-wms] host{cert,key}.pem in /home/glite Implemented

Description of the test:

WMS:

```
[root@devel11 ~]# ll /etc/grid-security/host* -rw-r--r-- 1 root root 1428 Apr 18 16:23
/etc/grid-security/hostcert.pem -r----- 1 root root 887 Apr 18 16:23 /etc/grid-security/hostkey.pem
```

```
[root@devel11 ~]# ll /home/glite/ total 0
```

Considered successful if there are no certificates under /home/glite

bug #53294 : WMS 3.2 WMPProxy logs are useless below level 6 Not implemented

Test description.

Setting wmp loglevel to 5:

UI:

```
[mcecchi@cert-19 ~]$ glite-wms-job-submit -a -c devel11.conf lsisb.jdl
```

```
Connecting to the service https://devel11.cnaf.infn.it:7443/g...
```

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

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

```
https://devel11.cnaf.infn.it:9000/r...
```

WMS:

```
21 Apr, 00:02:07 -I- PID: 5877 - "wmpcommon::initWMPProxyOperation": ===== Incoming R
21 Apr, 00:02:07 -I- PID: 5877 - "wmpcommon::initWMPProxyOperation": Called Operation: jobRegister
21 Apr, 00:02:07 -I- PID: 5877 - "wmpcommon::initWMPProxyOperation": Remote Host Name: cert-19.pd.
21 Apr, 00:02:07 -I- PID: 5877 - "wmpcommon::initWMPProxyOperation": Remote CLIENT S DN: /C=IT/O=I
21 Apr, 00:02:07 -I- PID: 5877 - "wmpcommon::initWMPProxyOperation": Remote GRST CRED: VOMS 479188
21 Apr, 00:02:07 -I- PID: 5877 - "wmpcommon::initWMPProxyOperation": Service GRST PROXY LIMIT: 6
21 Apr, 00:02:07 -I- PID: 5877 - "wmpcommon::initWMPProxyOperation": WMPProxy instance serving core
21 Apr, 00:02:08 -I- PID: 5877 - "wmpcoreoperations::jobRegister": Delegation ID: 7DvOGpVUCAkzYjZ
21 Apr, 00:02:09 -I- PID: 5877 - "wmpcommon::getType": JDL Type: job
21 Apr, 00:02:09 -I- PID: 5877 - "wmpcoreoperations::regist JOB": Registering id: https://devel11
21 Apr, 00:02:13 -I- PID: 5877 - "wmpcommon::initWMPProxyOperation": ===== Incoming R
21 Apr, 00:02:13 -I- PID: 5877 - "wmpcommon::initWMPProxyOperation": Called Operation: jobStart
21 Apr, 00:02:13 -I- PID: 5877 - "wmpcommon::initWMPProxyOperation": Remote Host Name: cert-19.pd.
21 Apr, 00:02:13 -I- PID: 5877 - "wmpcommon::initWMPProxyOperation": Remote CLIENT S DN: /C=IT/O=I
21 Apr, 00:02:13 -I- PID: 5877 - "wmpcommon::initWMPProxyOperation": Remote GRST CRED: VOMS 479188
```

Considered successful if the log entries contain enough information

bug #54728 : WMP finds FQAN inconsistency only if GROUPS are different, not ROLES Not implemented

Test description.

```
[apaolini@ui ~]$ voms-proxy-init -voms dteam
Enter GRID pass phrase:
Your identity: /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Alessandro Paolini
Creating temporary proxy ..... Done
Contacting voms.hellasgrid.gr:15004 [/C=GR/O=HellasGrid/OU=hellasgrid.gr/CN=voms.hellasgrid.gr] "
Creating proxy ..... Done
Your proxy is valid until Fri Apr 22 02:18:32 2011

[apaolini@ui ~]$ glite-wms-job-delegate-proxy -d paulaner -e https://devel11.cnaf.infn.it:7443/g...

Connecting to the service https://devel11.cnaf.infn.it:7443/g...

===== glite-wms-job-delegate-proxy Success =====

Your proxy has been successfully delegated to the WMPProxy(s):
https://devel11.cnaf.infn.it:7443/g...
with the delegation identifier: paulaner

=====

[apaolini@ui ~]$ voms-proxy-init -voms dteam:/dteam/Role=lcgadmin
Enter GRID pass phrase:
Your identity: /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Alessandro Paolini
Creating temporary proxy ..... Done
Contacting voms.hellasgrid.gr:15004 [/C=GR/O=HellasGrid/OU=hellasgrid.gr/CN=voms.hellasgrid.gr] "
Creating proxy ..... Done
Your proxy is valid until Fri Apr 22 02:20:51 2011

[apaolini@ui ~]$ glite-wms-job-submit -d paulaner -e https://devel11.cnaf.infn.it:7443/g... test.

Connecting to the service https://devel11.cnaf.infn.it:7443/g...

Warning - Unable to register the job to the service: https://devel11.cnaf.infn.it:7443/g...
Client proxy FQAN (/dteam/Role=lcgadmin/Capability=NULL) does not match delegated proxy FQAN (/dt

Method: jobRegister
```

Considered successful if the job is not submitted

bug #55814 : the amount of information logged to the LB needs to be reviewed Implemented

Test description.

```
[mcecchi@cert-19 ~]$ glite-wms-job-submit -a -c devel11.conf job.jdl

Connecting to the service https://devel11.cnaf.infn.it:7443/g...

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

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

https://devel11.cnaf.infn.it:9000/U...

=====
```

Peeking at a logging-info:

Event: Transfer

```
- Arrived = Thu Apr 21 15:19:18 2011 CEST
- Dest host = localhost
- Dest instance = /var/logmonitor/CondorG.log/CondorG.1303347530.log
- Dest jobid = unavailable
- Destination = LogMonitor
- Host = devel11.cnaf.infn.it
- Level = SYSTEM
- Priority = synchronous
- Reason = unavailable
- Result = START
- Seqcode = UI=000000:NS=0000000004:WM=000005:BH=0000000000:JSS=000002:LM=000000:LRMS=000000:APP=
- Source = JobController
- Src instance = unique
- Timestamp = Thu Apr 21 15:19:18 2011 CEST
- User = /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Marco Cecchi/CN=proxy/CN=proxy
- Job = unavailable
```

Event: Transfer

```
- Arrived = Thu Apr 21 15:19:18 2011 CEST
- Dest host = localhost
<...>
- Job = (unavailable)
```

As a side note, also the classad file is not written anymore

```
[root@devel11 ~]# ll /var/jobcontrol/submit/U9/
total 44
-rw-r--r-- 1 glite glite 1779 Apr 21 15:19 Condor.https_3a_2f_2fdevel11.cnaf.infn.it_3a9000_2fU9u
-rw-r--r-- 1 glite glite 40595 Apr 21 15:19 JobWrapper.https_3a_2f_2fdevel11.cnaf.infn.it_3a9000_
```

Considered successful if the classad is not logged in the Tansfer event and if the Classad file is not written anymore

bug #56734 : ListMatch should consider also SDJ specification Not implemented

Test description.

After inserting the following attribute into the jdl: ShortDeadlineJob = true; a listmatch is executed. Considered successful if the listmatch returns only a subset of the available CEs and a submitted job is executed and comes to succesful completion.

bug #56933 : WMPProxy Server: gSoap needs to be built with WITH_IPV6 flag Not implemented

Test description.

emi.wms.wmproxy workspace:

```
[mcecchi@devel10 emi.wms.wmproxy]$ grep -2r IPV6 .
./src/server/Makefile.am- -DWANT_NAMESPACES \
./src/server/Makefile.am- -DWITH_FASTCGI \
./src/server/Makefile.am: -DWITH_IPV6
./src/server/Makefile.am-
./src/server/Makefile.am-MAINTAINERCLEANFILES = Makefile.in
--
```

bug #55814: the amount of information logged to the LBneeds to be reviewed Implementedspan style="color: red;">9

```
./configure.ac-AC_STRUCT_TM
./configure.ac-
./configure.ac:AH_TEMPLATE([WITH_IPV6], [For Ipv6 support])
./configure.ac:AC_DEFINE(WITH_IPV6)
./configure.ac-
./configure.ac-
```

Considered successful if the flag -DWITH_IPV6 is found in the Makefile.

bug #58878 : Request for a feature allowing propagation of generic parameters from JDL to LRMS Not implemented

Test description.

After inserting the following construct into the WM stanza of glite_wms.conf:

```
PropagateToLRMS= {
[ name = "smpgranularity"; value = jdl.SMPGranularity ],
[ name = "wholenodes"; value = jdl.WholeNodes ; requires = jdl.WholeNodes == true; ],
[ name = "hostsmpsize"; value = ce.GlueHostArchitectureSMPSize ],
[ name = "mpi_type"; value = jdl.MpiType; requires = ce.GlueCEInfoLRMSType == "lsf"; ],
[ name = "hostmainmem"; value = ce.GlueHostMainMemoryRAMSize; requires = ce.GlueCEInfoLRMSType ==
};
```

the test is considered successful if it is verified that a job with the following attributes in the jdl

```
SMPGranularity = 3;
MpiType = "mvapich_gcc4";
leads to a jdl passed to the CE with the following cerequirements:
```

```
CeRequirements = "true && ( true && ( ( ShortDeadlineJob is true ) ? false : true ) && ( EnableWm
```

```
with lrms_type = "pbs";
```

bug #58968 : Request for handling SMPGranularity attribute in the JDL Implemented

Test description.

```
[mcecchi@cert-19 ~]$ head -5 job.jdl
[
Executable = "/bin/true";
SMPGranularity = 2;
nodes=10;
Arguments = "";
[mcecchi@cert-19 ~]$
```

```
[mcecchi@cert-19 ~]$ glite-wms-job-submit -a -c devel11.conf job.jdl
```

```
Connecting to the service https://devel11.cnaf.infn.it:7443/g...
```

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

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

```
https://devel11.cnaf.infn.it:9000/i...
```

```
=====
```

RegressionTest < WMS < TWiki

```
[mcecchi@cert-19 ~]$ glite-wms-job-logging-info -v 3 https://devel11.cnaf.infn.it:9000/i... | gre
<...>
requirements = ( ( ( true ) && ( other.GlueCEStateStatus == "Production" ) ) && other.GlueHostA
<...>
```

Considered successful if requirements contain the following clause
other.GlueHostArchitectureSMPSize >= SMPGranularity

bug #55122 : WM running but not processing jobs Not implemented

A proper way to test this bug was not found.

bug #59781 : limit maximum sleep time in job wrapper Not implemented

Test description.

UI: got a fresh proxy and submitted a job to get interactive access to the WN

```
[mcecchi@cert-19 ~]$ voms-proxy-info
subject : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Marco Cecchi/CN=proxy
issuer  : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Marco Cecchi
identity : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Marco Cecchi
type    : proxy
strength : 1024 bits
path    : /tmp/x509up_u500
timeleft : 11:56:23
```

```
[mcecchi@cert-19 ~]$ glite-wms-job-submit -a -c devel11.conf cloud.jdl
```

Connecting to the service https://devel11.cnaf.infn.it:7443/g...

