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# Certification report patch 3621

Author(s): Elisabetta Molinari & Alessio Gianelle

Outcome: **Certified**

## Clean installation

- copied registered repo for glite-wms\_R\_3\_2\_14\_6 into '/etc/yum.repos.d':

```
wget http://etics-repository.cern.ch/repository/pm/registered/repomd/id/5e0f9d1b-de35-48ec
```

- launched 'yum install glite-WMS', yum install log is here
- copied /opt/glite/yaim/examples/siteinfo/site-info.def into ~/siteinfo/site-info.def and /opt/glite/yaim/examples/siteinfo/services/glite-wms into ~/siteinfo/services/glite-wms
- launched 'yum install lcg-CA'
- copied host certificate and key into '/etc/grid-security'
- launched yaim configuration '/opt/glite/yaim/bin/yaim -c -s site-info.def -n glite-WMS'
- yaim configuration log file is here

## Upgrade from production

- Starting from a Production WMS we update it.

## Test Report

The test report has been produced following the guidelines from here

## List Match

### List match without data

- without data: 
  - ◆ tried with the following

```
cat myjob-toICE.jdl
[
  Type = "Job";
  JobType = "normal";
  InputSandbox = { "file:///home/emolinari/test.sh"};
  VirtualOrganisation = "dteam";
  Executable="test.sh";
  Arguments="Hello ";
  Requirements = ( RegExp("/cream-",other.GlueCEUniqueID));
  Rank = 0;
  fuzzyrank = true;
  StdOutput="message.txt";
  StdError="err.log";
  OutputSandbox={"message.txt","err.log",".BrokerInfo"};
  usertags = [ jdl = "normal job to ICE" ];
  RetryCount = 0;
  ShallowRetryCount = 3;
]
glite-wms-job-list-match --config glite_wms_devel20.conf -a myjob-toICE.jdl
```

```
Connecting to the service https://devel20.cnaf.infn.it:7443/glite_wms_wmproxy_server
```

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---

### COMPUTING ELEMENT IDs LIST

The following CE(s) matching your job requirements have been found:

```
*CEId*
- atlas-creamce-01.roma1.infn.it:8443/cream-lsf-atlasgcert
- boccream.bo.infn.it:8443/cream-pbs-cert
- boccream.bo.infn.it:8443/cream-pbs-certSL5
- cccreamceli01.in2p3.fr:8443/cream-bqs-medium
- cccreamceli01.in2p3.fr:8443/cream-bqs-short
- ce01-lcg.cr.cnaf.infn.it:8443/cream-lsf-dteam
- ce07-lcg.cr.cnaf.infn.it:8443/cream-lsf-dteam
- ce201.cern.ch:8443/cream-lsf-grid_2nh_dteam
- ce201.cern.ch:8443/cream-lsf-grid_dteam
- ce202.cern.ch:8443/cream-lsf-grid_2nh_dteam
- cert-15.pd.infn.it:8443/cream-lsf-cert
- cream-38.pd.infn.it:8443/cream-pbs-creamtest1
- cream-38.pd.infn.it:8443/cream-pbs-creamtest2
- cream-ce.ct.infn.it:8443/cream-lsf-cert
- cream-ce.pr.infn.it:8443/cream-pbs-cert
- cream-ce.research-infrastructures.eu:8443/cream-pbs-cert
- devce.cnaf.infn.it:8443/cream-pbs-cert
- gridce0.pi.infn.it:8443/cream-lsf-cert
- prod-ce-01.pd.infn.it:8443/cream-lsf-cert
- t2-ce-01.to.infn.it:8443/cream-pbs-cert
- t2-ce-01.to.infn.it:8443/cream-pbs-short
- t2-ce-05.lnl.infn.it:8443/cream-lsf-cert1
```

---

### ◆ tried substituting the Requirement with

```
Requirements = ( !RegExp("/cream-",other.GlueCEUniqueID));
glite-wms-job-list-match --config glite_wms_devel20.conf -a myjob-toLcg.jdl
```

Connecting to the service [https://devel20.cnaf.infn.it:7443/glite\\_wms\\_wmproxy\\_server](https://devel20.cnaf.infn.it:7443/glite_wms_wmproxy_server)

---

### COMPUTING ELEMENT IDs LIST

The following CE(s) matching your job requirements have been found:

```
*CEId*
- argoce01.na.infn.it:2119/jobmanager-lcgpbs-cert
- atlas-ce-01.roma1.infn.it:2119/jobmanager-lcglsf-atlasgcert
- atlas-ce-02.roma1.infn.it:2119/jobmanager-lcglsf-atlasgcert
- atlasce01.na.infn.it:2119/jobmanager-lcgpbs-cert
- boalice3.bo.infn.it:2119/jobmanager-lcgpbs-cert
- boalice3.bo.infn.it:2119/jobmanager-lcgpbs-certSL5
- cclcgceli01.in2p3.fr:2119/jobmanager-bqs-long
- cclcgceli01.in2p3.fr:2119/jobmanager-bqs-medium
- cclcgceli01.in2p3.fr:2119/jobmanager-bqs-short
- cclcgceli02.in2p3.fr:2119/jobmanager-bqs-long
- cclcgceli02.in2p3.fr:2119/jobmanager-bqs-medium
- cclcgceli02.in2p3.fr:2119/jobmanager-bqs-short
- cclcgceli03.in2p3.fr:2119/jobmanager-bqs-long
- cclcgceli03.in2p3.fr:2119/jobmanager-bqs-medium
- cclcgceli03.in2p3.fr:2119/jobmanager-bqs-short
- cclcgceli04.in2p3.fr:2119/jobmanager-bqs-long
- cclcgceli04.in2p3.fr:2119/jobmanager-bqs-medium
- cclcgceli04.in2p3.fr:2119/jobmanager-bqs-short
- cclcgceli07.in2p3.fr:2119/jobmanager-bqs-long
- cclcgceli07.in2p3.fr:2119/jobmanager-bqs-medium
- cclcgceli07.in2p3.fr:2119/jobmanager-bqs-short
- cclcgceli08.in2p3.fr:2119/jobmanager-bqs-long
```

