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# Testing report: IGIRTC-91

## Summary

- Product: **CREAM v. 1.14.1**
- Release Task: Task #31337
- ETICS Subsystem Configuration Name:
- VCS Tag: emi-cream-ce\_R\_1\_14\_2\_3
- EMI Major Release: **EMI 2 (Matterhorn)**
- Platform: **SL5 epel, SL6 epel**
- Author: Sergio Traldi
- Testing report: Testing Report file
- Certification report: Certification Report file
- Outcome: "Certified"

## Deployment tests

### Clean Installation

#### CREAM PBS

- SL5:
  - ◆ Installation log file
  - ◆ Configuration log file
- SL6:
  - ◆ Installation log file
  - ◆ Configuration log file

#### CREAM LSF

- SL5:
  - ◆ Installation log file
  - ◆ Configuration log file
- SL6:
  - ◆ Installation log file
  - ◆ Configuration log file

### Upgrade Installation

#### CREAM PBS

- SL5:
  - ◆ Update log file
  - ◆ Configuration log file

#### CREAM LSF

- SL5:
  - ◆ SL5\_LSF\_emi-cream-ce\_update.log: SL5\_LSF\_emi-cream-ce\_update.log
  - ◆ SL5\_LSF\_emi-cream-ce\_update\_config.log: SL5\_LSF\_emi-cream-ce\_update\_config.log

## Unit Tests

<http://etics-repository.cern.ch/repository/download/registered/emi/emi.cream-ce.cream-common/1.14.0/noarch/glite-ce>

## System tests

### Functionality tests

#### CREAM PBS

- Test SL5 results of Functionality tests for Torque **PASSED**

```
[traldi@cert-25 ~]$ pybot -e glue -e Job_man cream_test_suite.htmlINFO: The files of this testsuite
=====
Cream Test Suite :: This is the main testing module,needed for testing the ...
=====
Set Log Level :: Set the log level used for the test suite. This c... | PASS |
-----
Check Executables :: Check whether the needed executables for the ... | PASS |
-----
Simple Submit :: Execute /bin/uname -a.Submit the jdl and wait for... | PASS |
-----
ISB Base URI :: Execute a bash shell script.The script is stored i... | PASS |
-----
ISB Client to CE :: Execute a bash shell script.The script is stor... | PASS |
-----
ISB gsiftp to CE :: Execute a bash shell script.The script is stor... | PASS |
-----
OSB localhost :: Execute /bin/uname -a.Store std out and error str... | PASS |
-----
OSB gsiftp BaseDestURI :: Execute /bin/uname -a.Store std out and ... | PASS |
-----
OSB gsiftp DestURI :: Execute /bin/uname -a.Store std out and erro... | PASS |
-----
Environment :: Execute a bash shell script.The script is stored lo... | PASS |
-----
Epilogue :: Execute two bash shell scripts,one for the job and the... | PASS |
-----
Prologue :: Execute two bash shell scripts,one for the job and the... | PASS |
-----
Explicit Delegation :: Test job submission with explicit delegatio... | PASS |
-----
Job Cancel :: Test job cancellation.Two cases are tested:           | PASS |
-----
Job List :: Test the job listing cli utility.Store the list of the... | PASS |
-----
Job Suspend - Resume :: Submit a job and suspend it.Wait until it'... | PASS |
-----
Manually Cancel Job :: Submit a job and then manually cancel it on... | PASS |
-----
Verify CE service info :: This test case verifies the output of th... | PASS |
-----
Enable - Disable Submission :: This test case tests the proper fun... | PASS |
-----
Job Purge :: This test case verifies the proper functionality of t... | PASS |
-----
Limiter :: NOTE: This test case is about 25 minutes long!           | PASS |
-----
Ban User :: This test case tests if the banning of user works. The... | PASS |
-----
Sandbox Staging :: This test case tests the two different Sandbox ... | PASS |
-----
Automatic Proxy Purging :: This test case checks the automatic pro... | PASS |
```

```

-----
Verify Job Status Output :: This test is checking the output of th... | PASS |
-----
OutputData :: This test case tests the OutputData jdl attribute. T... | PASS |
-----
Automatic Job Purge :: This test case is testing the functionality... | PASS |
-----
Proxy Renewal :: Submit a job lasting 20 minutes using a proxy val... | PASS |
-----
CPU Allocation 1 :: Validate the contents of the batch job submiss... | PASS |
-----
CPU Allocation 2 :: Validate the contents of the batch job submiss... | PASS |
-----
CPU Allocation 3 :: Validate the contents of the batch job submiss... | PASS |
-----
CPU Allocation 4 :: Validate the contents of the batch job submiss... | PASS |
-----
CPU Allocation 5 :: Validate the contents of the batch job submiss... | PASS |
-----
CPU Allocation 6 :: Validate the contents of the batch job submiss... | PASS |
-----
Cream Test Suite :: This is the main testing module,needed for tes... | PASS |
34 critical tests, 34 passed, 0 failed
34 tests total, 34 passed, 0 failed
=====
Output: /home/traldi/output.xml
Log: /home/traldi/log.html
Report: /home/traldi/report.html