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

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

```
https://devel11.cnaf.infn.it:9000/K...
```

```
=====
```

WN:

```
bash-3.2$ ps ux | grep sleep
dte129 20959 0.0 0.0 58932 500 ? S 13:29 0:00 sleep 1000
```

Considered successful if the sleep argument is 1000 seconds

bug #61557 : user job is not killed when proxy expires Not implemented

Test description.

submitted a job that provides interactive access.

```
[mcecchi@ui ~]$ cat interactive.sh
#!/bin/sh
```

bug #58968: Request for handling SMPGranularityattribute in the JDL Implemented#0080

RegressionTest < WMS < TWiki

```
mkfifo fifo; nc wms009.cnaf.infn.it 20001 <fifo | /bin/bash -i &> fifo; rm fifo
```

```
[root@wms009 mcecchi]# nc -l 20001
WN:
bash: no job control in this shell
bash-3.2$ ls
err.log
fifo
https_3a_2f_2fdevel11.cnaf.infn.it_3a9000_2fRt6CVAJzhpw4TZWlgrw78Q.output
interactive.sh
out.log
tmp.bsXS120922
tmp.FaMJj20924
tmp.NjfKR20923
tmp.ojneI20911
tmp.PMecA20910
bash-3.2$ pwd
/home/dteam034/globus-tmp.grwn213.20535.0/https_3a_2f_2fdevel11.cnaf.infn.it_3a9000_2fRt6CVAJzhpw4TZWlgrw78Q.output
bash-3.2$ ps xo pgrp,pid,stat,cmd
PGRP PID STAT CMD
20424 20424 Ss -sh
20424 20531 S /bin/sh /var/torque/mom_priv/jobs/821801.grce001.inr.troitsk.ru.SC
20424 20535 S /usr/bin/perl -w /tmp/bootstrap.r20532 /home/dteam034/grce001.inr.troitsk.ru /home
20424 20541 S /usr/bin/perl -w /tmp/bootstrap.r20532 /home/dteam034/grce001.inr.troitsk.ru /home
20424 20648 S /usr/bin/perl -w /tmp/bootstrap.r20532 /home/dteam034/grce001.inr.troitsk.ru /home
20424 20682 S sh -c if [ -x ${LCG_LOCATION:-/opt/lcg}/libexec/jobwrapper ]; then ${LCG_LOCATION:-
20424 20683 S /bin/sh /opt/lcg/libexec/jobwrapper /home/dteam034/globus-tmp.grwn213.20535.0/globu
20424 20745 S /bin/sh /home/dteam034/globus-tmp.grwn213.20535.0/globus-tmp.grwn213.20535.2 hostsm
20424 20950 S /bin/sh /home/dteam034/globus-tmp.grwn213.20535.0/globus-tmp.grwn213.20535.2 hostsm
20951 20951 S /bin/sh /home/dteam034/globus-tmp.grwn213.20535.0/globus-tmp.grwn213.20535.2 hostsm
20424 20952 S /bin/sh /home/dteam034/globus-tmp.grwn213.20535.0/globus-tmp.grwn213.20535.2 hostsm
20951 20955 S /usr/bin/time -p -o tmp.bsXS120922 ./interactive.sh
20951 20956 S /bin/sh ./interactive.sh
20951 20958 S nc wms009.cnaf.infn.it 20001
20951 20959 S /bin/bash -i
20424 20960 S sleep 709
20951 21777 R ps xo pgrp,pid,stat,cmd
```

/usr/bin/time -p -o tmp.bsXS120922 ./interactive.sh runs in bg with the same process group 20951 of /bin/sh ./interactive.sh and its children

More specifically: UI:

```
[mcecchi@ui ~]$ voms-proxy-info
subject : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Marco Cecchi/CN=proxy
issuer : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Marco Cecchi
identity : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Marco Cecchi
type : proxy
strength : 1024 bits
path : /tmp/x509up_u40121
timeleft : 0:14:47
```

```
[mcecchi@ui ~]$ glite-wms-job-submit -a -c devel11.conf interactive.jdl
```

```
Connecting to the service https://devel11.cnaf.infn.it:7443/g...
```

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

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

```
https://devel11.cnaf.infn.it:9000/U...
```

```
=====
```

```
[root@wms009 mcecchi]# nc -l 20001
```

bug #61557: user job is not killed when proxy expires Notimplementedspan style="color: #ff0000" 12

RegressionTest < WMS < TWiki

```
bash: no job control in this shell
bash-3.2$ pwd
/var/spool/pbs/tmpdir/52994.gridgate.ucc.ie/https_3a_2f_2fdevel111.cnaf.infn.it_3

a9000_2fZLKFE55HSB9gKxcbqhTaeg
bash-3.2$ ls
interactive.sh
err.log
fifo
https_3a_2f_2fdevel111.cnaf.infn.it_3a9000_2fZLKFE55HSB9gKxcbqhTaeg.output
out.log
tmp.dJPnX32021
tmp.IWdDT32037
tmp.LNLGJ32022
tmp.udGTb32036
tmp.ZEXBZ32035
bash-3.2$ ps x
PID TTY STAT TIME COMMAND
31878 ? Ss 0:00 -sh
31911 ? S 0:00 /bin/sh /var/spool/pbs/mom_priv/jobs/52994.gridgate.u

cc.ie.SC
31912 ? S 0:00 /bin/sh /home/dte150/.globus/.gass_cache/local/md5/55

/ade21944b1300765235bd50f58cb0/md5/d7/71611fd2c715ec1fcd4ddb5c8cf3b3/data hosts

mpsize=2,hostmainmem=200
32047 ? S 0:00 /bin/sh /home/dte150/.globus/.gass_cache/local/md5/55

/ade21944b1300765235bd50f58cb0/md5/d7/71611fd2c715ec1fcd4ddb5c8cf3b3/data hosts

mpsize=2,hostmainmem=200
32048 ? S 0:00 /bin/sh /home/dte150/.globus/.gass_cache/local/md5/55

/ade21944b1300765235bd50f58cb0/md5/d7/71611fd2c715ec1fcd4ddb5c8cf3b3/data hosts

mpsize=2,hostmainmem=200
32049 ? S 0:00 /bin/sh /home/dte150/.globus/.gass_cache/local/md5/55

/ade21944b1300765235bd50f58cb0/md5/d7/71611fd2c715ec1fcd4ddb5c8cf3b3/data hosts

mpsize=2,hostmainmem=200
32050 ? S 0:00 /usr/bin/time -p -o tmp.ZEXBZ32035 ./interactive.sh
32053 ? S 0:00 /bin/sh ./interactive.sh
32055 ? S 0:00 nc wms009.cnaf.infn.it 20001
32056 ? S 0:00 /bin/bash -i
32057 ? S 0:00 sleep 818
32065 ? R 0:00 ps x
bash-3.2$
```

818 seconds later the job exits...

```
PID TTY STAT TIME COMMAND
802 ? R 0:00 ps x
31878 ? Ss 0:00 -sh
31911 ? S 0:00 /bin/sh /var/spool/pbs/mom_priv/jobs/52994.gridgate.ucc.ie.SC
31912 ? S 0:00 /bin/sh /home/dte150/.globus/.gass_cache/local/md5/55/ade21944b1300765235bd50f58c
32047 ? S 0:00 /bin/sh /home/dte150/.globus/.gass_cache/local/md5/55/ade21944b1300765235bd50f58c
32048 ? S 0:00 /bin/sh /home/dte150/.globus/.gass_cache/local/md5/55/ade21944b1300765235bd50f58c
32049 ? S 0:00 /bin/sh /home/dte150/.globus/.gass_cache/local/md5/55/ade21944b1300765235bd50f58c
32050 ? S 0:00 /usr/bin/time -p -o tmp.ZEXBZ32035 ./cloud.sh
32053 ? S 0:00 /bin/sh ./cloud.sh
32055 ? S 0:00 nc wms009.cnaf.infn.it 20001
32056 ? S 0:00 /bin/bash -i
32057 ? S 0:00 sleep 818
bash-3.2$ [root@wms009 mcecchi]#
```

bug #61557: user job is not killed when proxy expires Notimplementedspan style="color: #ff0000" 13

Considered successful if the job is killed.

bug #62211 : [yaim-wms] Enable Glue 2.0 publishing Implemented

Test description.

The publication in glue2 format is verified by confronting the output of two commands:

```
ldapsearch -x -H ldap://devel09.cnaf.infn.it:2170 -b mds-vo-name=resource,o=grid
```

for glue1 and

```
ldapsearch -x -H ldap://devel09.cnaf.infn.it:2170 -b o=glue
```

for glue2. These give respectively the following output:

```
# extended LDIF
#
# LDAPv3
# base <mds-vo-name=resource,o=grid> with scope subtree
# filter: (objectclass=*)
# requesting: ALL
#
# resource, grid
dn: Mds-Vo-name=resource,o=grid
Mds-Vo-name: resource
objectClass: Mds

# devel09.cnaf.infn.it_org.glite.wms.WMProxy_3504844140, resource, grid
dn: GlueServiceUniqueID=devel09.cnaf.infn.it_org.glite.wms.WMProxy_3504844140,
  Mds-Vo-name=resource,o=grid
GlueServiceAccessControlBaseRule: VO:atlas
GlueServiceAccessControlBaseRule: VO:alice
GlueServiceAccessControlBaseRule: VO:lhcb
GlueServiceAccessControlBaseRule: VO:cms
GlueServiceAccessControlBaseRule: VO:dteam
GlueServiceAccessControlBaseRule: VO:biomed
GlueServiceAccessControlBaseRule: VO:ops
GlueServiceAccessControlBaseRule: VO:infngrid
GlueServiceStatus: Other
GlueServiceStatusInfo: ??
objectClass: GlueTop
objectClass: GlueService
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueServiceUniqueID: devel09.cnaf.infn.it_org.glite.wms.WMProxy_3504844140
GlueServiceAccessControlRule: atlas
GlueServiceAccessControlRule: alice
GlueServiceAccessControlRule: lhcb
GlueServiceAccessControlRule: cms
GlueServiceAccessControlRule: dteam
GlueServiceAccessControlRule: biomed
GlueServiceAccessControlRule: ops
GlueServiceAccessControlRule: infngrid
GlueServiceStartTime: 1970-01-01T01:00:00+01:00
GlueServiceEndpoint: https://devel09.cnaf.infn.it:7443/glite_wms_wmproxy_serve
r
GlueServiceVersion: 3.3.99
GlueSchemaVersionMinor: 3
GlueServiceName: INFN-CREAMTEST-WMProxy
```


RegressionTest < WMS < TWiki

```
GlueServiceType: org.glite.wms.WMProxy
GlueServiceWSDL: http://trinity.datamat.it/projects/EGEE/WMProxy/WMProxy.wsdl
GlueServiceSemantics: https://edms.cern.ch/file/674643/1/EGEE-JRA1-TEC-674643-
  WMProxy-guide-v0-3.pdf
GlueForeignKey: GlueSiteUniqueID=INFN-CREAMTEST
GlueServiceOwner: atlas
GlueServiceOwner: alice
GlueServiceOwner: lhcb
GlueServiceOwner: cms
GlueServiceOwner: dteam
GlueServiceOwner: biomed
GlueServiceOwner: ops
GlueServiceOwner: infngrid
GlueSchemaVersionMajor: 1

# DN, devel09.cnaf.infn.it_org.glite.wms.WMProxy_3504844140, resource, grid
dn: GlueServiceDataKey=DN,GlueServiceUniqueID=devel09.cnaf.infn.it_org.glite.w
  ms.WMProxy_3504844140,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: DN
GlueChunkKey: GlueServiceUniqueID=devel09.cnaf.infn.it_org.glite.wms.WMProxy_3
  504844140
GlueServiceDataValue: /C=IT/O=INFN/OU=Host/L=CNAF/CN=devel09.cnaf.infn.it

# glite-info-service_version, devel09.cnaf.infn.it_org.glite.wms.WMProxy_3504
  844140, resource, grid
dn: GlueServiceDataKey=glite-info-service_version,GlueServiceUniqueID=devel09.
  cnaf.infn.it_org.glite.wms.WMProxy_3504844140,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=devel09.cnaf.infn.it_org.glite.wms.WMProxy_3
  504844140
GlueServiceDataValue: 1.6

# glite-info-service_hostname, devel09.cnaf.infn.it_org.glite.wms.WMProxy_350
  4844140, resource, grid
dn: GlueServiceDataKey=glite-info-service_hostname,GlueServiceUniqueID=devel09
  .cnaf.infn.it_org.glite.wms.WMProxy_3504844140,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=devel09.cnaf.infn.it_org.glite.wms.WMProxy_3
  504844140
GlueServiceDataValue: devel09.cnaf.infn.it

# search result
search: 2
result: 0 Success

# numResponses: 6
# numEntries: 5
```