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- cclcgceli08.in2p3.fr:2119/jobmanager-bqs-medium
- cclcgceli08.in2p3.fr:2119/jobmanager-bqs-short
- ce-01.grid.sissa.it:2119/jobmanager-lcgpbs-cert
- ce-01.roma3.infn.it:2119/jobmanager-lcgpbs-cert
- ce01-lhcb-t2.cr.cnaf.infn.it:2119/jobmanager-lcglsf-cert\_t2
- ce02-lhcb-t2.cr.cnaf.infn.it:2119/jobmanager-lcglsf-cert\_t2
- ce04-lcg.cr.cnaf.infn.it:2119/jobmanager-lcglsf-dteam
- ce05-lcg.cr.cnaf.infn.it:2119/jobmanager-lcglsf-dteam
- ce06-lcg.cr.cnaf.infn.it:2119/jobmanager-lcglsf-dteam
- ce103.cern.ch:2119/jobmanager-lcglsf-grid\_2nh\_dteam
- ce103.cern.ch:2119/jobmanager-lcglsf-grid\_dteam
- ce104.cern.ch:2119/jobmanager-lcglsf-grid\_2nh\_dteam
- ce104.cern.ch:2119/jobmanager-lcglsf-grid\_dteam
- ce105.cern.ch:2119/jobmanager-lcglsf-grid\_2nh\_dteam
- ce105.cern.ch:2119/jobmanager-lcglsf-grid\_dteam
- ce106.cern.ch:2119/jobmanager-lcglsf-grid\_2nh\_dteam
- ce106.cern.ch:2119/jobmanager-lcglsf-grid\_dteam
- ce107.cern.ch:2119/jobmanager-lcglsf-grid\_2nh\_dteam
- ce107.cern.ch:2119/jobmanager-lcglsf-grid\_dteam
- ce112.cern.ch:2119/jobmanager-lcglsf-grid\_2nh\_dteam
- ce112.cern.ch:2119/jobmanager-lcglsf-grid\_dteam
- ce113.cern.ch:2119/jobmanager-lcglsf-grid\_2nh\_dteam
- ce113.cern.ch:2119/jobmanager-lcglsf-grid\_dteam
- ce114.cern.ch:2119/jobmanager-lcglsf-grid\_2nh\_dteam
- ce114.cern.ch:2119/jobmanager-lcglsf-grid\_dteam
- ce124.cern.ch:2119/jobmanager-lcglsf-grid\_2nh\_dteam
- ce124.cern.ch:2119/jobmanager-lcglsf-grid\_dteam
- ce125.cern.ch:2119/jobmanager-lcglsf-grid\_2nh\_dteam
- ce125.cern.ch:2119/jobmanager-lcglsf-grid\_dteam
- ce126.cern.ch:2119/jobmanager-lcglsf-grid\_2nh\_dteam
- ce126.cern.ch:2119/jobmanager-lcglsf-grid\_dteam
- ce127.cern.ch:2119/jobmanager-lcglsf-grid\_2nh\_dteam
- ce127.cern.ch:2119/jobmanager-lcglsf-grid\_dteam
- ce128.cern.ch:2119/jobmanager-lcglsf-grid\_2nh\_dteam
- ce128.cern.ch:2119/jobmanager-lcglsf-grid\_dteam
- ce129.cern.ch:2119/jobmanager-lcglsf-grid\_2nh\_dteam
- ce129.cern.ch:2119/jobmanager-lcglsf-grid\_dteam
- ce130.cern.ch:2119/jobmanager-lcglsf-grid\_2nh\_dteam
- ce130.cern.ch:2119/jobmanager-lcglsf-grid\_dteam
- ce131.cern.ch:2119/jobmanager-lcglsf-grid\_2nh\_dteam
- ce131.cern.ch:2119/jobmanager-lcglsf-grid\_dteam
- ce132.cern.ch:2119/jobmanager-lcglsf-grid\_2nh\_dteam
- ce132.cern.ch:2119/jobmanager-lcglsf-grid\_dteam
- ce133.cern.ch:2119/jobmanager-lcglsf-grid\_2nh\_dteam
- ce133.cern.ch:2119/jobmanager-lcglsf-grid\_dteam
- cmsce01.na.infn.it:2119/jobmanager-lcgpbs-cert
- grid-ce-01.ba.infn.it:2119/jobmanager-lcgpbs-cert
- grid-ce.lns.infn.it:2119/jobmanager-lcgpbs-cert
- grid-ce.lns.infn.it:2119/jobmanager-lcgpbs-infinite
- grid-ce.lns.infn.it:2119/jobmanager-lcgpbs-long
- grid-ce.lns.infn.it:2119/jobmanager-lcgpbs-short
- grid-ce2.pr.infn.it:2119/jobmanager-pbs-cert
- grid-eo-engine04.esrin.esa.int:2119/jobmanager-lcgpbs-cert
- grid0.fe.infn.it:2119/jobmanager-lcgpbs-cert
- grid001.ts.infn.it:2119/jobmanager-lcglsf-cert
- grid002.ca.infn.it:2119/jobmanager-lcglsf-cert
- grid01.ge.infn.it:2119/jobmanager-lcglsf-cert
- grid012.ct.infn.it:2119/jobmanager-lcglsf-cert
- gridce.ilc.cnr.it:2119/jobmanager-lcgpbs-cert
- gridce.pg.infn.it:2119/jobmanager-lcgpbs-cert
- gridce.sns.it:2119/jobmanager-lcgpbs-cert
- gridce1.pi.infn.it:2119/jobmanager-lcglsf-cert
- gridce2.pi.infn.it:2119/jobmanager-lcglsf-cert
- gridit-ce-001.cnaf.infn.it:2119/jobmanager-lcgpbs-cert
- griditce01.na.infn.it:2119/jobmanager-lcgpbs-cert
- lcg-ce.research-infrastructures.eu:2119/jobmanager-lcgpbs-cert
- linux-ce-01.cs.infn.it:2119/jobmanager-lcgpbs-atlasgcert

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- pamelace01.na.infn.it:2119/jobmanager-lcgpbs-cert
- pbs-enmr.cern.unifi.it:2119/jobmanager-lcgpbs-cert
- prod-ce-02.pd.infn.it:2119/jobmanager-lcglsf-cert
- t2-ce-01.lnl.infn.it:2119/jobmanager-lcglsf-cert1
- t2-ce-01.mi.infn.it:2119/jobmanager-lcgpbs-cert
- t2-ce-02.lnl.infn.it:2119/jobmanager-lcglsf-cert1
- t2-ce-02.mi.infn.it:2119/jobmanager-lcgcondor-cert
- t2-ce-02.to.infn.it:2119/jobmanager-lcgpbs-cert
- t2-ce-02.to.infn.it:2119/jobmanager-lcgpbs-short
- t2-ce-03.lnl.infn.it:2119/jobmanager-lcglsf-cert1
- t2-ce-04.lnl.infn.it:2119/jobmanager-lcglsf-cert1
- t2-ce-06.lnl.infn.it:2119/jobmanager-lcglsf-cert1
- test7200a.cnaf.infn.it:2119/jobmanager-lcgpbs-cert
- test7200a.cnaf.infn.it:2119/jobmanager-lcgpbs-parallel
- virgo-ce.romal.infn.it:2119/jobmanager-lcgpbs-cert

### List match with data

- with data:
- ◆ test report here

## Submission/GetOutput

### Normal Jobs

- Normal jobs through
  - ◆ ICE work:

```
◇ glite-wms-job-submit --config glite_wms_devel20.conf -a myjob-toICE.jdl
```

```
Connecting to the service https://devel20.cnaf.infn.it:7443/glite_wms_wmproxy
```

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

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

```
https://devel15.cnaf.infn.it:9000/Atu_PYr8SfD3C4VGCU_SjQ
```

```
===== glite-wms-job-status https://devel15.cnaf.infn.it:9000/Atu_PYr8SfD3C4VGCU_SjQ =====
```

```
*****  
BOOKKEEPING INFORMATION:
```

```
Status info for the Job : https://devel15.cnaf.infn.it:9000/Atu_PYr8SfD3C4VGCU_SjQ  
Current Status:      Done (Success)  
Exit code:           0  
Status Reason:       Job Terminated Successfully  
Destination:         ce202.cern.ch:8443/cream-lsf-grid_dteam  
Submitted:           Mon Apr 26 15:00:37 2010 CEST  
*****
```

```
glite-wms-job-output https://devel15.cnaf.infn.it:9000/Atu_PYr8SfD3C4VGCU_SjQ
```

```
Connecting to the service https://devel20.cnaf.infn.it:7443/glite_wms_wmproxy
```

```
=====
```

```
JOB GET OUTPUT OUTCOME
```

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```
Output sandbox files for the job:
https://devel15.cnaf.infn.it:9000/Atu_PYr8SfD3C4VGCU_SjQ
have been successfully retrieved and stored in the directory:
/tmp/jobOutput/emolinari_AtutPYr8SfD3C4VGCU_SjQ
-----
ls /tmp/jobOutput/emolinari_AtutPYr8SfD3C4VGCU_SjQ/
err.log  message.txt
```

### ◆ JC work:

```
◇ glite-wms-job-submit --config glite_wms_devel20.conf -a myjob-toLcg.jdl
```

```
Connecting to the service https://devel20.cnaf.infn.it:7443/glite_wms_wmproxy
```

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

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

```
https://devel15.cnaf.infn.it:9000/k0ue-prhJAvtAvjL2x_7Qg
-----
```

```
glite-wms-job-status https://devel15.cnaf.infn.it:9000/k0ue-prhJAvtAvjL2x_7Qg
```

```
*****
BOOKKEEPING INFORMATION:
```

```
Status info for the Job : https://devel15.cnaf.infn.it:9000/k0ue-prhJAvtAvjL2x_7Qg
Current Status:      Done (Success)
Logged Reason(s):
```

```
-
- Job terminated successfully
Exit code:          0
Status Reason:     Job terminated successfully
Destination:       cel131.cern.ch:2119/jobmanager-lcglsf-grid_2nh_dteam
Submitted:         Mon Apr 26 15:18:42 2010 CEST
*****
```

```
glite-wms-job-output https://devel15.cnaf.infn.it:9000/k0ue-prhJAvtAvjL2x_7Qg
```

```
Connecting to the service https://devel20.cnaf.infn.it:7443/glite_wms_wmproxy
```

```
=====
```

```
JOB GET OUTPUT OUTCOME
```

```
Output sandbox files for the job:
https://devel15.cnaf.infn.it:9000/k0ue-prhJAvtAvjL2x_7Qg
have been successfully retrieved and stored in the directory:
/tmp/jobOutput/emolinari_k0ue-prhJAvtAvjL2x_7Qg
-----
```

```
ls /tmp/jobOutput/emolinari_k0ue-prhJAvtAvjL2x_7Qg
err.log  message.txt
```

## DAG jobs

### • Dag jobs through:

#### ◆ JC work:

```
◇ test report here
```

## Collection jobs

- Collection jobs through:
  - ◆ ICE work: 
    - ◇ test report here
  - ◆ JC work: 
    - ◇ test report here
  - ◆ also job-output for collections works even though only the parent node is set to 'Cleared'

## Parametric jobs

- Parametric jobs through:
  - ◆ ICE work: 
    - ◇ test report here
  - ◆ JC work: 
    - ◇ test report here
    - ◇ tested with the following
 

```
[
JobType = "parametric";
Executable = "/usr/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"};
Parameters = 5;
usertags = [ jdl = "parametric" ];
]
```
- Bulk jobs sent both through ICE and JC and RetryCount = 0; :
  - ◆ Submit a bulk of 3 jobs -> success 100%  both to ICE and JC
  - ◆ Submit a bulk of 50 jobs -> success 100%  both to ICE and JC
  - ◆ Submit a bulk of 100 jobs -> success 100%  both to ICE and JC
  - ◆ Submit a bulk of 500 jobs -> success 99.9%  both to ICE and JC
  - ◆ Submit a bulk of 1000 jobs -> success 99.9%  both to ICE and JC
    - ◇ bulk test report to JC here
    - ◇ bulk test report to ICE here

## Perusal jobs

- Perusal jobs through:
  - ◆ JC work: 
    - ◇ test report here
  - ◆ ICE work: 
    - ◇ test report here
- MPICH jobs: 
  - ◆ ◇ test report here

## Cancel

- Normal jobs
  - ◆ ICE: 
    - ◇ test result here
  - ◆ JC: 
    - ◇ test result here

- Dag: 
  - ◆  test report here
  - ◆ Note that children nodes in status 'submitted' don't get cancelled
- Collection
  - ◆ ICE: 
    - ◇ test result here
  - ◆ JC: 
    - ◇ test result here
- Node of a collection: 
  - ◆ Note: collections stay in status 'waiting' when all the nodes are Done (Success) except for one that is 'Cancelled'

## Others

- BrokerInfo
    - ◆ ICE creation  test report here
    - ◆ JC creation:  test report here
  - Resubmission
    - ◆ Shallow: 
      - ◇ test report here
    - ◆ Deep: 
      - ◇ test report here
  - Job Recovery
    - ◆ Tested with a few collections re-starting the wm while some node jobs are still in a 'submitted' or 'waiting' status
    - ◆ test report here
  - Prologue and Epilogue jobs 
    - ◆ test report here
- 
- 

## Stress test

### Description:

- 1200 collections each of 20 jobs
- One collection every 60 seconds
- Four users
- No requirements (so randomly submitted to all the production CEs)
- Use automatic-delegation
- The job is a "sleep random(172)"
- Resubmission is enabled
- Use 2 proxy renewal services (myproxy.cern.ch and myproxy.cnaf.infn.it) plus jobs without specification of the MyproxyServer (equally distributed)
- Use a 3.2.0.12 LB Server (patch #4083 )

### Final results

- 1172 collections submitted in 6935 seconds: 3/6/125 (min/avg/max)
  - ◆ 28 submissions fails (due to LB error)
- Jobs correctly submitted: 23440 (90% to LCG CEs and 10% to CREAM CEs)



- ◆ DONE OK: 23335 (99.52%)
  - ◆ ABORTED: 105 ( 0.48 %)
  - ◆ Resubmitted: 3067 ( 13.08 %)
  - Aborted reasons:
    - ◆ Job proxy is expired: 42 times (40 %)
    - ◆ (LB query failed): 57 times (54.4 %)
    - ◆ Removal retries exceeded: 4 times (3.8%)
    - ◆ hit job shallow retry count (3): 1 time (0.9%)
    - ◆ Submission to condor failed: 1 time (0.9%)
  - Failures (3377)
    - ◆ 7 an authentication operation failed (~63%)
    - ◆ File not available.Cannot read JobWrapper output, both from Condor and from Maradona. (~18%)
    - ◆ Transfer to CREAM failed due to exception (~12%)
    - ◆ Got a job held event (~5%)
    - ◆ ... others (~2%)
- 
- 

## Check bugs

- Bug #42288 : Problem in forwarding cerequirements to a CREAM CE FIXED
  - ◆ description of the problem --> "The parameters to be forwarded specified in the Requirements attribute of the .jdl classad are NOT considered and ICE does not send them to the CE, therefore the classad passed to BLAH does not contain them"
  - ◇ submitted the following .jdl via WMS:

```

cat myjob_forwardReq.jdl
[
Type = "Job";
JobType = "normal";
InputSandbox = { "file:///home/emolinari/test.sh"};
VirtualOrganisation = "dteam";
Executable="test.sh";
Arguments="Hello ";
requirements = (other.GlueCEUniqueID == "cream-19.pd.infn.it:8443/cream-lsf-t
Rank = 0;
myproxy = myproxy.cnaf.infn.it;
fuzzyrank = true;
StdOutput="message.txt";
StdError="err.log";
OutputSandbox={"message.txt", "err.log", ".BrokerInfo"};
RetryCount = 0;
ShallowRetryCount = 3;
]

```

- ◇ checked in the ice log file on the WMS, /var/log/glite/ice.log, that the CERequirement field of the .jdl gets populated as in the following

```

CeRequirements = "true && ( true && ( true && ( other.GlueHostMainMemoryRAMS

```

- ◇ checked on the CE that blah generates the correct classad with the requirements to be forwarded, as in the following:

```

cat /tmp/subfile
#!/bin/bash
# LSF job wrapper generated by lsf_submit.sh
# on Wed Apr 14 19:13:10 CEST 2010
#
# LSF directives:
#BSUB -L /bin/bash

```

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```
#BSUB -J cre19_725998524
#BSUB -q testbedB_1
#BSUB -R "select[mem>=0]"
.....
```