```

• Test SL6 results of Functionality tests for Torque **PASSED**

```

[traldi@cert-25 ~]$ pybot -e glue -e Job_man -e proxy_purge -e cpu_alloc cream_test_suite.html
INFO: The files of this testsuite will be stored under: /tmp/tmpID5iS7.cream_testing/
=====
Cream Test Suite :: This is the main testing module,needed for testing the ...
=====
Set Log Level :: Set the log level used for the test suite. This c... | PASS |
-----
Check Executables :: Check whether the needed executables for the ... | PASS |
-----
Simple Submit :: Execute /bin/uname -a.Submit the jdl and wait for... | PASS |
-----
ISB Base URI :: Execute a bash shell script.The script is stored i... | PASS |
-----
ISB Client to CE :: Execute a bash shell script.The script is stor... | PASS |
-----
ISB gsiftp to CE :: Execute a bash shell script.The script is stor... | PASS |
-----
OSB localhost :: Execute /bin/uname -a.Store std out and error str... | PASS |
-----
OSB gsiftp BaseDestURI :: Execute /bin/uname -a.Store std out and ... | PASS |
-----
OSB gsiftp DestURI :: Execute /bin/uname -a.Store std out and erro... | PASS |
-----
Environment :: Execute a bash shell script.The script is stored lo... | PASS |
-----
Epilogue :: Execute two bash shell scripts,one for the job and the... | PASS |
-----
Prologue :: Execute two bash shell scripts,one for the job and the... | PASS |
-----
Explicit Delegation :: Test job submission with explicit delegatio... | PASS |
-----
Job Cancel :: Test job cancellation.Two cases are tested: | PASS |
-----
Job List :: Test the job listing cli utility.Store the list of the... | PASS |
-----

```

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```
Job Suspend - Resume :: Submit a job and suspend it.Wait until it'... | PASS |
-----
Manually Cancel Job :: Submit a job and then manually cancel it on... | PASS |
-----
Verify CE service info :: This test case verifies the output of th... | PASS |
-----
Enable - Disable Submission :: This test case tests the proper fun... | PASS |
-----
Job Purge :: This test case verifies the proper functionality of t... | PASS |
-----
Limiter :: NOTE: This test case is about 25 minutes long!           | PASS |
-----
Ban User :: This test case tests if the banning of user works. The... | PASS |
-----
Sandbox Staging :: This test case tests the two different Sandbox ... | PASS |
-----
Verify Job Status Output :: This test is checking the output of th... | PASS |
-----
OutputData :: This test case tests the OutputData jdl attribute. T... | PASS |
-----
Automatic Job Purge :: This test case is testing the functionality... | PASS |
-----
Proxy Renewal :: Submit a job lasting 20 minutes using a proxy val... | PASS |
-----
Cream Test Suite :: This is the main testing module,needed for tes... | PASS |
27 critical tests, 27 passed, 0 failed
27 tests total, 27 passed, 0 failed
=====
Output: /home/traldi/output.xml
Log:    /home/traldi/log.html
Report: /home/traldi/report.html
```

### CREAM LSF

#### • Test SL5. Results of Functionality tests for LSF PASSED