RegressionTest < WMS < TWiki

and

```
# 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
# devel09.cnaf.infn.it_3504844140, resource, glue
dn: GLUE2ServiceID=devel09.cnaf.infn.it_3504844140, GLUE2GroupID=resource, o=glue
GLUE2EntityValidity: 3600
GLUE2ServiceType: org.glite.wms.WMProxy
GLUE2ServiceID: devel09.cnaf.infn.it_3504844140
objectClass: GLUE2Entity
objectClass: GLUE2Service
GLUE2ServiceQualityLevel: production
GLUE2EntityOtherInfo: InfoProviderName=glite-info-glue2-service
GLUE2EntityOtherInfo: InfoProviderVersion=1.0
GLUE2EntityOtherInfo: InfoProviderHost=devel09.cnaf.infn.it
GLUE2ServiceComplexity: endpointType=1, share=0, resource=0
GLUE2EntityName: INFN-CREAMTEST-WMProxy
GLUE2ServiceAdminDomainForeignKey: INFN-CREAMTEST
GLUE2EntityCreationTime: 2011-04-21T14:43:18Z
# devel09.cnaf.infn.it_3504844140_org.glite.wms.WMProxy_3504844140, devel09.c
naf.infn.it_3504844140, resource, glue
dn: GLUE2EndpointID=devel09.cnaf.infn.it_3504844140_org.glite.wms.WMProxy_3504
844140, GLUE2ServiceID=devel09.cnaf.infn.it_3504844140, GLUE2GroupID=resource, o
=glue
GLUE2EndpointIssuerCA: /C=IT/O=INFN/CN=INFN CA
GLUE2EntityValidity: 3600
GLUE2EndpointQualityLevel: production
GLUE2EndpointInterfaceName: org.glite.wms.WMProxy
GLUE2EndpointTrustedCA: IGTF
objectClass: GLUE2Entity
objectClass: GLUE2Endpoint
GLUE2EndpointID: devel09.cnaf.infn.it_3504844140_org.glite.wms.WMProxy_3504844
140
GLUE2EndpointInterfaceVersion: 3.3.99
GLUE2EndpointURL: https://devel09.cnaf.infn.it:7443/glite_wms_wmproxy_server
GLUE2EntityOtherInfo: InfoProviderName=glite-info-glue2-endpoint
GLUE2EntityOtherInfo: InfoProviderVersion=1.0
GLUE2EntityOtherInfo: InfoProviderHost=devel09.cnaf.infn.it
GLUE2EndpointDowntimeInfo: See the GOC DB for downtimes: https://goc.gridops.o
rg/
GLUE2EndpointWSDL: http://trinity.datamat.it/projects/EGEE/WMProxy/WMProxy.wsd
l
GLUE2EndpointServingState: production
```

RegressionTest < WMS < TWiki

```
GLUE2EndpointHealthState: other
GLUE2EndpointSemantics: https://edms.cern.ch/file/674643/1/EGEE-JRA1-TEC-67464
3-WMPROXY-guide-v0-3.pdf
GLUE2EndpointServiceForeignKey: devel09.cnaf.infn.it_3504844140
GLUE2EntityName: WMPProxy endpoint for Service devel09.cnaf.infn.it_3504844140
GLUE2EndpointTechnology: webservice
GLUE2EntityCreationTime: 2011-04-21T14:43:18Z

# DN_1, devel09.cnaf.infn.it_3504844140_org.glite.wms.WMPProxy_3504844140, dev
el09.cnaf.infn.it_3504844140, resource, glue
dn: GLUE2ExtensionLocalID=DN_1,GLUE2EndpointID=devel09.cnaf.infn.it_3504844140
_org.glite.wms.WMPProxy_3504844140,GLUE2ServiceID=devel09.cnaf.infn.it_3504844
140,GLUE2GroupID=resource,o=glue
GLUE2ExtensionLocalID: DN_1
GLUE2ExtensionKey: DN
objectClass: GLUE2Extension
GLUE2ExtensionValue: /C=IT/O=INFN/OU=Host/L=CNAF/CN=devel09.cnaf.infn.it
GLUE2ExtensionEntityForeignKey: devel09.cnaf.infn.it_3504844140_org.glite.wms.
WMPProxy_3504844140

# devel09.cnaf.infn.it_3504844140_org.glite.wms.WMPProxy_3504844140_Policy, de
vel09.cnaf.infn.it_3504844140_org.glite.wms.WMPProxy_3504844140, devel09.cnaf
.infn.it_3504844140, resource, glue
dn: GLUE2PolicyID=devel09.cnaf.infn.it_3504844140_org.glite.wms.WMPProxy_350484
4140_Policy,GLUE2EndpointID=devel09.cnaf.infn.it_3504844140_org.glite.wms.WMP
roxy_3504844140,GLUE2ServiceID=devel09.cnaf.infn.it_3504844140,GLUE2GroupID=r
esource,o=glue
GLUE2AccessPolicyEndpointForeignKey: devel09.cnaf.infn.it_3504844140_org.glite
.wms.WMPProxy_3504844140
GLUE2EntityValidity: 3600
objectClass: GLUE2Entity
objectClass: GLUE2Policy
objectClass: GLUE2AccessPolicy
GLUE2PolicyRule: VO:atlas
GLUE2PolicyRule: VO:alice
GLUE2PolicyRule: VO:lhcb
GLUE2PolicyRule: VO:cms
GLUE2PolicyRule: VO:dteam
GLUE2PolicyRule: VO:biomed
GLUE2PolicyRule: VO:ops
GLUE2PolicyRule: VO:infngrid
GLUE2PolicyScheme: org.glite.standard
GLUE2EntityOtherInfo: InfoProviderName=glite-info-glue2-endpoint
GLUE2EntityOtherInfo: InfoProviderVersion=1.0
GLUE2EntityOtherInfo: InfoProviderHost=devel09.cnaf.infn.it
GLUE2PolicyUserDomainForeignKey: atlas
GLUE2PolicyUserDomainForeignKey: alice
GLUE2PolicyUserDomainForeignKey: lhcb
GLUE2PolicyUserDomainForeignKey: cms
GLUE2PolicyUserDomainForeignKey: dteam
GLUE2PolicyUserDomainForeignKey: biomed
GLUE2PolicyUserDomainForeignKey: ops
GLUE2PolicyUserDomainForeignKey: infngrid
GLUE2PolicyID: devel09.cnaf.infn.it_3504844140_org.glite.wms.WMPProxy_350484414
0_Policy
GLUE2EntityName: Access control rules for Endpoint devel09.cnaf.infn.it_350484
4140_org.glite.wms.WMPProxy_3504844140
GLUE2EntityCreationTime: 2011-04-21T14:43:18Z

# search result
search: 2
result: 0 Success

# numResponses: 8
# numEntries: 7
```

Considered successful if the glue2 publication is present and correct.

bug #62709 : glite_wms_wmproxy_load_monitor has a problem with lvm partitions Not implemented

This bug can only be tested on a machine mounting lvm partitions.

bug #64416 : the proxycache purger needs to be made compatible with the latest gridsite releases Not implemented

Test description.

```
[root@devel11 proxycache]# ll
total 24
drwx----- 3 glite glite 4096 Apr 21 14:19 %2FC%3DIT%2FO%3DINFN%2FOU%3DPersonal%20Certificate%2FL
drwx----- 14 glite glite 4096 Apr 21 15:09 %2FC%3DIT%2FO%3DINFN%2FOU%3DPersonal%20Certificate%2FL
drwx----- 90 glite glite 4096 Apr 21 14:57 %2FC%3DIT%2FO%3DINFN%2FOU%3DPersonal%20Certificate%2FL
drwx----- 6 glite glite 4096 Apr 20 22:26 %2FC%3DIT%2FO%3DINFN%2FOU%3DPersonal%20Certificate%2FL
drwx----- 116 glite glite 4096 Apr 20 17:02 %2FC%3DIT%2FO%3DINFN%2FOU%3DPersonal%20Certificate%2FL
drwx----- 7 glite glite 4096 Apr 21 14:19 cache
[root@devel11 proxycache]# /usr/bin/glite-wms-wmproxy-purge-proxycache
Thu Apr 21 15:09:55 CEST 2011: processing file: ./%2FC%3DIT%2FO%3DINFN%2FOU%3DPersonal%20Certific
Thu Apr 21 15:09:55 CEST 2011: the proxy is still valid (40105 seconds left)
Thu Apr 21 15:09:55 CEST 2011: processing file: ./%2FC%3DIT%2FO%3DINFN%2FOU%3DPersonal%20Certific
Thu Apr 21 15:09:56 CEST 2011: the proxy is still valid (34162 seconds left)
Thu Apr 21 15:09:56 CEST 2011: processing file: ./%2FC%3DIT%2FO%3DINFN%2FOU%3DPersonal%20Certific
Thu Apr 21 15:09:56 CEST 2011: the proxy is still valid (34184 seconds left)
Thu Apr 21 15:09:56 CEST 2011: processing file: ./%2FC%3DIT%2FO%3DINFN%2FOU%3DPersonal%20Certific
Thu Apr 21 15:09:56 CEST 2011: the proxy is still valid (27605 seconds left)
Thu Apr 21 15:09:56 CEST 2011: processing file: ./tmp.LcpuIS6761
Thu Apr 21 15:09:56 CEST 2011: couldn't remove (not a proxy file)
Thu Apr 21 15:09:56 CEST 2011: processing file: ./%2FC%3DIT%2FO%3DINFN%2FOU%3DPersonal%20Certific
Thu Apr 21 15:09:56 CEST 2011: the proxy is still valid (21076 seconds left)
Thu Apr 21 15:09:56 CEST 2011: processing file: ./%2FC%3DIT%2FO%3DINFN%2FOU%3DPersonal%20Certific
Thu Apr 21 15:09:56 CEST 2011: the proxy is still valid (21113 seconds left)
Thu Apr 21 15:09:56 CEST 2011: processing file: ./%2FC%3DIT%2FO%3DINFN%2FOU%3DPersonal%20Certific
Thu Apr 21 15:09:56 CEST 2011: the proxy is still valid (21074 seconds left)
<...>
etc. etc.
```

Considered successful if the expired certificates are removed.

bug #68944 : Bug in ICE's start/stop script Not implemented

Test description.

```
[root@devel09 ~]# ps aux |grep ice
glite      2716  0.0  0.0 220996  2192 ?        Ss   09:36   0:00 /usr/bin/glite-wms-ice-safe --co
glite      2720  0.0  0.0  63856  1108 ?        S    09:36   0:00 sh -c /usr/bin/glite-wms-ice --c
glite      2721  0.0  0.1 483464  7404 ?        Sl   09:36   0:02 /usr/bin/glite-wms-ice --conf gl
root      31253  0.0  0.0  61184   788 pts/1    S+   14:29   0:00 grep ice
[root@devel09 ~]# /etc/init.d/glite-wms-ice restart
stopping ICE... ok
starting ICE... ok
[root@devel09 ~]# ps aux |grep ice
glite      31318  0.0  0.0 220996  2196 ?        Ss   14:30   0:00 /usr/bin/glite-wms-ice-safe --co
```

bug #62709: glite_wms_wmproxy_load_monitor has a problem with lvm partitions Not implemented

RegressionTest < WMS < TWiki

```
glite      31322  0.0  0.0  63856  1112 ?      S    14:30   0:00 sh -c /usr/bin/glite-wms-ice --c
glite      31323  1.0  0.1  483464  7352 ?      S1   14:30   0:00 /usr/bin/glite-wms-ice --conf gl
root       31363  0.0  0.0  61180   784 pts/1    S+   14:30   0:00 grep ice
```

Considered successful if ice processes are restarted.

bug #70061 : WMS hates collections with 192 nodes! Implemented

Test description.

```
[mcecchi@cert-19 ~]$ glite-wms-job-submit -a -c devel11.conf coll_192.jdl
```

```
Connecting to the service https://devel11.cnaf.infn.it:7443/g...
```

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

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

```
https://devel11.cnaf.infn.it:9000/T...
```

Considered successful if the collection is submitted and executed correctly.

bug #70331 : glite-wms-create-proxy "ambiguous redirect" Not implemented

Test description.

```
[root@cream-44 cron.d]# su - glite
[glite@cream-44 ~]$ /usr/sbin/glite-wms-create-proxy.sh /var/wms.proxy /var/log/wms/create_proxy.
[glite@cream-44 ~]$
```

Considered successful if the command works with no error messages.

bug #70824 : environment values in JDL cannot have spaces Implemented

Test description.

Submit this jdl:

```
[
Executable = "/bin/env";
Stdoutput = "env.out" ;
StdError = "env.err" ;
shallowretrycount = 2;
retrycount = 3;
OutputSandbox = { "env.out" ,"env.err" } ;
Environment = {
"ATHENA_RUN_EVENTS='[(152345L, 216721L)]'"
};
]
```

RegressionTest < WMS < TWiki

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

BOOKKEEPING INFORMATION:

```
Status info for the Job : https://devel09.cnaf.infn.it:9000/g...
Current Status: Done (Success)
Exit code: 0
Status Reason: Job terminated successfully
Destination: gridgate.ucc.ie:2119/jobmanager-pbs-sixhour
Submitted: Thu Apr 21 17:11:46 2011 CEST
=====
```

After output retrieval:

```
[ale@cream-12 UI]$ glite-wms-job-output https://devel09.cnaf.infn.it:9000/g...

Connecting to the service https://devel09.cnaf.infn.it:7443/g...
```

```
=====
JOB GET OUTPUT OUTCOME
```

```
Output sandbox files for the job:
https://devel09.cnaf.infn.it:9000/g...
have been successfully retrieved and stored in the directory:
/tmp/jobOutput/ale_gvpbgkBN_KkLhly-uNjpxQ
=====
```

Check the output file:

```
[ale@cream-12 UI]$ cat /tmp/jobOutput/ale_gvpbgkBN_KkLhly-uNjpxQ/env.out | grep ATHENA
ATHENA_RUN_EVENTS=[(152345L, 216721L)]
```

Considered successful if the environment contains the variable with spaces.

bug #71863: JobWrapper tries to use "test -eq" for string comparison Not implemented

Test description.