- Bug #48910 : Failure starting LM if its output jobdir doesn't exist; unprotected chown in WM/LM/JC startup scripts FIXED

- ◆ Stopped gLite services and deleted the jobdir under '/var/glite/workload\_manager'

```
[root@wms007 jobdir]# service gLite stop
[...]
[root@wms007 workload_manager]# pwd
/var/glite/workload_manager
[root@wms007 workload_manager]# ls
ismdump.fl jobdir
[root@wms007 workload_manager]# rm -rf jobdir
[root@wms007 workload_manager]# ls
ismdump.fl
```

- ◇ re-started the LM service checking that the jobdir gets recreated

```
[root@wms007 workload_manager]# /opt/glite/etc/init.d/glite-wms-lm start
Starting LogMonitor... [ OK ]
[root@wms007 workload_manager]# ls
ismdump.fl jobdir
[root@wms007 workload_manager]# /opt/glite/etc/init.d/glite-wms-lm status
Logmonitor running...
```

- ◆ Stopped gLite services and deleted the jobdir under '/var/glite/jobcontrol'

```
[root@wms007 jobcontrol]# pwd
/var/glite/jobcontrol
[root@wms007 jobcontrol]# rm -rf jobdir
[root@wms007 jobcontrol]# ls
condorio submit
```

- ◇ re-started the JC service checking that the jobdir gets recreated

```
[root@wms007 jobcontrol]# /opt/glite/etc/init.d/glite-wms-jc start JobControl
Starting JobController daemon(s)
Starting JobController... [ OK ]
[root@wms007 jobcontrol]# ls
condorio jobdir lock submit
[root@wms007 ice]# /opt/glite/etc/init.d/glite-wms-jc status JobController
JobController running in pid: 3625
```

- ◆ Stopped gLite services and deleted the jobdir under '/var/glite/ice'

```
[root@wms007 ice]# pwd
/var/glite/ice
[root@wms007 ice]# ls
jobdir persist_dir
[root@wms007 ice]# rm -rf jobdir/
[root@wms007 ice]# ls
persist_dir
```

- ◇ re-started the ICE service checking that the jobdir gets recreated

```
[root@wms007 ice]# /opt/glite/etc/init.d/glite-wms-ice start
starting ICE... ok
[root@wms007 ice]# ls
jobdir persist_dir
[root@wms007 ice]# /opt/glite/etc/init.d/glite-wms-ice status
/opt/glite/bin/glite-wms-ice-safe (pid 22783) is running...
```

- ◆ Stopped gLite services and deleted all the jobdirs

## WmsTestsP3621 < EgeeJra1It < TWiki

```
[root@wms007 glite]# ls workload_manager/ jobcontrol/ ice/
ice/:
persist_dir

jobcontrol/:
condorio submit

workload_manager/:
ismdump.fl
```

### ◇ re-started the WM service checking that all the jobdirs get recreated

```
[root@wms007 glite]# /opt/glite/etc/init.d/glite-wms-wm start
starting workload manager... ok
[root@wms007 glite]# ls workload_manager/ jobcontrol/ ice/
ice/:
jobdir persist_dir

jobcontrol/:
condorio jobdir submit

workload_manager/:
ismdump.fl jobdir
[root@wms007 glite]# /opt/glite/etc/init.d/glite-wms-wm status
/opt/glite/bin/glite-wms-workload_manager (pid 23259) is running...
```

### ◆ Comment Input/InputType parameter in wms conf file (Sections: ICE, WorkloadManager and JobController).

#### ◇ Try to start JobController:

```
[root@wms007 workload_manager]# /opt/glite/etc/init.d/glite-wms-jc start JobC
Starting !JobController daemon(s)
Please set Input parameter in glite_wms.conf - JC section [FAILED]
[root@wms007 workload_manager]# /opt/glite/etc/init.d/glite-wms-jc status Job
JobController stopped.
```

#### ◇ Try to start LogMonitor:

```
[root@wms007 workload_manager]# /opt/glite/etc/init.d/glite-wms-lm start
Starting LogMonitor...Please set Input parameter in glite_wms.conf - WM secti
[FAILED]
[root@wms007 workload_manager]# /opt/glite/etc/init.d/glite-wms-lm status
LogMonitor stopped.
```

#### ◇ Try to start ICE:

```
[root@wms007 workload_manager]# /opt/glite/etc/init.d/glite-wms-ice start
starting ICE... failure
[root@wms007 workload_manager]# /opt/glite/etc/init.d/glite-wms-ice status
/opt/glite/bin/glite-wms-ice-safe is not running
```

#### ◇ Try to start WorkloadManager:

```
[root@wms007 workload_manager]# /opt/glite/etc/init.d/glite-wms-wm start
starting workload manager... Please set Input parameter in - WM section
Please set DispatcherType parameter in - WM section
Please set Input parameter in - JC section
Please set InputType parameter in - JC section
Please set Input parameter in - ICE section
Please set InputType parameter in - ICE section
failure
[root@wms007 workload_manager]# /opt/glite/etc/init.d/glite-wms-wm status
/opt/glite/bin/glite-wms-workload_manager is not running
```

### • Bug #52934 : [ICE] Delegation in ICE doesn't refer to the myproxy server FIXED

#### ◆ GridJobID: [https://devel17.cnaf.infn.it:9000/dj8r\\_iFRd8tnWH4bThPNeg](https://devel17.cnaf.infn.it:9000/dj8r_iFRd8tnWH4bThPNeg)

#### ◇ Deleg Proxy ID = [12692524052E32526wms0072Ecnaf2Einfn2Eit]



## WmsTestsP3621 < EgeeJra1It < TWiki

```
2010-03-22 16:47:50,496 DEBUG - iceCommandEventQuery::processEventsForJob() - TID=
2010-03-22 16:47:50,496 INFO - scoped_timer iceCommandEventQuery::processSingleEvent
```

- ◆ Using an "old" CE instead the "poller" method is used:

```
2010-03-22 16:55:55,397 INFO - scoped_timer iceCommandEventQuery::execute() - SOAP C
2010-03-22 16:55:55,397 ERROR - iceCommandEventQuery::execute() - TID=[150673032] C
2010-03-22 16:55:55,398 WARN - iceCommandEventQuery::execute() - TID=[150673032] No
2010-03-22 16:55:55,398 INFO - iceCommandStatusPoller::execute() - Getting [100] job
2010-03-22 16:55:55,398 DEBUG - iceCommandStatusPoller::get_jobs_to_poll() - Collect
```

- Bug #55103 : [ICE] ICE port 7010 not cleaned up properly FIXED

- ◆ We try a stop/start/restart sequence

```
[root@wms007 ~]# ps ax | grep ice
 1283 pts/2    S+      0:00 grep ice
30985 ?        Ss      0:00 /opt/glite/bin/glite-wms-ice-safe --conf glite_wms.conf -
30989 ?        S       0:00 sh -c /opt/glite/bin/glite-wms-ice --conf glite_wms.conf
30990 ?        Sl      0:15 /opt/glite/bin/glite-wms-ice --conf glite_wms.conf
[root@wms007 ~]# /opt/glite/etc/init.d/glite-wms-ice stop
stopping ICE... ok
[root@wms007 ~]# ps ax | grep ice
 1321 pts/2    S+      0:00 grep ice
[root@wms007 ~]# /opt/glite/etc/init.d/glite-wms-ice start
starting ICE... ok
[root@wms007 ~]# ps ax | grep ice
 1353 ?        Ss      0:00 /opt/glite/bin/glite-wms-ice-safe --conf glite_wms.conf -
 1357 ?        S       0:00 sh -c /opt/glite/bin/glite-wms-ice --conf glite_wms.conf
 1358 ?        Sl      0:00 /opt/glite/bin/glite-wms-ice --conf glite_wms.conf
 1398 pts/2    S+      0:00 grep ice
[root@wms007 ~]# /opt/glite/etc/init.d/glite-wms-ice restart
stopping ICE... ok
starting ICE... ok
[root@wms007 ~]# ps ax | grep ice
 1433 ?        Ss      0:00 /opt/glite/bin/glite-wms-ice-safe --conf glite_wms.conf -
 1437 ?        S       0:00 sh -c /opt/glite/bin/glite-wms-ice --conf glite_wms.conf
 1438 ?        Sl      0:00 /opt/glite/bin/glite-wms-ice --conf glite_wms.conf
 1470 pts/2    S+      0:00 grep ice
```