```
$ pybot -e glue -e Job_man /opt/cream_test/testsuite/cream_test_suite.html
INFO: The files of this testsuite will be stored under: /tmp/tmpiKV_Yl.cream_testing/
INFO: Non-mandatory variable "sec_cert" has not been set.
INFO: Non-mandatory variable "sec_key" has not been set.
INFO: Non-mandatory variable "sec_proxy_pass" has not been set.
=====
Cream Test Suite :: This is the main testing module,needed for testing the ...
=====
Set Log Level :: Set the log level used for the test suite. This c... | PASS |
-----
Check Executables :: Check whether the needed executables for the ... | PASS |
-----
Simple Submit :: Execute /bin/uname -a.Submit the jdl and wait for... | PASS |
-----
ISB Base URI :: Execute a bash shell script.The script is stored i... | PASS |
-----
ISB Client to CE :: Execute a bash shell script.The script is stor... | PASS |
-----
ISB gsiftp to CE :: Execute a bash shell script.The script is stor... | PASS |
-----
OSB localhost :: Execute /bin/uname -a.Store std out and error str... | PASS |
-----
OSB gsiftp BaseDestURI :: Execute /bin/uname -a.Store std out and ... | PASS |
-----
OSB gsiftp DestURI :: Execute /bin/uname -a.Store std out and erro... | PASS |
-----
Environment :: Execute a bash shell script.The script is stored lo... | PASS |
-----
Epilogue :: Execute two bash shell scripts,one for the job and the... | PASS |
-----
```

## EMI2CREAMTask31337 < IGIRelease < TWiki

```
Prologue :: Execute two bash shell scripts,one for the job and the... | PASS |
-----
Explicit Delegation :: Test job submission with explicit delegatio... | PASS |
-----
Job Cancel :: Test job cancellation.Two cases are tested:          | PASS |
-----
Job List :: Test the job listing cli utility.Store the list of the... | PASS |
-----
Job Suspend - Resume :: Submit a job and suspend it.Wait until it'...
| PASS |
-----
Manually Cancel Job :: Submit a job and then manually cancel it on... | PASS |
-----
Verify CE service info :: This test case verifies the output of th... | PASS |
-----
Enable - Disable Submission :: This test case tests the proper fun... | PASS |
-----
Job Purge :: This test case verifies the proper functionality of t... | PASS |
-----
Limiter :: NOTE: This test case is about 25 minutes long!          | PASS |
-----
Ban User :: This test case tests if the banning of user works. The... | PASS |
-----
Sandbox Staging :: This test case tests the two different Sandbox ... | PASS |
-----
Automatic Proxy Purging :: This test case checks the automatic pro... | PASS |
-----
Verify Job Status Output :: This test is checking the output of th... | PASS |
-----
OutputData :: This test case tests the OutputData jdl attribute. T... | PASS |
-----
Automatic Job Purge :: This test case is testing the functionality... | PASS |
-----
Proxy Renewal :: Submit a job lasting 20 minutes using a proxy val... | PASS |
-----
CPU Allocation 1 :: Validate the contents of the batch job submiss... | PASS |
-----
CPU Allocation 2 :: Validate the contents of the batch job submiss... | PASS |
-----
CPU Allocation 3 :: Validate the contents of the batch job submiss... | PASS |
-----
CPU Allocation 4 :: Validate the contents of the batch job submiss... | PASS |
-----
CPU Allocation 5 :: Validate the contents of the batch job submiss... | PASS |
-----
CPU Allocation 6 :: Validate the contents of the batch job submiss... | PASS |
-----
Cream Test Suite :: This is the main testing module,needed for tes... | PASS |
34 critical tests, 34 passed, 0 failed
34 tests total, 34 passed, 0 failed
=====
Output: /home/bertocco/mie_certificazioni/task31337/output.xml
Log:    /home/bertocco/mie_certificazioni/task31337/log.html
Report: /home/bertocco/mie_certificazioni/task31337/report.html
```

- Test SL6 results of Functionality tests for LSF **PASSED**

## Regression tests

### Verification attached bugs for CREAM Torque

**Bug #89153 JobDBAdminPurger cannot purge jobs if CREAM DB is on another host FIXED**

**On CE node:** only the cream\_db is set in remote host.