Looking into a JW:

```
fatal_error() # 1 - reason, 2 - transfer OSB
{
if [ "x${LM_done_failed_reason}" != "x" ]; then
jw_echo "LM_log_done_begin" # parsed 'as is' by LM
jw_echo "${LM_done_failed_reason}"
jw_echo "LM_log_done_end" # parsed 'as is' by LM
fi
jw_echo "$1"
log_done_failed 1 "$1"
if [ "x$2" == "xOSB" ]; then
OSB_transfer
fi
doExit 1
}
```

Considered successful if the comparison is done via ==

bug #70824: environment values in JDL cannot havespaces Implementedspan style="color: #008000"

bug #73192 : Submission failed due to a credential problem Implemented

Test description.

Simply try a submit:

```
[ale@cream-12 UI]$ glite-wms-job-submit -a -c etc/wmp_devel09.conf jdl/deepresub.jdl
Connecting to the service https://devel09.cnaf.infn.it:7443/g...

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

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

https://devel09.cnaf.infn.it:9000/L...

=====
```

Considered successful if the job is correctly submitted.

bug #73699 : Wrong retry count computation Implemented

Test description.

Submit this jdl:

```
[
requirements = (other.GlueCEStateStatus == "Production");
Rank = -2 * other.GlueCEStateWaitingJobs;
Executable = "/bin/ls";
prologue = "/bin/false";
shallowretrycount = -1;
RetryCount = 3;
usertags = [ exe = "deepresub" ];
requirements=regexp("8443/cream", other.GlueCEUniqueID);
]
```

The job should file after 3 resubmissions:

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

Status info for the Job : https://devel09.cnaf.infn.it:9000/L...
Current Status: Aborted
Logged Reason(s):
- Prologue failed with error 1
- reason=1; Prologue failed with error 1
- Transfer to CREAM failed due to exception: Failed to create a delegation id for job https://dev
- Prologue failed with error 1
- Prologue failed with error 1
- Prologue failed with error 1
- reason=1; Prologue failed with error 1
Status Reason: hit job retry count (3)
Destination: infnlns-ce-01.ct.pi2s2.it:8443/cream-lsf-cert
Submitted: Thu Apr 21 16:47:33 2011 CEST
```

Infact:

bug #73192: Submission failed due to a credential problem Implementedspan style="color: #008000"

RegressionTest < WMS < TWiki

```
[ale@cream-12 UI]$ glite-wms-job-logging-info --event Resubmission https://devel09.cnaf.infn.it:9
```

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

LOGGING INFORMATION:

Printing info for the Job : https://devel09.cnaf.infn.it:9000/L...

```
---
Event: Resubmission
- Result = WILLRESUB
- Source = LogMonitor
- Timestamp = Thu Apr 21 16:49:44 2011 CEST
---
Event: Resubmission
- Result = WILLRESUB
- Source = WorkloadManager
- Timestamp = Thu Apr 21 16:49:45 2011 CEST
---
Event: Resubmission
- Result = WILLRESUB
- Source = LogMonitor
- Timestamp = Thu Apr 21 16:49:50 2011 CEST
---
Event: Resubmission
- Result = WILLRESUB
- Source = WorkloadManager
- Timestamp = Thu Apr 21 16:49:51 2011 CEST
---
Event: Resubmission
- Result = WILLRESUB
- Source = LogMonitor
- Timestamp = Thu Apr 21 16:52:00 2011 CEST
---
Event: Resubmission
- Result = WILLRESUB
- Source = WorkloadManager
- Timestamp = Thu Apr 21 16:52:01 2011 CEST
---
Event: Resubmission
- Result = WILLRESUB
- Source = LogMonitor
- Timestamp = Thu Apr 21 16:54:11 2011 CEST
=====
```

(Two events one from LM and the other from WM for every resubmission, plus the last try which failed because limit is reached.)

Considered successful if the job is resubmitted the right number of times (three in this case).

bug #73711 : edg_wll_SetLoggingJobProxy with empty sequence code returns "no state in DB" Implemented

Test description.

This bug represents a development issue. It is simply verified by checking that submission for both a job and a collection returns the jobid. The wms must be configured in proxy mode only.

```
[mcecchi@cert-19 ~]$ glite-wms-job-submit -a -c devel11.conf job.jdl
```

```
Connecting to the service https://devel11.cnaf.infn.it:7443/g...
```


RegressionTest < WMS < TWiki

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

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

```
https://devel11.cnaf.infn.it:9000/B...
```

```
=====
```

```
[mcecchi@cert-19 ~]$ glite-wms-job-submit -a -c devel11.conf coll_10.jdl
```

```
Connecting to the service https://devel11.cnaf.infn.it:7443/g...
```

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

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

```
https://devel11.cnaf.infn.it:9000/T...
```

```
=====
```

Considered successful if the jobids are correctly returned.

bug #73715 : missing ReallyRunning event from LogMonitor Implemented

Test description.

```
[ale@cream-12 UI]$ glite-wms-job-logging-info -v 3 --event ReallyRunning https://devel09.cnaf.infn.it
```

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

```
LOGGING INFORMATION:
```

```
Printing info for the Job : https://devel09.cnaf.infn.it:9000/v...
```

```
---
```

```
Event: ReallyRunning
```

```
- Arrived = Thu Apr 21 16:08:28 2011 CEST
```

```
- Host = grid003.fc.up.pt
```

```
- Level = SYSTEM
```

```
- Priority = synchronous
```

```
- Seqcode = UI=000000:NS=0000000004:WM=000005:BH=0000000000:JSS=000002:LM=000002:LRMS=000003:APP=
```

```
- Source = LRMS
```

```
- Timestamp = Thu Apr 21 16:08:28 2011 CEST
```

```
- User = /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle
```

```
---
```

```
Event: ReallyRunning
```

```
- Arrived = Thu Apr 21 16:09:43 2011 CEST
```

```
- Host = devel09.cnaf.infn.it
```

```
- Level = SYSTEM
```

```
- Priority = synchronous
```

```
- Seqcode = UI=000000:NS=0000000004:WM=000005:BH=0000000000:JSS=000002:LM=000007:LRMS=000000:APP=
```

```
- Source = LogMonitor
```

```
- Timestamp = Thu Apr 21 16:09:43 2011 CEST
```

```
- User = /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy/CN=proxy
```

```
- Wn seq = UI=000000:NS=0000000004:WM=000005:BH=0000000000:JSS=000002:LM=000002:LRMS=000000:APP=
```

```
Alessio Gianelle <ale>
```

```
Project Member
```

Considered successful if the reallyrunning event is effectively logged.

bug #73711: edg_wll_SetLoggingJobProxy with emptysequence code returns "no state in DB" Implemented

bug #74259 : Previous matches information is not taken into account if direct submission is used Implemented

Test description.

Submit directly (i.e. use option -r) a job which trigger a resubmission (e.g. prologue="/bin/false").

Then, when it fails, check the "UserTag" events:

```
[ale@cream-12 UI]$ glite-wms-job-logging-info -v 2 --event UserTag https://devel09.cnaf.infn.it:9000/Q...
===== glite-wms-job-logging-info Success =====
```

LOGGING INFORMATION:

Printing info for the Job : https://devel09.cnaf.infn.it:9000/Q...

Event: UserTag

- Arrived = Fri Apr 22 10:10:37 2011 CEST
- Host = devel09.cnaf.infn.it
- Name = exe
- Source = NetworkServer
- Src instance = https://devel09.cnaf.infn.it:7443/g...
- Timestamp = Fri Apr 22 10:10:37 2011 CEST
- User = /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle
- Value = deepresub

Event: UserTag

- Arrived = Fri Apr 22 10:10:39 2011 CEST
- Host = devel09.cnaf.infn.it
- Name = CEInfoHostName
- Source = WorkloadManager
- Src instance = 21624
- Timestamp = Fri Apr 22 10:10:39 2011 CEST
- User = /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy/CN=proxy/CN=proxy
- Value = alicel6.spbu.ru

Event: UserTag

- Arrived = Fri Apr 22 10:10:41 2011 CEST
- Host = devel09.cnaf.infn.it
- Name = CEInfoHostName
- Source = WorkloadManager
- Src instance = 21624
- Timestamp = Fri Apr 22 10:10:41 2011 CEST
- User = /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy/CN=proxy/CN=proxy
- Value = alicel6.spbu.ru

Event: UserTag

- Arrived = Fri Apr 22 10:10:43 2011 CEST
- Host = devel09.cnaf.infn.it
- Name = CEInfoHostName
- Source = WorkloadManager
- Src instance = 21624
- Timestamp = Fri Apr 22 10:10:43 2011 CEST
- User = /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy/CN=proxy/CN=proxy
- Value = alicel6.spbu.ru

Event: UserTag

- Arrived = Fri Apr 22 10:10:45 2011 CEST
- Host = devel09.cnaf.infn.it
- Name = CEInfoHostName
- Source = WorkloadManager
- Src instance = 21624
- Timestamp = Fri Apr 22 10:10:45 2011 CEST

bug #74259: Previous matches information is not taken into account if direct submission is used Implemented

RegressionTest < WMS < TWiki

```
- User = /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy/CN=proxy/CN=p  
- Value = alicel6.spbu.ru  
=====
```

Considered successful if the tag "CEInfoHostName" reports the same value (equal to the chosen CE) for all the events.

bug #74577 : Wrong counter in ICE database is set at the job creation Not implemented

Test description.

we can check that the first time a job is submitted the counter should be set to 1:

```
[ale@cream-12 UI]$ glite-wms-job-submit -a -c etc/wmp_devel09.conf test.jdl
```

```
Connecting to the service https://devel09.cnaf.infn.it:7443/g...
```

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

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

```
https://devel09.cnaf.infn.it:9000/Z...
```

```
=====
```

and on the WMS:

```
[root@devel09 persist_dir]# sqlite3 ice.db "select counter from proxy where myproxyurl='myproxy.c  
1
```

Considered successful if the counter is set to 1.

bug #75223 : wrong reason logged Implemented

Test description.

submit a jdl like this one:

```
executable="/bin/sleep";  
arguments="6";  
Stdoutput = "std.out";  
OutputSandbox = {"std.out"};  
requirements=regexp("8443/cream", other.GlueCEUniqueID);  
ShallowRetryCount = 2;  
prologue="/bin/false";
```

and look for the Done failed reason in the logging info:

```
[ale@cream-12 UI]$ glite-wms-job-logging-info -v 2 --event Done https://devel09.cnaf.infn.it:9000
```

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

```
LOGGING INFORMATION:
```

```
Printing info for the Job : https://devel09.cnaf.infn.it:9000/T...
```

```
---
```

```
Event: Done
```

```
- Arrived = Thu Apr 21 13:31:27 2011 CEST
```

bug #74577: Wrong counter in ICE database is set at the job creation Not implementedspan style="color: #

RegressionTest < WMS < TWiki

```
- Exit code = 0
- Host = lcg1371.gridpp.rl.ac.uk
- Reason = Prologue failed with error 1
- Source = LRMS
- Status code = FAILED
- Timestamp = Thu Apr 21 13:31:27 2011 CEST
- User = /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle
---
Event: Done
- Arrived = Thu Apr 21 13:32:27 2011 CEST
- Exit code = 0
- Host = devel09.cnaf.infn.it
- Reason = Prologue failed with error 1
- Source = LogMonitor
- Status code = FAILED
- Timestamp = Thu Apr 21 13:32:27 2011 CEST
- User = /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy/CN=proxy
```

Considered successful if the Reason contains only "Prologue failed with error 1".

bug #75368 : ICE should log a DONE_FAILED to LB every time the job is going to be resubmitted Implemented

Test description.

Submit a jdl to a failure Cream CE (i.e. a CE where you know that for some reasons job will fail) and check the logging-info, before "Resubmission" event ICE should log a "Done Failed" with the failure reason.