- Bug #55452 : CMS production struck by waves of "Globus error 10: data transfer to the server failed" FIXED NOT CERTIFIED

- Bug #56636 : [ICE] statistics counters for monitoring FIXED

- ◆ Verify the command and its options:

```
[root@wms007 persist_dir]# queryStats -t "2010-04-08 00:00:00"
JOB_REGISTERED=2
JOB_IDLE=2
JOB_RUNNING=2
JOB_REALLY-RUNNING=2
JOB_DONE-OK=2

[root@wms007 persist_dir]# queryStats -f "2010-04-08 00:00:01" -t "2010-04-09 11:00:00"
JOB_REGISTERED=4
JOB_IDLE=4
JOB_RUNNING=4
JOB_REALLY-RUNNING=4
JOB_DONE-OK=1
JOB_DONE-FAILED=3

[root@wms007 persist_dir]# queryStats -f "2010-04-09 11:00:01"
JOB_REGISTERED=255
JOB_IDLE=255
JOB_RUNNING=193
JOB_REALLY-RUNNING=204
```

## WmsTestsP3621 < EgeeJra1It < TWiki

```
JOB_DONE=OK=191
JOB_ABORTED=6
```

```
[root@wms007 persist_dir]# queryStats
JOB_REGISTERED=261
JOB_IDLE=261
JOB_RUNNING=199
JOB_REALLY-RUNNING=210
JOB_DONE=OK=194
JOB_DONE-FAILED=3
JOB_ABORTED=6
```

- Bug #57295 : [ICE] queryDb tool may create empty DB as root FIXED

- ◆ Verify:

```
[root@wms007 ~]# ll /var/glite/ice/persist_dir/ice.db
-rw-r--r-- 1 glite glite 1280000 Mar 22 17:05 /var/glite/ice/persist_dir/ice.db
[root@wms007 ~]# /opt/glite/bin/queryDb -c glite_wms.conf -s RUNNING,REALLY_RUNNING
0 item(s) found
[root@wms007 ~]# ll /var/glite/ice/persist_dir/ice.db
-rw-r--r-- 1 glite glite 1280000 Mar 22 17:05 /var/glite/ice/persist_dir/ice.db
```

- Bug #57579 : [ICE] Occasionally the ICE's start/stop script doesn't kill the ICE process HOPEFULLY FIXED

- ◆ Verify:

```
[root@wms007 ~]# /opt/glite/etc/init.d/glite-wms-ice status
/opt/glite/bin/glite-wms-ice-safe (pid 1433) is running...
[root@wms007 ~]# /opt/glite/etc/init.d/glite-wms-ice stop
stopping ICE... ok
[root@wms007 ~]# ps ax | grep ice
19866 pts/2 S+ 0:00 grep ice
[root@wms007 ~]# /opt/glite/etc/init.d/glite-wms-ice start
starting ICE... ok
[root@wms007 ~]# ps ax | grep ice
19899 ? Ss 0:00 /opt/glite/bin/glite-wms-ice-safe --conf glite_wms.conf -
19903 ? S 0:00 sh -c /opt/glite/bin/glite-wms-ice --conf glite_wms.conf
19904 ? Sl 0:00 /opt/glite/bin/glite-wms-ice --conf glite_wms.conf
19932 pts/2 S+ 0:00 grep ice
[root@wms007 ~]# /opt/glite/etc/init.d/glite-wms-ice stop
stopping ICE... ok
[root@wms007 ~]# ps ax | grep ice
19978 pts/2 S+ 0:00 grep ice
[root@wms007 ~]# /opt/glite/etc/init.d/glite-wms-ice start
starting ICE... ok
[root@wms007 ~]# ps ax | grep ice
20009 ? Ss 0:00 /opt/glite/bin/glite-wms-ice-safe --conf glite_wms.conf -
20013 ? S 0:00 sh -c /opt/glite/bin/glite-wms-ice --conf glite_wms.conf
20014 ? Sl 0:00 /opt/glite/bin/glite-wms-ice --conf glite_wms.conf
20046 pts/2 S+ 0:00 grep ice
```

- Bug #57596 : [ICE] non resubmission if job failed for proxy expiration FIXED

- ◆ Verify:

```
2010-03-23 10:20:37,696 INFO - iceLBLogger::logEvent() - Job Done Failed Event, Exit
2010-03-23 10:20:37,817 DEBUG - iceLBContext::testCode() - L&B call succeeded.
2010-03-23 10:20:37,828 ERROR - Ice::resubmit_job() - Will NOT resubmit job [gridJob
2010-03-23 10:20:37,828 INFO - iceLBContext::setLoggingJob - Setting log job to jobi
2010-03-23 10:20:37,828 INFO - iceLBLogger::logEvent() - Job Aborted Event, reason=
```

- Bug #58099 : WMS purger forces purge of jobs if LB cannot be reached FIXED

- ◆ Stop the LBServer and then run the cron purger:

## WmsTestsP3621 < EgeeJra1It < TWiki

```
07 Apr, 16:09:13 -E: [Error] query_job_status(purger.cpp:125): https://devel17.cnaf.infn.it
[glite@wms007 ~]$
```

- ◆ Verify that the SandBox dir has not been removed:

```
[glite@wms007 ~]$ ls -l /var/glite/SandboxDir/ye/https_3a_2f_2fdevel17.cnaf.infn.it
total 16
drwxrwx--- 2 dteam008 glite 4096 Apr  6 14:34 input
drwxrwx--- 2 dteam008 glite 4096 Apr  6 14:46 output
drwxrwx--- 2 dteam008 glite 4096 Apr  6 14:34 peek
lrwxrwxrwx 1 glite glite 102 Apr  6 14:34 user.proxy -> /var/glite/SandboxDir/U
```

- ◆ Restart LBServer and verify that now the SBD of the job is purged:

```
[glite@wms007 ~]$ /opt/glite/sbin/glite-wms-purgeStorage.sh -p /var/glite/SandboxDir/
07 Apr, 16:18:07 -I: [Info] operator() (purger.cpp:449): https://devel17.cnaf.infn.it
[glite@wms007 ~]$ ls -l /var/glite/SandboxDir/ye/https_3a_2f_2fdevel17.cnaf.infn.it
ls: /var/glite/SandboxDir/ye/https_3a_2f_2fdevel17.cnaf.infn.it_3a9000_2fyexs2eB1kv
```

- Bug #58387 : [ICE] should log a job aborted when it cannot resubmit the job for missing user proxy  
FIXED

- ◆ Verify:

```
*****
BOOKKEEPING INFORMATION:

Status info for the Job : https://devel17.cnaf.infn.it:9000/jw2aeAy1skHY3mRJHCF8YA
Current Status:      Aborted
Logged Reason(s):
  - Proxy is expired; /opt/glite/bin/glite-lb-logevent: edg_wll_LogEvent*(): LB se
Status Reason:      Input sandbox's proxy is missing. Cannot resubmit job
Destination:        ce202.cern.ch:8443/cream-lsf-grid_dteam
Submitted:          Tue Mar 23 09:49:42 2010 CET
*****
```