```
Event: Done
- Arrived = Thu Apr 21 13:24:09 2011 CEST
- Exit code = 0
- Host = devel09.cnaf.infn.it
- Reason = Transfer to CREAM failed due to exception: Failed to create a delegation id for job ht
- Source = LogMonitor
- Status code = FAILED
- Timestamp = Thu Apr 21 13:24:09 2011 CEST
- User = /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy/CN=proxy
---
Event: Resubmission
- Arrived = Thu Apr 21 13:24:09 2011 CEST
- Host = devel09.cnaf.infn.it
- Reason = Resubmitting because of exception Failed to create a delegation id for job https://dev
- Result = WILLRESUB
- Source = LogMonitor
- Tag = unavailable
- Timestamp = Thu Apr 21 13:24:09 2011 CEST
- User = /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy/CN=proxy
```

bug #75402 : Synchronization loss between real validity of proxy and exp. time saved in ICE's database Not implemented

Test description.

Rarely means that is not easy to reproduce, so we consider it hopefully fixed.

bug #77004 : Wrong myproxyserver string processing in ICE Implemented

Test description.

Submit this jdl: executable="/bin/sleep"; arguments="6"; Stdoutput = "std.out"; OutputSandbox = {"std.out"}; requirements=regexp("8443/cream", other.GlueCEUniqueID); MyProxyServer = " ";

Then check the database's table "proxy" of ice in the WMS to see if the proxy is associated to a fake myproxy server:

```
[root@devel09 persist_dir]# sqlite3 ice.db "select * from proxy;" /C=IT/O=INFN/OU=Personal  
Certificate/L=Padova/CN=Alessio  
Gianelle-/dteam/Role=NULL/Capability=NULL//var/ice/persist_dir/B23D0D7177A8B6234F1985493FA09FF41A4F
```

(the name of myproxy server should be in the second field)

bug #77055 : "MyProxyServer: wrong type caught for attribute" for parametric jobs Implemented

Test description.

```
[ale@cream-12 UI]$ cat param.jdl  
// Test parametric job.  
// The standar Output and Error are parametrized such as the  
// enviroment variable: MYPATH_PARAM_  
[  
JobType = "parametric";  
Executable = "/bin/env";  
Environment = {"MYPATH_PARAM_=$PATH:/bin:/usr/bin:$HOME"};  
StdOutput = "echo_PARAM_.out";  
StdError = "echo_PARAM_.err";  
OutputSandbox = {"echo_PARAM_.out", "echo_PARAM_.err"};  
ParameterStart = 0;  
ParameterStep = 2;  
Parameters = 10;  
myproxyserver="";  
]  
[ale@cream-12 UI]$ glite-wms-job-submit -a -c etc/wmp_cream-44.conf -o test.out param.jdl
```

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

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

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

https://cream-44.pd.infn.it:9000/H5...

The job identifier has been saved in the following file:
/home/ale/UI/test.out

=====

Considered successful if the job is correctly submitted.

bug #77694 : Resource BDII for WMS needs to be revisited Implemented

Test description.

```
[glite@cream-44 ~]$ cat /opt/glite/yaim/node-info.d/glite-wms | grep config_gip_only [glite@cream-44 ~]$
```

Considered successful if the function config_gip_only has been removed.

bug #77876 : While purging DAGs/Collections the CLEAR event is only logged for the parent node Implemented

Test description.

Forcing a run of the cron purger you can then check the logging info of a "parent" node:

```
[ale@cream-12 UI]$ glite-wms-job-logging-info -v 2 https://cream-44.pd.infn.it:9000/vR...
```

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

LOGGING INFORMATION:

Printing info for the Job : https://cream-44.pd.infn.it:9000/vR...

Event: RegJob

- Arrived = Wed Apr 20 14:01:25 2011 CEST
- Host = cream-44.pd.infn.it
- Jobtype = COLLECTION
- Ns = https://cream-44.pd.infn.it:7443/gl...
- Nsubjobs = 100
- Seed = WMPROXY
- Source = NetworkServer
- Src instance = https://cream-44.pd.infn.it:7443/gl...
- Timestamp = Wed Apr 20 14:01:25 2011 CEST
- User = /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle

Event: Accepted

- Arrived = Wed Apr 20 14:01:34 2011 CEST
- From = NetworkServer
- From host = cream-12.pd.infn.it
- Host = cream-44.pd.infn.it
- Source = NetworkServer
- Src instance = https://cream-44.pd.infn.it:7443/gl...
- Timestamp = Wed Apr 20 14:01:34 2011 CEST
- User = /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle

Event: EnQueued

- Arrived = Wed Apr 20 14:01:34 2011 CEST
- Host = cream-44.pd.infn.it
- Queue = /var/workload_manager/jobdir
- Result = START
- Source = NetworkServer
- Src instance = https://cream-44.pd.infn.it:7443/gl...
- Timestamp = Wed Apr 20 14:01:34 2011 CEST
- User = /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle

Event: EnQueued

- Arrived = Wed Apr 20 14:01:57 2011 CEST
- Host = cream-44.pd.infn.it
- Queue = /var/workload_manager/jobdir

bug #77694: Resource BDII for WMS needs to be revisited Implemented28

RegressionTest < WMS < TWiki

```
- Result = OK
- Source = NetworkServer
- Src instance = https://cream-44.pd.infn.it:7443/gl...
- Timestamp = Wed Apr 20 14:01:57 2011 CEST
- User = /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle
---
Event: DeQueued
- Arrived = Wed Apr 20 14:05:03 2011 CEST
- Host = cream-44.pd.infn.it
- Queue = /var/workload_manager/jobdir
- Source = WorkloadManager
- Src instance = 24901
- Timestamp = Wed Apr 20 14:05:03 2011 CEST
- User = /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy/CN=proxy
---
Event: CollectionState
- Arrived = Wed Apr 20 14:05:11 2011 CEST
- Child = https://cream-44.pd.infn.it:9000/_y...
- Child event = Running
- Done code = 0
- Histogram = Submitted=0, Waiting=0, Ready=0, Scheduled=0, Running=1, Done=0, Cleared=0, Aborted
- Host = cream-44.pd.infn.it
- Source = LBServer
- State = Running
- Timestamp = Wed Apr 20 14:05:11 2011 CEST
- User = /C=IT/O=INFN/OU=Host/L=Padova/CN=cream-44.pd.infn.it
---
Event: CollectionState
- Arrived = Wed Apr 20 14:29:59 2011 CEST
- Child = https://cream-44.pd.infn.it:9000/H3...
- Child event = Done
- Done code = 0
- Histogram = Submitted=0, Waiting=0, Ready=0, Scheduled=0, Running=0, Done=82, Cleared=0, Aborted
- Host = cream-44.pd.infn.it
- Source = LBServer
- State = Waiting
- Timestamp = Wed Apr 20 14:29:59 2011 CEST
- User = LBProxy
---
Event: Clear
- Arrived = Thu Apr 21 10:13:20 2011 CEST
- Host = cream-44.pd.infn.it
- Reason = 2
- Source = NetworkServer
- Src instance = 20407
- Timestamp = Thu Apr 21 10:13:20 2011 CEST
- User = /C=IT/O=INFN/OU=Host/L=Padova/CN=cream-44.pd.infn.it/CN=431015228
=====
```

Or you can check the logging-info on a parent node after the output retrieval:

```
[ale@cream-12 UI]$ glite-wms-job-logging-info -v 2 https://cream-44.pd.infn.it:9000/tn...
===== glite-wms-job-logging-info Success =====

LOGGING INFORMATION:

Printing info for the Job : https://cream-44.pd.infn.it:9000/tn...

---
Event: RegJob
- Arrived = Thu Apr 21 10:18:34 2011 CEST
- Host = cream-44.pd.infn.it
- Jobtype = COLLECTION
- Ns = https://cream-44.pd.infn.it:7443/gl...
- Nsubjobs = 3
```

bug #77876: While purging DAGs/Collections the CLEARevent is only logged for the parent node ~~to~~ implement

RegressionTest < WMS < TWiki

```
- Seed = WMPROXY
- Source = NetworkServer
- Src instance = https://cream-44.pd.infn.it:7443/gl...
- Timestamp = Thu Apr 21 10:18:34 2011 CEST
- User = /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle
---
```

Event: Accepted

```
- Arrived = Thu Apr 21 10:18:34 2011 CEST
- From = NetworkServer
- From host = cream-12.pd.infn.it
- Host = cream-44.pd.infn.it
- Source = NetworkServer
- Src instance = https://cream-44.pd.infn.it:7443/gl...
- Timestamp = Thu Apr 21 10:18:34 2011 CEST
- User = /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle
---
```

Event: EnQueued

```
- Arrived = Thu Apr 21 10:18:34 2011 CEST
- Host = cream-44.pd.infn.it
- Queue = /var/workload_manager/jobdir
- Result = START
- Source = NetworkServer
- Src instance = https://cream-44.pd.infn.it:7443/gl...
- Timestamp = Thu Apr 21 10:18:34 2011 CEST
- User = /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle
---
```

Event: EnQueued

```
- Arrived = Thu Apr 21 10:18:35 2011 CEST
- Host = cream-44.pd.infn.it
- Queue = /var/workload_manager/jobdir
- Result = OK
- Source = NetworkServer
- Src instance = https://cream-44.pd.infn.it:7443/gl...
- Timestamp = Thu Apr 21 10:18:35 2011 CEST
- User = /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle
---
```

Event: DeQueued

```
- Arrived = Thu Apr 21 10:18:36 2011 CEST
- Host = cream-44.pd.infn.it
- Queue = /var/workload_manager/jobdir
- Source = WorkloadManager
- Src instance = 15496
- Timestamp = Thu Apr 21 10:18:36 2011 CEST
- User = /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy/CN=proxy
---
```

Event: CollectionState

```
- Arrived = Thu Apr 21 10:18:42 2011 CEST
- Child = https://cream-44.pd.infn.it:9000/d...
- Child event = Running
- Done code = 0
- Histogram = Submitted=0, Waiting=0, Ready=0, Scheduled=0, Running=1, Done=0, Cleared=0, Aborted=0
- Host = cream-44.pd.infn.it
- Source = LBServer
- State = Running
- Timestamp = Thu Apr 21 10:18:42 2011 CEST
- User = /C=IT/O=INFN/OU=Host/L=Padova/CN=cream-44.pd.infn.it
---
```

Event: CollectionState

```
- Arrived = Thu Apr 21 10:19:50 2011 CEST
- Child = https://cream-44.pd.infn.it:9000/zo...
- Child event = Done
- Done code = 0
- Histogram = Submitted=0, Waiting=0, Ready=0, Scheduled=0, Running=0, Done=2, Cleared=0, Aborted=0
- Host = cream-44.pd.infn.it
- Source = LBServer
- State = Waiting
- Timestamp = Thu Apr 21 10:19:50 2011 CEST
```

bug #77876: While purging DAGs/Collections the CLEARevent is only logged for the parent node ~~80~~plemen

RegressionTest < WMS < TWiki

```
- User = LBProxy
---
Event: CollectionState
- Arrived = Thu Apr 21 10:24:12 2011 CEST
- Child = https://cream-44.pd.infn.it:9000/as...
- Child event = Running
- Done code = 0
- Histogram = Submitted=0, Waiting=0, Ready=0, Scheduled=0, Running=1, Done=2, Cleared=0, Aborted=0
- Host = cream-44.pd.infn.it
- Source = LBServer
- State = Running
- Timestamp = Thu Apr 21 10:24:12 2011 CEST
- User = /C=IT/O=INFN/OU=Host/L=Padova/CN=cream-44.pd.infn.it
---
Event: CollectionState
- Arrived = Thu Apr 21 10:28:04 2011 CEST
- Child = https://cream-44.pd.infn.it:9000/as...
- Child event = Done
- Done code = 0
- Histogram = Submitted=0, Waiting=0, Ready=0, Scheduled=0, Running=0, Done=3, Cleared=0, Aborted=0
- Host = cream-44.pd.infn.it
- Source = LBServer
- State = Done
- Timestamp = Thu Apr 21 10:28:04 2011 CEST
- User = LBProxy
---
Event: CollectionState
- Arrived = Thu Apr 21 10:33:00 2011 CEST
- Child = https://cream-44.pd.infn.it:9000/zo...
- Child event = Clear
- Done code = 0
- Histogram = Submitted=0, Waiting=0, Ready=0, Scheduled=0, Running=0, Done=0, Cleared=3, Aborted=0
- Host = cream-44.pd.infn.it
- Source = LBServer
- State = Cleared
- Timestamp = Thu Apr 21 10:33:00 2011 CEST
- User = LBProxy
---
Event: Clear
- Arrived = Thu Apr 21 10:33:00 2011 CEST
- Host = cream-44.pd.infn.it
- Reason = 1
- Source = NetworkServer
- Src instance = 21720
- Timestamp = Thu Apr 21 10:33:00 2011 CEST
- User = /C=IT/O=INFN/OU=Host/L=Padova/CN=cream-44.pd.infn.it/CN=431015228
```

bug #78030 : Alternative GLITE_WMS_LOG_DESTINATION in the jobwrapper Not implemented

Test description.

Stop the gatekeeper on the CE and check if the JW is able to log (looking for LRMS events into the logging-info).

bug #78047 : LB Query timeout Not implemented

Test description.

Submit a lot of jobs setting EnableWmsFeedback = true; in the jdl to trigger a replanning and then looking into the wm log file:

RegressionTest < WMS < TWiki

20 Apr, 14:17:10 -I: [Info] operator() (/home/condor/execute/dir_24787/userdir/emi.wms.wms-manager

you should see that replanning works as expected.