- Bug #58977 : [ICE] Wrong database colum name in ICE SQL query FIXED

- ◆ Submit some jobs to a ce (e.g. cream-25.pd.infn.it:8443/cream-lsf-testbedB\_2):

```
[root@wms007 20100409]# queryDb -v -C -G
[https://cream-25.pd.infn.it:8443/CREAM881525184] [https://devel17.cnaf.infn.it:9000]
[https://cream-25.pd.infn.it:8443/CREAM425827870] [https://devel17.cnaf.infn.it:9000]
[https://cream-25.pd.infn.it:8443/CREAM543141647] [https://devel17.cnaf.infn.it:9000]
[https://cream-25.pd.infn.it:8443/CREAM769586568] [https://devel17.cnaf.infn.it:9000]
[https://cream-25.pd.infn.it:8443/CREAM192029588] [https://devel17.cnaf.infn.it:9000]
[https://cream-25.pd.infn.it:8443/CREAM378177464] [https://devel17.cnaf.infn.it:9000]
[https://cream-25.pd.infn.it:8443/CREAM299069473] [https://devel17.cnaf.infn.it:9000]
[https://cream-25.pd.infn.it:8443/CREAM012571708] [https://devel17.cnaf.infn.it:9000]
[https://cream-25.pd.infn.it:8443/CREAM561236418] [https://devel17.cnaf.infn.it:9000]
[https://cream-25.pd.infn.it:8443/CREAM972351884] [https://devel17.cnaf.infn.it:9000]
[https://cream-25.pd.infn.it:8443/CREAM827240561] [https://devel17.cnaf.infn.it:9000]
[https://cream-25.pd.infn.it:8443/CREAM573497695] [https://devel17.cnaf.infn.it:9000]
[https://cream-25.pd.infn.it:8443/CREAM735112819] [https://devel17.cnaf.infn.it:9000]
[https://cream-25.pd.infn.it:8443/CREAM526570551] [https://devel17.cnaf.infn.it:9000]
[https://cream-25.pd.infn.it:8443/CREAM992848449] [https://devel17.cnaf.infn.it:9000]
[https://cream-25.pd.infn.it:8443/CREAM944698480] [https://devel17.cnaf.infn.it:9000]
[https://cream-25.pd.infn.it:8443/CREAM729677007] [https://devel17.cnaf.infn.it:9000]
[https://cream-25.pd.infn.it:8443/CREAM589660323] [https://devel17.cnaf.infn.it:9000]
[https://cream-25.pd.infn.it:8443/CREAM994745139] [https://devel17.cnaf.infn.it:9000]
[https://cream-25.pd.infn.it:8443/CREAM228224655] [https://devel17.cnaf.infn.it:9000]
[https://cream-25.pd.infn.it:8443/CREAM397635733] [https://devel17.cnaf.infn.it:9000]
[https://cream-25.pd.infn.it:8443/CREAM510341828] [https://devel17.cnaf.infn.it:9000]
[https://cream-25.pd.infn.it:8443/CREAM788890890] [https://devel17.cnaf.infn.it:9000]
```

```
-----
23 item(s) found
```

- ◆ Check also the db\_id registered in the ice's database

## WmsTestsP3621 < EgeeJra1It < TWiki

```
[root@wms007 20100409]# sqlite3 /var/glite/ice/persist_dir/ice.db "SELECT db_id, ce
1270820425000|https://cream-25.pd.infn.it:8443/ce-cream/services/CREAM2
```

- ◆ Stop the cream CE. Drop its database. Create a new empty one. Restart the CE.
- ◆ Check what happen in the ice log file:

```
2010-04-09 16:16:53,953 WARN - iceCommandEventQuery::execute() - TID=[150150560] *
```

- ◆ Check if there are jobs in the Ice's database:

```
[root@wms007 persist_dir]# queryDb -v -C -G
```

```
-----  
0 item(s) found
```

- ◆ and if the db\_id has been changed:

```
[root@wms007 persist_dir]# sqlite3 /var/glite/ice/persist_dir/ice.db "SELECT db_id,
1270822483000|https://cream-25.pd.infn.it:8443/ce-cream/services/CREAM2
```

- ◆ Look at the status of a job that has been removed:

```
Status info for the Job : https://devel17.cnaf.infn.it:9000/xjiyHJo3rkUsXXHHe0s
Current Status:      Aborted
Logged Reason(s):
- job completed
Status Reason:      CREAM'S database has been scratched and all its jobs have be
Destination:        cream-25.pd.infn.it:8443/cream-lsf-testbedB_2
Submitted:          Fri Apr  9 16:11:34 2010 CEST
```

- Bug #59240 : [ICE] abort reasons not always printed in its logfile FIXED NOT CERTIFIED
- Bug #59339 : [ICE] doesn't correctly handle request in jobdir/old when it is restarted FIXED
  - ◆ Verify submitting a big collection to cream CEs, and then restarting ICE in the middle of the submit process:

```
2010-03-23 15:55:43,604 DEBUG - iceCommandSubmit::try_to_submit() - TID=[168434952]
-32.pd.infn.it:8443/CREAM036926381] related to GridJobID [https://devel17.cnaf.infn.
```

- ◆ restarting ice...

```
2010-03-23 15:55:45,760 DEBUG - ICE VersionID is [Fri Mar 19 13:53:17 CET 2010] Pro
2010-03-23 15:55:45,760 INFO - glite-wms-ice::main() - Host certificate is [/home/g
2010-03-23 15:55:45,817 DEBUG - iceThreadPool::iceThreadPool(ICE Submission Pool) -
2010-03-23 15:55:45,819 DEBUG - iceThreadPool::iceThreadPool(ICE Poller Pool) - Crea
[...]
2010-03-23 15:55:48,967 INFO - iceCommandSubmit::execute() - TID=[144321160] This r
2010-03-23 15:55:48,968 INFO - iceCommandSubmit::try_to_submit() - TID=[144321160]
000/iM8C3YV12fwhvIG5mNip5Q] has already been REGISTERED. Will only START it...
2010-03-23 15:55:48,968 DEBUG - iceCommandSubmit::try_to_submit() - TID=[144321160]
-32.pd.infn.it:8443/CREAM036926381] related to GridJobID [https://devel17.cnaf.infn.
2010-03-23 15:55:49,154 INFO - iceLBContext::setLoggingJob - Setting log job to jobi
3YV12fwhvIG5mNip5Q] LB server=[devel17.cnaf.infn.it:9000] (port is not used, actual
2010-03-23 15:55:49,155 INFO - iceLBLogger::logEvent() - Cream Transfer OK Event -
000/iM8C3YV12fwhvIG5mNip5Q" CREAMJobID="https://cream-32.pd.infn.it:8443/CREAM036926
```

- Bug #59453 : [ICE] polling needs to be improved FIXED NOT CERTIFIED
  - ◆ See also these tests
- Bug #60668 : [ICE] does not respect LB server/proxy selection through the LBproxy attribute FIXED
  - ◆ Set **LBProxy = false**; in *glite\_wms.conf* (section Common), restart ice and submit...

```
mysql> select * from events where jobid="YFyqjw3FF-BO-0U5BxCotA";
+-----+-----+-----+-----+-----+-----+
| jobid          | event | code | prog          | host          | ti
```