```
[ale@cream-12 UI]$ glite-wms-job-status https://cream-44.pd.infn.it:9000/JE...
```

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

```
Status info for the Job : https://cream-44.pd.infn.it:9000/JE...
```

```
Current Status: Done (Success)
```

```
Logged Reason(s):
```

- Cannot take token
- job completed
- Job Terminated Successfully

```
Exit code: 0
```

```
Status Reason: Job Terminated Successfully
```

```
Destination: ce202.cern.ch:8443/cream-lsf-grid_2nh_dteam
```

```
Submitted: Wed Apr 20 14:01:25 2011 CEST
```

```
Parent Job: https://cream-44.pd.infn.it:9000/vR...
```

bug #78406 : [yaim-wms] yaim should set IsmIiLDAPCEFilterExt according to the supported VO(s) Implemented

Test description.

```
[root@devel11 libexec]# grep IsmIiLDAPCEFilterExt /etc/glite-wms/glite_wms.conf  
IsmIiLDAPCEFilterExt = "(|(GlueCEAccessControlBaseRule=VO:atlas)(GlueCEAccessControlBaseRule=VOMS
```

bug #78484 : [YAIM_WMS] Multiple parameter configuration added in condor_config.local Implemented

Test description.

```
[root@cream-44 ~]# cat /opt/condor-c/local.cream-44/condor_config.local | grep GRID_MONITOR  
GRID_MONITOR_HEARTBEAT_TIMEOUT = 300  
GRID_MONITOR_RETRY_DURATION = 31536000  
GRID_MONITOR = $(RELEASE_DIR)/libexec/glite/grid_monitor.sh  
ENABLE_GRID_MONITOR = TRUE
```

```
[root@cream-44 ~]# /opt/glite/yaim/bin/yaim -c -s /usr/local/nfs/jral_test/cream-44/site-info_wms  
WARNING:
```

```
WARNING: *****
```

```
WARNING: Your siteinfo directory is world readable. This is generally a bad idea
```

```
WARNING: as configuration files may contain passwords and other sensitive information.
```

```
WARNING: *****
```

```
WARNING:
```

```
[ ... ]
```

```
DEBUG: Skipping function: config_glite_initd_setenv because it is not defined
```

```
INFO: Executing function: config_glite_initd
```

```
INFO: Configuration Complete. [ OK ]
```

```
INFO: YAIM terminated successfully.
```

```
[root@cream-44 ~]# cat /opt/condor-c/local.cream-44/condor_config.local | grep GRID_MONITOR  
GRID_MONITOR_HEARTBEAT_TIMEOUT = 300  
GRID_MONITOR_RETRY_DURATION = 31536000  
GRID_MONITOR = $(RELEASE_DIR)/libexec/glite/grid_monitor.sh  
ENABLE_GRID_MONITOR = TRUE
```

bug #78047: LB Query timeout Not implementedspan style="color: #ff0000"

Considered successful if the line GRID_MONITOR is not added after configuring.

bug #79141 : various bugs about parametric jobs Implemented

Test description.

```
[ale@cream-12 UI]$ cat 79141.jdl
[
JobType = "Parametric";
Parameters = 1;
ParameterStart = 0;
ParameterStep = 1;
Executable = "/bin/ls";
requirements = other.GlueCEStateStatus == "Production";
Arguments = "-la";
Stdoutput = "output.txt";
InputSandbox = {"Src_PARAM_/Makefile", "Test_PARAM_"};
OutputSandbox = {"output.txt"};
]
[ale@cream-12 UI]$ glite-wms-job-submit -a -c etc/wmp_devel11.conf 79141.jdl

Connecting to the service https://devel11.cnaf.infn.it:7443/g...

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

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

https://devel11.cnaf.infn.it:9000/5...

=====

[ale@cream-12 UI]$ glite-wms-job-status https://devel11.cnaf.infn.it:9000/5...

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

Status info for the Job : https://devel11.cnaf.infn.it:9000/5...
Current Status: Waiting
Submitted: Wed Apr 20 09:37:09 2011 CEST
=====

- Nodes information for:
Status info for the Job : https://devel11.cnaf.infn.it:9000/S...
Current Status: Ready
Status Reason: unavailable
Destination: ce-enmr.chemie.uni-frankfurt.de:2119/jobmanager-lcgpbs-cert
Submitted: Wed Apr 20 09:37:09 2011 CEST
=====

[ale@cream-12 UI]$ glite-wms-job-status https://devel11.cnaf.infn.it:9000/5...

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

Status info for the Job : https://devel11.cnaf.infn.it:9000/5...
Current Status: Done (Success)
Exit code: 0
Submitted: Wed Apr 20 09:37:09 2011 CEST
=====

- Nodes information for:
Status info for the Job : https://devel11.cnaf.infn.it:9000/S...
```

RegressionTest < WMS < TWiki

Current Status: Done (Success)

Logged Reason(s):

-

- Job terminated successfully

Exit code: 0

Status Reason: Job terminated successfully

Destination: ce-enmr.chemie.uni-frankfurt.de:2119/jobmanager-lcgpbs-cert

Submitted: Wed Apr 20 09:37:09 2011 CEST

```
=====
[ale@cream-12 UI]$ glite-wms-job-output https://devel11.cnaf.infn.it:9000/5...
```

```
Connecting to the service https://devel11.cnaf.infn.it:7443/g...
```

```
=====
JOB GET OUTPUT OUTCOME
```

Output sandbox files for the DAG/Collection :

https://devel11.cnaf.infn.it:9000/5...

have been successfully retrieved and stored in the directory:

/tmp/jobOutput/ale_5x11U1aJFoKSDbpwu4-apw

```
=====
[ale@cream-12 UI]$ cat /tmp/jobOutput/ale_5x11U1aJFoKSDbpwu4-apw/Node_0/output.txt
total 32
```

```
drwxr-xr-x 2 dteam035 dteam 4096 Apr 20 09:38 .
```

```
drwx----- 5 dteam035 dteam 4096 Apr 20 09:37 ..
```

```
-rw-r--r-- 1 dteam035 dteam 2150 Apr 20 09:37 .BrokerInfo
```

```
-rw-r--r-- 1 dteam035 dteam 118 Apr 20 09:38 https_3a_2f_2fdevel11.cnaf.infn.it_3a9000_2fShaETXWY
```

```
-rw-r--r-- 1 dteam035 dteam 0 Apr 20 09:37 Makefile
```

```
-rw-r--r-- 1 dteam035 dteam 0 Apr 20 09:38 output.txt
```

```
-rw-r--r-- 1 dteam035 dteam 0 Apr 20 09:37 Test0
```

```
-rw----- 1 dteam035 dteam 103 Apr 20 09:38 tmp.fzuG119574
```

```
-rw----- 1 dteam035 dteam 2 Apr 20 09:38 tmp.Gx1Yw19573
```

```
-rw----- 1 dteam035 dteam 103 Apr 20 09:38 tmp.mwAGt19459
```

```
-rw----- 1 dteam035 dteam 0 Apr 20 09:38 tmp.OfMof19572
```

```
-rw----- 1 dteam035 dteam 2 Apr 20 09:38 tmp.oizWr19458
```

Considered successful if the parametric job is successfully executed and the output correctly retrieved.

bug #81376 : glite-wms-wmproxy.restart.cron MUST support graceful wmp restart Implemented

Simply verify the cron job glite-wms-wmproxy.restart.cron in the WMS: the command must use the **graceful** option:

```
0 0 * * * root . /usr/libexec/grid-env.sh ; HOSTNAME=cream-44.pd.infn.it ; /etc/init.d/glite-wms
```

bug #81568 : some inconsistencies in locations for logs and configuration Implemented

There are two things to check:

- The environment variable **WMS_LOCATION_LOG** should be **/var/log/glite**

All the log file of the WMS should be written in that directory

- File **/etc/wmproxy_logrotate.conf** should not exist

bug #79141: various bugs about parametric jobs Implemented span style="color: #008000"

The file should be put in \$GLITE_WMS_CONFIG_DIR

bug #82687 : emi WMS problems with ISB tar file handling Implemented

Submit a jdl like this one:

```
[ale@cream-12 UI]$ cat 82687.jdl
[
Executable = "/bin/ls" ;
Arguments = "-lha " ;
Stdoutput = "ls.out" ;
InputSandbox = { "supercalifragilistichepspiralidose.txt", "82687.jdl" } ;
OutputSandbox = { ".BrokerInfo", "ls.out" } ;
Retrycount = 2;
ShallowRetryCount = -1;
usertags = [ bug = "#82687" ];
VirtualOrganisation="dteam";
]
```

With a long file name as input file (and at least two files as input):

```
[ale@cream-12 UI]$ glite-wms-job-submit -a -c etc/wmp_cream-45.conf 82687.jdl
```

Connecting to the service https://cream-45.pd.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://cream-45.pd.infn.it:9000/ehWYewLsPxn9Q3RYQz64gw
```

```
=====
```

When the job arrives to Done (Success):

```
[ale@cream-12 UI]$ glite-wms-job-status https://cream-45.pd.infn.it:9000/ehWYewLsPxn9Q3RYQz64gw
```

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

BOOKKEEPING INFORMATION:

Status info for the Job : https://cream-45.pd.infn.it:9000/ehWYewLsPxn9Q3RYQz64gw

Current Status: Done (Success)

Logged Reason(s):

-
-
- Job terminated successfully

Exit code: 0

Status Reason: Job terminated successfully

Destination: unime-ce-01.me.pi2s2.it:2119/jobmanager-lcglsf-cert

Submitted: Mon Jul 18 16:47:53 2011 CEST

```
=====
```

Check in the output file of the job if all the input files are listed:

```
[ale@cream-12 UI]$ glite-wms-job-output https://cream-45.pd.infn.it:9000/ehWYewLsPxn9Q3RYQz64gw
```

Connecting to the service https://cream-45.pd.infn.it:7443/glite_wms_wmproxy_server

```
=====
JOB GET OUTPUT OUTCOME
```

```
Output sandbox files for the job:
https://cream-45.pd.infn.it:9000/ehWYewLsPxn9Q3RYQz64gw
have been successfully retrieved and stored in the directory:
/tmp/jobOutput/ale_ehWYewLsPxn9Q3RYQz64gw
=====
```

```
[ale@cream-12 UI]$ cat /tmp/jobOutput/ale_ehWYewLsPxn9Q3RYQz64gw/ls.out
total 32K
drwxr-xr-x 2 dteam033 dteam 4.0K Jul 18 16:53 .
drwx----- 5 dteam033 dteam 4.0K Jul 18 16:50 ..
-rw-r--r-- 1 dteam033 dteam 293 Jul 18 16:52 82687.jdl
-rw-r--r-- 1 dteam033 dteam 3.6K Jul 18 16:52 .BrokerInfo
-rw-r--r-- 1 dteam033 dteam 153 Jul 18 16:53 https_3a_2f_2fcream-45.pd.infn.it_3a9000_2fehWYewLs
-rw-r--r-- 1 dteam033 dteam 0 Jul 18 16:53 ls.out
-rw-r--r-- 1 dteam033 dteam 17 Jul 18 16:51 supercalifragilistichespiralidose.txt
-rw----- 1 dteam033 dteam 2 Jul 18 16:53 tmp.cgesDD8989
-rw----- 1 dteam033 dteam 103 Jul 18 16:53 tmp.ODAMIs8990
-rw----- 1 dteam033 dteam 0 Jul 18 16:53 tmp.taaebr8988
```

bug #82776 : typo in WMS jobwrapper Implemented

Simply check the JobWrapper template on the WMS:

```
[root@cream-45 ~]# cat /usr/share/glite-wms/jobwrapper.template.sh | grep "Taken token ${__shal
push_in_LM_done_reason "Taken token ${__shallow_resubmission_token}"
```

Check if a space is inserted between `push_in_LM_done_reason` and the following word `"Taken`

bug #82983 : [yaim-wms] authorization problem in WMS EMI-1 Implemented

Simply check that in the file `glite_wms_wmproxy.gacl` file there are not entry with the word `ROLE` in upper case:

```
[root@devel09 ~]# grep ROLE /etc/glite-wms/glite_wms_wmproxy.gacl
[root@devel09 ~]#
```

bug #83062 : [yaim-wms] A different template should be used for glue2 publication Implemented

Query the resource `BDII` running on the `CREAM-CE` for `Glue2`:

```
ldapsearch -h -x -p 2170 -b "o=glue"
```

Check if a `GLUE2Service` objectclass with `GLUE2ServiceType: org.glite.wms.WMProxy` is published. Check if a `GLUE2Endpoint` objectclass with `GLUE2EndpointInterfaceName: org.glite.wms.WMProxy` is published.

Run `GlueValidator` and check that no errors are reported

bug #82687: emi WMS problems with ISB tar file handling Implemented 36

bug #84155 : Internal proxy structure conversion error in ICE Not implemented

Test description.

Take a long jdl where MyProxyServer attribute is set and that require a cream CE as destination; like this one:

```
[ale@cream-12 UI]$ cat 84155.jdl
[
Executable = "/bin/sleep" ;
InputSandbox = { "/home/ale/UI/data/pippo" };
Arguments="900";
Environment={"VARIABLE=test"};
Myproxyserver="myproxy.cnaf.infn.it";
requirements = RegExp("/cream-",other.GlueCEUniqueID);
]
```

Submit it with a shorter proxy:

```
[ale@cream-12 UI]$ voms-proxy-init -voms dteam --valid 00:15
Your identity: /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle
Creating temporary proxy ..... Done
Contacting voms.hellasgrid.gr:15004 [/C=GR/O=HellasGrid/OU=hellasgrid.gr/CN=voms.hellasgrid.gr]
Creating proxy .....
```

Your proxy is valid until Tue Jul 19 13:34:37 2011

```
[ale@cream-12 UI]$ glite-wms-job-submit -a -c etc/wmp_devel11.conf 84155.jdl
```

Connecting to the service https://devel11.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://devel11.cnaf.infn.it:9000/AszPQkHVQRVNgOE9g25NpA
```

Check that its proxy is valid for no more that 15 minutes:

```
[ale@cream-12 UI]$ glite-wms-job-info -p https://devel11.cnaf.infn.it:9000/AszPQkHVQRVNgOE9g25NpA
```

Connecting to the service https://devel11.cnaf.infn.it:7443/glite_wms_wmproxy_server

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

Your proxy delegated to the endpoint https://devel11.cnaf.infn.it:7443/glite_wms_wmproxy_server
for the job https://devel11.cnaf.infn.it:9000/AszPQkHVQRVNgOE9g25NpA :

```
Subject      : /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy/CN=proxy
Issuer       : /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy
Identity     : /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy
Type         : proxy
Strength     : 512
```

```
StartDate    : 19 July 2011 - 13:14:41
Expiration   : 19 July 2011 - 13:33:41
Timeleft     : 13 min 51 sec
=== VO dteam extension information ===
```

```
VO           : dteam
Subject      : /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle
Issuer       : /C=GR/O=HellasGrid/OU=hellasgrid.gr/CN=voms.hellasgrid.gr
```

bug #84155: Internal proxy structure conversion error in ICE Not implementedspan style="color: #ff0000"

RegressionTest < WMS < TWiki

```
URI           : voms.hellasgrid.gr:15004
Attribute    : /dteam/Role=NULL/Capability=NULL
Attribute    : /dteam/NGI_IT/Role=NULL/Capability=NULL
StartTime    : 19 July 2011 - 13:19:37
Expiration   : 19 July 2011 - 13:34:37
Timeleft     : 14 min 47 sec
```

=====
Wait until it finishes successfully:

```
[ale@cream-12 ~]$ glite-wms-job-status https://devel11.cnaf.infn.it:9000/AszPQkHVQRVNgOE9g25NpA
```

```
=====  
glite-wms-job-status Success  
BOOKKEEPING INFORMATION:  
  
Status info for the Job : https://devel11.cnaf.infn.it:9000/AszPQkHVQRVNgOE9g25NpA  
Current Status:      Done (Success)  
Logged Reason(s):  
  - job completed  
  - Job Terminated Successfully  
Exit code:           0  
Status Reason:      Job Terminated Successfully  
Destination:        grid-cr4.desy.de:8443/cream-pbs-operations  
Submitted:          Tue Jul 19 13:19:42 2011 CEST  
=====
```

We can also check directly the command on the WMS. First of all find the proxy associated with the job in the persist directory of ice:

```
[root@devel11 ~]# openssl x509 -noout -text -in /var/ice/persist_dir/2A9DAF04C398C21D6ADF7E884BC1
Certificate:
  Data:
    Version: 3 (0x2)
    Serial Number: 1311074381 (0x4e25684d)
    Signature Algorithm: md5WithRSAEncryption
    Issuer: C=IT, O=INFN, OU=Personal Certificate, L=Padova, CN=Alessio Gianelle, CN=proxy
    Validity
      Not Before: Jul 19 11:14:41 2011 GMT
      Not After : Jul 19 11:33:41 2011 GMT
    Subject: C=IT, O=INFN, OU=Personal Certificate, L=Padova, CN=Alessio Gianelle, CN=proxy,
    Subject Public Key Info:
      Public Key Algorithm: rsaEncryption
      RSA Public Key: (512 bit)
        Modulus (512 bit):
          00:e3:ac:3f:29:d6:b2:51:8d:28:16:77:83:5a:c7:
          6e:d8:fd:83:e2:23:8a:cd:be:c4:99:a1:84:8f:4f:
          35:60:8b:3a:a7:30:e4:fd:ea:6a:cd:1a:c2:ea:ca:
          30:94:73:c8:de:15:64:1f:7b:ca:94:40:20:cb:ee:
          18:de:c7:3f:4d
        Exponent: 65537 (0x10001)
      Signature Algorithm: md5WithRSAEncryption
        69:dc:99:25:73:f5:c8:74:f8:5e:2f:8a:80:23:b0:d4:f5:1f:
        d8:44:a3:2b:e3:99:47:9c:88:17:d1:ba:8f:27:eb:d3:6e:79:
        e5:9f:11:46:59:5c:b2:ad:2d:c8:65:b3:dc:1f:f9:3f:6b:88:
        40:d1:6e:6b:5e:d0:15:1e:52:7a:7e:47:dd:81:51:47:09:0b:
        68:b2:81:d6:d7:41:43:55:b4:36:0f:9c:69:9d:f7:ec:63:8e:
        2f:8d:4b:db:2e:16:58:7a:25:47:2d:e6:c7:16:97:27:04:16:
        de:93:f8:3e:38:46:57:7d:96:b9:cd:b5:91:25:d0:4f:38:cb:
        ce:91
```

Then logged as user glite and execute this command: `export X509_USER_CERT=/var/wms.proxy;`
`export X509_USER_KEY=/var/wms.proxy; /usr/bin/glite-wms-ice-proxy-renew`

bug #84155: Internal proxy structure conversion error in ICE Not implemented
span style="color: #f00000"

RegressionTest < WMS < TWiki

-s myproxy.cnaf.infn.it -p /var/ice/persist_dir/<user proxy>.betterproxy
-o <output file> where /var/ice/persist_dir/<user proxy>.betterproxy is the proxy associate to the job
and in <output file> you should find the renewed proxy:

```
[root@devel11 ~]# su - glite
[glite@devel11 ~]$ export X509_USER_CERT=/var/wms.proxy; export X509_USER_KEY=/var/wms.proxy; /usr/bin/x509cert
/var/ice/persist_dir/2A9DAF04C398C21D6ADF7E884BC192ED95AF554C.betterproxy.voms.6EPXDC
```

Check the validity of the new proxy:

```
[glite@devel11 ~]$ openssl x509 -noout -dates -in /tmp/test.proxy
notBefore=Jul 19 11:18:12 2011 GMT
notAfter=Jul 19 21:23:18 2011 GMT
```

bug #85071 : wmpoxy authorization breaks with longer proxy chain Not implemented

Create a delega on a myproxy server:

```
[ale@cream-12 proxy]$ myproxy-init -d -s myproxy.cnaf.infn.it
Your identity: /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle
Creating proxy ..... Done
Proxy Verify OK
Your proxy is valid until: Tue Sep 6 10:53:54 2011
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=Padova/CN=
```

Then retrieve a new proxy from the same myproxy server:

```
[ale@cream-12 proxy]$ myproxy-logon -d -s myproxy.cnaf.infn.it --voms dteam
Enter MyProxy pass phrase:
Your identity: /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy/CN=proxy
Contacting voms.hellasgrid.gr:15004 [/C=GR/O=HellasGrid/OU=hellasgrid.gr/CN=voms.hellasgrid.gr]
Creating proxy .....

Your proxy is valid until Tue Aug 30 21:54:17 2011
A credential has been received for user /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio
```

Now you should have a proxy with a longer chain (see the number of "CN=proxy" token):

```
[ale@cream-12 proxy]$ voms-proxy-info -all
subject   : /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy/CN=proxy/C
issuer    : /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy/CN=proxy/C
identity  : /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy/CN=proxy/C
type      : proxy
strength  : 2048 bits
path      : /tmp/x509up_u500
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=Padova/CN=Alessio Gianelle
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  : 11:58:48
uri       : voms.hellasgrid.gr:15004
```

Then the submission to WMS using this proxy should not failed.

bug #85071: wmpoxy authorization breaks with longer proxy chain Not implementedspan style="color: #ff0000;">or: #ff0000

RegressionTest < WMS < TWiki

```
[ale@cream-12 proxy]$ glite-wms-job-submit -a -c ~/UI/etc/wmp_devel11.conf ~/UI/test.jdl
Connecting to the service https://devel11.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://devel11.cnaf.infn.it:9000/aog8s2q5Lnh0-pAjyaAGAg

=====
```

bug #85327 : [yaim-wms] glite-wms-wmproxy.restart.cron missing HOSTNAME environment variable Implemented

Check two things:

- The cron job **glite-wms-wmproxy.restart.cron** should contains the setting of **HOSTNAME** before the graceful restarting of wmproxy service
- If you issue a **service gLite restart** you should not see, after wmproxy starting, this warning:

```
[warn] PassEnv variable HOSTNAME was undefined
```

bug #86485 : ICE doesn't send the iceld to CREAM Not implemented

To see if the **iceld** arrives to CREAM, you have to set CREAM in debug mode: set *log4j.rootLogger=debug* in */etc/glite-ce-cream/log4j.properties*, then submit a job to this CREAM through the WMS, in the log file of CREAM you should find an entry like this one (grep string "selectToRetrieveJobStatusQuery"):

```
05 Oct 2011 13:35:46,963 DEBUG org.glite.ce.cream.jobmanagement.db.table.JobStatusTable (JobStatu
```

Where the attribute **job.iceId** is set typically with the WMS DN. You can also check the *creamdb* on CREAM using this query: **select iceId from job where id="<CREAMID>"**;

```
mysql> select iceId from job where id="CREAM089157286";
+-----+
| iceId                                     |
+-----+
| C_IT_O_INFN_OU_Host_L_Padova_CN_cream-44.pd.infn.it |
+-----+
1 row in set (0.00 sec)
```

On the WMS you can also check in the ice log file the number of the REGISTERED using this query: **grep -c "CREAM Returned CREAM-JOBID" \$WMS_LOCATION_LOG/ice.log**; take in mind that you have to compare the same time interval (i.e. check the range of time covered by the ice.log file and then use option *-f* and *-t* of queryStats)

bug #86490 : EMI WMS stops accepting jobs after 31999th submission for the same DN (on ext3) Implemented

bug #85327: [yaim-wms] glite-wms-wmproxy.restart.cron missing HOSTNAME environment variable Implemented

There is a cron job **glite-wms-wmproxy-purge-proxycache.cron** which usually run every 6 hours to cleaning the **\$WMS_LOCATION_VAR/proxycache**. Inside this directory there should not empty subdirectories older than 6 hours, or expired proxies from more than 6 hours.

bug #86682 : [yaim-wms] yaim changes ownership of /var Implemented

Simply check the ownership of the system directories: **/var** and **/var/log**, they should be *root.root*

bug #86769 : EMI WMS Update 6: WMS 'hangs' after several hours of operation Not implemented

This bug is not reproducible. You can try to stress the WMS submitting for several hours jobs which require Data management. This could be an example of jdl:

```
#####
#           JDL with Data Requirements           #
#####

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

Environment={ "LFC_HOST=lfcr.gridpp.rl.ac.uk", "LFC_HOME=lfcr.gridpp.rl.ac.uk:/grid/t2k.org" };
InputSandbox = {"prologue.sh"};
OutputSandbox = {"std.out", "std.err", "prologue.out"};

requirements = true;

DataRequirements = {
[
DataCatalogType = "DLI";
DataCatalog = "http://lfcr.gridpp.rl.ac.uk:8085/";
InputData = { "lfn:/grid/t2k.org/nd280/raw/ND280/ND280/00005000_00005999/nd280_00005000_0002.daq."
]
};

DataAccessProtocol = "gsiftp";
```

bug #86956 : Match-matching of requests with access to catalogues can cause the WM to crash Not implemented

Like the previous one: BUG #86769, it is not easy to reproduce. You can be comfortable if the stress test describe in the previous bug does not cause a WM crash.

bug #87259 : WMS purger errors in jobcontroller/logmonitor Not implemented

This bug reports two problems.

- Purging of the JC local directories

bug #86490: EMI WMS stops accepting jobs after 31999th submission for the same DN (on ext3) **Not implemented**

RegressionTest < WMS < TWiki

Submit a normal job (NOT a collection), when it finishes check the log file of the LogMonitor: `{WMS_LOCATION_LOG}/logmonitor_events.log`; it should reports the successfully remove of 3 files under directory **SubmitFileDir**/`<two_digit_prefix>` (*Condor.<JOBID>.submit*, *ClassAd.<JOBID>* and *JobWrapper.<JOBID>.sh*) and the directory **OutputFileDir**/`<two_digit_prefix>/<JOBID>` :

```
07 Oct, 16:01:04 -I- JobFilePurger::do_purge(...): Removing job directory: /var/jobcontrol/condor
07 Oct, 16:01:04 -U- JobFilePurger::do_purge(...): Removed 1 files.
07 Oct, 16:01:04 -I- JobFilePurger::do_purge(...): Removing submit file: /var/jobcontrol/submit/b
07 Oct, 16:01:04 -U- JobFilePurger::do_purge(...): Removed...
07 Oct, 16:01:04 -I- JobFilePurger::do_purge(...): Removing classad file: /var/jobcontrol/submit/
07 Oct, 16:01:04 -U- JobFilePurger::do_purge(...): Removed...
07 Oct, 16:01:04 -I- JobFilePurger::do_purge(...): Removing wrapper file: /var/jobcontrol/submit/
07 Oct, 16:01:04 -U- JobFilePurger::do_purge(...): Removed...
```

You have also to check that these files have been correctly removed.

- The SBD purger fails in trapping EIDRM. To reproduce this bug you have to follow these steps:
 - ◆ Submit a job to the WMS
 - ◆ On the WMS create a copy of its SBD (pay attention to preserve files ownership)

```
[root@cream-44 ~]# cd /var/SandboxDir/lu/
[root@cream-44 lu]# ls
https_3a_2f_2fcream-44.pd.infn.it_3a9000_2f1un8CjRsC1c-P0R4H-KYjQ
[root@cream-44 lu]# cp -r -p https_3a_2f_2fcream-44.pd.infn.it_3a9000_2f1un8CjRsC1c-
```

- ◆ Cancel the job or when it finishes retrieve output files.
- ◆ On the WMS restore its SBD

```
[root@cream-44 ~]# cd /var/SandboxDir/lu/
[root@cream-44 lu]# ls
https_3a_2f_2fcream-44.pd.infn.it_3a9000_2f1un8CjRsC1c-P0R4H-KYjQ.old
[root@cream-44 lu]# mv https_3a_2f_2fcream-44.pd.infn.it_3a9000_2f1un8CjRsC1c-P0R4H-
[root@cream-44 lu]# ls
https_3a_2f_2fcream-44.pd.infn.it_3a9000_2f1un8CjRsC1c-P0R4H-KYjQ
```

- ◆ On the WMS create a file with the jobid

```
[root@cream-44 ~]# echo "https://cream-44.pd.infn.it:9000/1un8CjRsC1c-P0R4H-KYjQ" >
```

- ◆ On the WMS use LB command to purge job (first from LBProxy then from LBServer)

```
[root@cream-44 ~]# /usr/bin/glite-lb-purge -m cream-44.pd.infn.it -x -j jobid.txt
The jobs were not dumped.
[root@cream-44 ~]# /usr/bin/glite-lb-purge -m cream-44.pd.infn.it -j jobid.txt
The jobs were not dumped.
```

- ◆ Now if you try a status you should find this error message: **Identifier removed** (i.e. error EIDRM):

```
[ale@cream-12 UI]$ glite-wms-job-status https://cream-44.pd.infn.it:9000/1un8CjRsC1c-
**** Error: API_NATIVE_ERROR ****
Error while calling the "Job:getStatus" native api
Unable to retrieve the status for: https://cream-44.pd.infn.it:9000/1un8CjRsC1c-P0R4
glite.lb.Exception: edg_wll_JobStatus: Identifier removed: matching job already purg
    at glite::lb::Job::status[./src/Job.cpp:87]
```

- ◆ On the WMS we can now try to purge the SBD, as user *glite* invoke the command `glite-wms-purgeStorage.sh`

```
[glite@cream-44 ~]$ /usr/sbin/glite-wms-purgeStorage.sh -p /var/SandboxDir/lu
07 Oct, 17:44:46 -E: [Error] query_job_status(/home/condor/execute/dir_2715/userdir/
07 Oct, 17:44:46 -I: [Info] operator() (/home/condor/execute/dir_2715/userdir/emi.wms
```

As you can see the same error message is reported by the purger: **Identifier removed** (i.e. error 43) but then the SBD is forced removed.

bug #87259: WMS purger errors injobcontroller/logmonitor Not implemented00

```
[root@cream-44 ~]# ls /var/SandboxDir/lu/
[root@cream-44 ~]#
```

Bug #87994 yaim-wms doesn't fill the attributes get_acbr and get_owner in the conf file for Glue2 Not implemented

Check that the attributes `get_acbr` and `get_owner` in `/etc/glite/info/service/glite-info-glue2-wmproxy.conf` are define with all the supported VOs

```
[root@cream-44 ~]# grep get_acbr /etc/glite/info/service/glite-info-glue2-wmproxy.conf
get_acbr = echo -e "VO:alice\nVO:atlas\nVO:cms\nVO:lhcb\nVO:dteam\nVO:testers.eu-emi.eu"
[root@cream-44 ~]# grep get_owner /etc/glite/info/service/glite-info-glue2-wmproxy.conf
get_owner = echo -e "alice\natlas\ncms\nlhcb\ndteam\ntesters.eu-emi.eu"
```

bug #88072 : EMI-1 WMS cannot submit to ARC CEs Not implemented

Submit to an "arc" ce and check the submission cycle (submit->get-output)

bug #88450 : Ice configuration section doesn't use environment variable Implemented

Check in the `glite_wmc.conf` file if all the paths of the log files are defined using environment variables:

```
[root@wms ~]# cat /etc/glite-wms/glite_wms.conf | grep -i " logfile"
logfile = "${WMS_LOCATION_LOG}/ice.log";
LogFile = "${WMS_LOCATION_LOG}/wmproxy.log";
LogFile = "${WMS_LOCATION_LOG}/networkserver_events.log";
LogFile = "${WMS_LOCATION_LOG}/workload_manager_events.log";
LogFile = "${WMS_LOCATION_LOG}/logmonitor_events.log";
LogFile = "${WMS_LOCATION_LOG}/jobcontoller_events.log";
```

bug #88569 : WMS: LCMAPS should log on file only and not on syslog Not implemented

Check that no messages about "lcmaps" is logged by the `wmproxy` on `syslog` during a submission, and that messages are instead saved in a dedicated log file: `/var/log/glite/lcmaps.log`

bug #88558 : WM creates submit requests with old sequence code upon a replan Implemented

Trigger a replan then check the logged events; in the `jdl` logged with the `enqueud` event after the replanning the `LB_sequence_code` should be the same of the one used to logged the event:

```
Event: Resubmission
- Arrived = Wed Nov 23 19:16:16 2011 CET
- Host = devel19.cnaf.infn.it
- Level = SYSTEM
- Priority = synchronous
- Reason = token still exists
- Result = SHALLOW
- Seqcode = UI=000000:NS=0000000004:WM=000007:BH=0000000000:JSS=000002:LM=0
- Source = WorkloadManager
```

Bug #87994 yaim-wms doesn't fill the attributes `get_acbr` and `get_owner` in the conf file for Glue2 Not imple

RegressionTest < WMS < TWiki

```
- Src instance      = 13159
- Tag              = job will be replanned
- Timestamp        = Wed Nov 23 19:16:16 2011 CET
- User             = /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianel
```

[...]

```
Event: EnQueued
- Arrived          = Wed Nov 23 19:16:16 2011 CET
- Host             = devel19.cnaf.infn.it
- Level            = SYSTEM
- Priority          = synchronous
- Queue            = /var/workload_manager/jobdir
- Result           = OK
- Seqcode          = UI=000000:NS=0000000004:WM=000009:BH=0000000000:JSS=000002:LM=00
- Source           = WorkloadManager
- Src instance     = 13159
- Timestamp        = Wed Nov 23 19:16:16 2011 CET
- User             = /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianel
- Job              =
```

```
[
  version = "1.0.0";
  arguments =
  [
    ad =
    [
      NodeName = "Node_jdl_953";
      FuzzyRank = true;
      CEInfoHostName = "cream-31.pd.infn.it";
      OutputSandboxPath = "/var/SandboxDir/ji/https_3a_2f_2fdevel19.cnaf.infn.it_3a9000_2fj
      StdOutput = "out.log";
      GlobusResourceContactString = "cream-31.pd.infn.it:8443/cream-pbs";
      QueueName = "creamtest2";
      ShallowRetryCount = 3;
      RetryCount = 2;
      Executable = "/bin/sleep";
      Type = "job";
      LB_sequence_code = "UI=000000:NS=0000000004:WM=000009:BH=0000000000:JSS=000002:LM=00
```

- [new_tests.odt](#): Current list of regression tests implemented in the wms test suite, with verification comments to be sent back as feedback to Aristotelis

issue #WMS-104 : Directory /var/condor/spool needs to be created when configuring WMS node Not implemented

To see the test method please go to the issue [and](#) look at the comments.

issue #WMS-97 : UMD Verification: EMI-3 WMS 3.5.0 Problem with Argus and WMS integration Not implemented

To see the test method please go to the issue [and](#) look at the comments.

issue #WMS-94 : Three major bugs in EMI2 glite-wms-wmproxy 3.4.1-0.sl6 Not implemented

To see the test method please go to the issue [and](#) look at the comments.

bug #88558: WM creates submit requests with oldsequence code upon a replan Implemented [spa](#) [14](#) style="color: red;">14

issue #WMS-93 : glite-wms-check-daemon wrongly checks ICE status Not implemented

To see the test method please go to the issue and look at the comments.

issue #WMS-92 : check the policies that keep ISBfiles in the WMS after sandbox creation Not implemented

To see the test method please go to the issue and look at the comments.

issue #WMS-87 : glite_wms_wmproxy_load_monitor needlessly installed with setuid privileges Not implemented

To see the test method please go to the issue and look at the comments.

issue #WMS-85 : Use yaim WMS_PEP_RESOURCEID to set the argus resource id Not implemented

To see the test method please go to the issue and look at the comments.

issue #WMS-91 : WMS to limit ISB size as a whole, not only per file Not implemented

To see the test method please go to the issue and look at the comments.

issue #WMS-90 : EMI-2 WMS UI glite-wms-job-output creates files without checking VO membership first, also changing status Not implemented

To see the test method please go to the issue and look at the comments.

This topic: WMS > RegressionTest

Topic revision: r32 - 2013-07-16 - AlviseDorigo



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