## WmsTestsP3621 < EgeeJra1It < TWiki

```

+-----+-----+-----+-----+-----+-----+
| YFyqjw3FF-BO-0U5BxCotA | 0 | 5 | WorkloadManager | wms007.cnaf.infn.it | 20
| YFyqjw3FF-BO-0U5BxCotA | 1 | 15 | WorkloadManager | wms007.cnaf.infn.it | 20
| YFyqjw3FF-BO-0U5BxCotA | 2 | 4 | WorkloadManager | wms007.cnaf.infn.it | 20
| YFyqjw3FF-BO-0U5BxCotA | 3 | 4 | WorkloadManager | wms007.cnaf.infn.it | 20
+-----+-----+-----+-----+-----+-----+

```

4 rows in set (0.00 sec)

- ◆ \* Set **LBProxy = true;** in *glite\_wms.conf* (section Common), restart ice and submit...

```
mysql> select * from events where jobid="SlKOGSnaW0oK03TJqw9tbA";
```

```

+-----+-----+-----+-----+-----+-----+
| jobid | event | code | prog | host | tid |
+-----+-----+-----+-----+-----+-----+
| SlKOGSnaW0oK03TJqw9tbA | 0 | 17 | NetworkServer | wms007.cnaf.infn.it | 20
| SlKOGSnaW0oK03TJqw9tbA | 1 | 21 | NetworkServer | wms007.cnaf.infn.it | 20
| SlKOGSnaW0oK03TJqw9tbA | 2 | 21 | NetworkServer | wms007.cnaf.infn.it | 20
| SlKOGSnaW0oK03TJqw9tbA | 3 | 2 | NetworkServer | wms007.cnaf.infn.it | 20
| SlKOGSnaW0oK03TJqw9tbA | 4 | 4 | NetworkServer | wms007.cnaf.infn.it | 20
| SlKOGSnaW0oK03TJqw9tbA | 5 | 4 | NetworkServer | wms007.cnaf.infn.it | 20
| SlKOGSnaW0oK03TJqw9tbA | 6 | 5 | WorkloadManager | wms007.cnaf.infn.it | 20
| SlKOGSnaW0oK03TJqw9tbA | 7 | 15 | WorkloadManager | wms007.cnaf.infn.it | 20
| SlKOGSnaW0oK03TJqw9tbA | 8 | 4 | WorkloadManager | wms007.cnaf.infn.it | 20
| SlKOGSnaW0oK03TJqw9tbA | 9 | 4 | WorkloadManager | wms007.cnaf.infn.it | 20
| SlKOGSnaW0oK03TJqw9tbA | 10 | 5 | JobController | wms007.cnaf.infn.it | 20
| SlKOGSnaW0oK03TJqw9tbA | 11 | 1 | LogMonitor | wms007.cnaf.infn.it | 20
| SlKOGSnaW0oK03TJqw9tbA | 12 | 1 | LogMonitor | wms007.cnaf.infn.it | 20
| SlKOGSnaW0oK03TJqw9tbA | 13 | 8 | LogMonitor | wms007.cnaf.infn.it | 20
| SlKOGSnaW0oK03TJqw9tbA | 14 | 25 | LogMonitor | wms007.cnaf.infn.it | 20
| SlKOGSnaW0oK03TJqw9tbA | 15 | 10 | LogMonitor | wms007.cnaf.infn.it | 20
+-----+-----+-----+-----+-----+-----+

```

16 rows in set (0.00 sec)

- Bug #61312 : [ICE] Error in handling user dn in ICE's poller FIXED
  - ◆ Submit 5 jobs to an *old* CreamCE (Cream 1.5) setting MyProxyServer attribute:

```

2010-03-24 13:40:38,128 ERROR - iceCommandEventQuery::execute() - TID=[159321352] C
2010-03-24 13:40:38,128 WARN - iceCommandEventQuery::execute() - TID=[159321352] No
2010-03-24 13:40:38,128 INFO - iceCommandStatusPoller::execute() - Getting [100] job
2010-03-24 13:40:38,128 DEBUG - iceCommandStatusPoller::get_jobs_to_poll() - Collect
2010-03-24 13:40:38,129 DEBUG - iceCommandStatusPoller::get_jobs_to_poll() - Finishe
[...]

```

- And so:

```
[ale@cream-15 UI]$ glite-wms-job-status -v 0 -i testo --noint
```

```
*****
BOOKKEEPING INFORMATION:
```

```
Status info for the Job : https://devel17.cnaf.infn.it:9000/tt3GLYuIiHuwrmnl7fGvtA
Current Status: Done (Success)
```

```
*****
BOOKKEEPING INFORMATION:
```

```
Status info for the Job : https://devel17.cnaf.infn.it:9000/ly9fdOgQk5RcaH99g23z5g
Current Status: Done (Success)
```

```
*****
BOOKKEEPING INFORMATION:
```

```
Status info for the Job : https://devel17.cnaf.infn.it:9000/jta5K1BZEP-r2KbE0SB0Vw
Current Status: Done (Success)
```

```
*****
BOOKKEEPING INFORMATION:
```

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Status info for the Job : [https://devel17.cnaf.infn.it:9000/TNqI\\_PbRyqgFAN3L52IpKQ](https://devel17.cnaf.infn.it:9000/TNqI_PbRyqgFAN3L52IpKQ)  
Current Status: Done (Success)

\*\*\*\*\*  
BOOKKEEPING INFORMATION:

Status info for the Job : <https://devel17.cnaf.infn.it:9000/V7Pnv2yE47CdHKgQmRaIvQ>  
Current Status: Done (Success)

\*\*\*\*\*

- Bug #61405 : [ICE] Missing proxy validity evaluation in ICE FIXED

- ◆ Submit this jdl with a proxy of 30minutes NOT registered to the myproxy server (myproxy.cnaf.infn.it):

```
[
  executable = "/bin/sleep";
  arguments = "2000";
  MyProxyServer = "myproxy.cnaf.infn.it";
  requirements = ( other.GlueCEStateStatus == "testbedb" );
  DefaultRank = -other.GlueCEStateEstimatedResponseTime;
]
```

- ◆ After a while submit the same jdl with a fresh proxy and look in the ice's log if this new proxy is used to refresh the delegation of the previous job:

- ◇ First it should try to renew the proxy contacting the myproxy server:

```
2010-04-14 11:47:40,622 DEBUG - iceCommandDelegationRenewal::renewAllDelegati
2010-04-14 11:47:40,622 DEBUG - iceCommandDelegationRenewal::renewAllDelegati
2010-04-14 11:47:40,783 DEBUG - iceCommandDelegationRenewal::renewAllDelegati
X509_verify_cert() failed: certificate has expired
```

```
&#65533;]
```

- ◇ Then it should use the proxy of the last arrived job to renew the delegation:

```
2010-04-14 11:47:40,783 DEBUG - iceCommandDelegationRenewal::renewAllDelegati
2010-04-14 11:47:40,783 INFO - iceCommandDelegationRenewal::renewAllDelegatio
2010-04-14 11:47:40,783 INFO - CreamProxy_DelegateRenew::execute() - Calling
```

- Bug #61413 : [ICE] should not call EventQuery for a userDN if he/she doesn't have active jobs FIXED

- ◆ Submit a job to a CreamCE and wait until it finished.
- ◆ Submit another job to a *different* CreamCE, you should not see any query to the previous used CreamCE.

- Bug #61748 : [ICE] EventQuery/Polling must be done also to blacklisted CE FIXED

- ◆ Submit some jobs to a CreamCEVerify
- ◆ Trigger a socket timeout so that ICE blacklisted the CreamCE :

```
2010-03-24 15:58:40,753 ERROR - CreamProxyMethod::execute() - Connection timed out t
on. Probably service closed connection or SOCKET TIMEOUT occurred." on try 3/3. Blac
2010-03-24 15:58:40,753 DEBUG - CEBlackList::blacklist_endpoint() - Blacklisting CE
/services/gridsite-delegation until Wed Mar 24 16:08:40 2010
```

- ◆ Verify that the QueryEvent commad is called in any case:

```
2010-03-24 16:05:28,952 DEBUG - eventStatusPoller::body() - Adding EventQuery comman
rtificate/L=Padova/CN=Alessio Gianelle-/dteam/Role=NULL/Capability=NULL, https://cre
REAM2) to the thread pool...
```

- ◆ Instead a submission fails:

```
2010-03-24 15:58:43,265 DEBUG - Delegation_manager::delegate() - Creating new delega
16wms0072Ecnaf2Einf2Eit] CREAM URL [https://cream-25.pd.infn.it:8443/ce-cream/servi
```

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```
-25.pd.infn.it:8443/ce-cream/services/gridsite-delegation] user DN [/C=IT/O=INFN/OU=
Gianelle-/dteam/Role=NULL/Capability=NULL] proxy hash [/C=IT/O=INFN/OU=Personal Cert
am/Role=NULL/Capability=NULL] MyProxy Server [myproxy.cern.ch] Expiring on [Thu Mar
2010-03-24 15:58:43,265 DEBUG - CEBlackList::is_blacklisted() - CE https://cream-25.
e-delegation is blacklisted until Wed Mar 24 16:08:40 2010
2010-03-24 15:58:43,265 ERROR - Delegation_manager::delegate() - FAILED Creation of
4427232E265116wms0072Ecnaf2Einf2Eit] CREAM URL [https://cream-25.pd.infn.it:8443/ce
https://cream-25.pd.infn.it:8443/ce-cream/services/gridsite-delegation] user DN [/C=I
/CN=Alessio Gianelle-/dteam/Role=NULL/Capability=NULL] proxy hash [/C=IT/O=INFN/OU=
ianelle-/dteam/Role=NULL/Capability=NULL] MyProxy Server [myproxy.cern.ch] - ERROR i
2010-03-24 15:58:43,265 ERROR - iceCommandSubmit::execute() - TID=[159308760] Error
n is:Failed to create a delegation id for job https://devel17.cnaf.infn.it:9000/UoV
t is blacklisted
```

- Bug #63989 : [ICE] doesn't handle exception raised by jobDir::new\_entries() **FIXED**
  - ◆ Change the permission of the *new* directory in jobdir:

```
[root@wms007 jobdir]# chmod 111 new/
[root@wms007 jobdir]# ls -l
total 48
d--x--x--x  2 glite glite 40960 Mar 24 16:13 new
drwxr-xr-x  2 glite glite  4096 Mar 24 16:13 old
drwxr-xr-x  2 glite glite  4096 Mar 24 16:13 tmp
```

- ◆ Look in ICE's log:

```
2010-03-25 09:45:39,545 ERROR - Request_source_jobdir::get_requests() - Error return
2010-03-25 09:45:40,546 ERROR - Request_source_jobdir::get_requests() - Error return
```

- Bug #64698 : jobwrapper max osb limit should be considered only if the gridftp server is the wms **FIXED only for LCG-CE**
  - ◆ Set *MaxOutputSandboxSize = 10000000*; in section *WorkloadManager* of file *glite\_wms.conf*
  - ◆ Submit a jdl with a file of more than 10Mb in the *OutputSandbox* parameter and set also the corresponding *OutputSandboxDestURI* parameter
  - ◆ Check the output dir in the SE:

```
[root@devel18 tmp]# ls -lh
-rw-r--r--  1 dteam044 dteam  50M Apr  7 16:23 bigfile
-rw-r--r--  1 dteam044 dteam  646 Apr  7 16:23 ls.out
```

- ◆ If you don't set *OutputSandboxDestURI* in the jdl, then the *SandBox* dir in the WMS should contain a *.tail* file of less than 10Mb:

```
[root@wms007 persist_dir]# ls -lh /var/glite/SandboxDir/A1/https_3a_2f_2fdevel17.c
total 9.6M
-rw-r--r--  1 dteam008 dteam  9.6M Apr  7 16:26 bigfile.tail
-rw-r--r--  1 dteam008 dteam   637 Apr  7 16:26 ls.out
```

- Bug #66721 : Ineffective and never removed Job cancels **FIXED**
  - ◆ submitted a job with the option '--register-only' as in the following:

```
glite-wms-job-submit --config ../glite_wms_devel14.conf --register-only -a ../myjob.
Connecting to the service https://devel14.cnaf.infn.it:7443/glite_wms_wmproxy_server
```

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

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

```
https://devel15.cnaf.infn.it:9000/mS8cXbg9szmcXsUETm8g2g
```

```
=====
```

```
To complete the operation, the following file containing the InputSandbox of the job
=====
ISB ZIP file : /tmp/ISBfiles_eCXKdK2egtqk7jZRlffQpw_0.tar.gz
Destination : gsiftp://devel14.cnaf.infn.it:2811/var/glite/SandboxDir/mS/https_3a_2f
=====
```

```
then start the job by issuing a submissiong with the option:
--start https://devel15.cnaf.infn.it:9000/mS8cXbg9szmcXsUETm8g2g
```

- ◆ cancel the previously submitted job as in the following:

```
glite-wms-job-cancel https://devel15.cnaf.infn.it:9000/mS8cXbg9szmcXsUETm8g2g

Are you sure you want to remove specified job(s) [y/n]y : y

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

===== glite-wms-job-cancel Success =====

The cancellation request has been successfully submitted for the following job(s):
- https://devel15.cnaf.infn.it:9000/mS8cXbg9szmcXsUETm8g2g

=====
```

- Bug #66986 : ICE must be able to print out on file the stack trace trapping SIGSEGV, SIGILL, SIGABRT etc. FIXED NOT CERTIFIED

- Bug #67097 : [yaim-wms] Removed lcg-condor-extra usage **FIXED**

- ◆ checked NORDUGRID\_GAHP is set to the right value:

```
grep NORDUGRID_GAHP /opt/glite/yaim/functions/*
/opt/glite/yaim/functions/config_condor_wms: setValue NORDUGRID_GAHP "\$(SBIN)/no
```

- Bug #68891 : ICE falls into an infinite loop when a job has expired proxy and has been submitted to a CREAM without EventQuery FIXED NOT CERTIFIED

- ◆ It is not easy to reproduce the problem.

-- AlessioGianelle - 2010-02-05

- collection-toICE: collection-toICE
- collection-toLcg: collection-toLcg
- collection-toICE: collection-toICE
- parametric-toICE: parametric-toICE
- parametric-toLcg: parametric-toLcg
- perusal-toICE: perusal-toICE
- perusal-toLcg: perusal-toLcg
- cancel-dag: cancel-dag
- jobcancel-toICE: jobcancel-toICE

- jobcancel-toLcg: jobcancel-toLcg
  - cancel-collection-toICE: cancel-collection-toICE
  - cancel-collection-toJC: cancel-collection-toJC
  - bulk\_jobs: bulk jobs to JC
  - bulk\_jobs\_toICE: bulk\_jobs\_toICE
  - brokerinfo: brokerinfo
  - brokerinfo-ICE: brokerinfo-ICE
  - yum\_install\_wms\_log\_good: yum\_install\_wms\_log
  - test\_recovery: test recovery
  - yum\_install\_wms: yum\_install\_wms
  - yaim\_conf\_wms\_log: yaim\_conf\_wms
  - test\_upgrade\_wms: test wms upgrade
  - yaim\_conf\_overwrite\_true: yaim\_conf\_wms\_overwrite
- 

This topic: EgeeJra1It > WmsTestsP3621

Topic revision: r75 - 2010-06-21 - ElisabettaMolinari



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