```
[root@cream-30 ~]# grep jdbc /etc/glite-ce-cream/cream-config.xml
url="jdbc:mysql://cream-20.pd.infn.it:3306/creamdb?autoReconnect=true"
url="jdbc:mysql://localhost:3306/delegationcreamdb?autoReconnect=true"
```

```
[root@cream-30 ~]# /usr/sbin/JobDBAdminPurger.sh -s registered:pending:idle:running
log4j:WARN No appenders could be found for logger (org.glite.ce.commonj.configuration.xppm.Configuration)
log4j:WARN Please initialize the log4j system properly.
AbandonedObjectPool is used (org.apache.commons.dbcp.AbandonedObjectPool@b23b25c)
  LogAbandoned: false
  RemoveAbandoned: true
  RemoveAbandonedTimeout: 30
START jobAdminPurger
No jobs to purge!
STOP jobAdminPurger
```

**On DB node:**

```
mysql> GRANT ALL PRIVILEGES ON creamdb.* to 'glite'@'%' identified by 'omit';
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> flush privileges;
Query OK, 0 rows affected (0.00 sec)
```

**Bug # 95356 Better parsing for static definition files in lcg-info-dynamic-scheduler FIXED**

```
[root@cream-30 ~]# grep GLUE2PolicyRule /var/lib/bdii/gip/ldif/ComputingShare.ldif
GLUE2PolicyRule: VO:dteam
GLUE2PolicyRule: VO:testers.eu-emi.eu
GLUE2PolicyRule: VO:dteam
GLUE2PolicyRule: VO:testers.eu-emi.eu
GLUE2PolicyRule: wrong value
```

```
[root@cream-30 ~]# grep outputformat /etc/lrms/scheduler.conf
outputformat: both
```

```
[root@cream-30 ~]# /var/lib/bdii/gip/plugin/glite-info-dynamic-scheduler-wrapper
[root@cream-30 ~]#
```

**Bug # 95480 CREAM doesn't transfert the output files remotely under well known conditions FIXED**

**On CE Host:**

```
[root@cream-30 ~]# grep LRMS /etc/glite-ce-cream/cream-config.xml
<!-- The following parameter sets the sandbox transfer method (GSIFTP/LRMS)-->
<parameter name="SANDBOX_TRANSFER_METHOD" value="LRMS" />
<parameter name="LRMS_EVENT_LISTENER_PORT" value="49152"/>
```

```
[root@cream-30 ~]# service tomcat5 restart
Stopping tomcat5: [ OK ]
Starting tomcat5: [ OK ]
```

**From UI:**

```
[traldis@cert-25 ~]$ glite-wms-job-submit -e https://wms-multi.grid.cnaf.infn.it:7443/glite_wms_wm
```



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Connecting to the service [https://prod-wms-02.ct.infn.it:7443/glite\\_wms\\_wmproxy\\_server](https://prod-wms-02.ct.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://prod-wms-02.ct.infn.it:9000/03ZQrwN31II\\_d4p\\_Gsje3Q](https://prod-wms-02.ct.infn.it:9000/03ZQrwN31II_d4p_Gsje3Q)

=====

```
[traldis@cert-25 ~]$ glite-wms-job-status https://prod-wms-02.ct.infn.it:9000/03ZQrwN31II_d4p_Gsje3Q
/usr/lib64/python
```

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

BOOKKEEPING INFORMATION:

```
Status info for the Job : https://prod-wms-02.ct.infn.it:9000/03ZQrwN31II_d4p_Gsje3Q
Current Status:      Done (Success)
Exit code:           0
Status Reason:      Job Terminated Successfully
Destination:        cream-30.pd.infn.it:8443/cream-pbs-cert
Submitted:          Tue Aug 28 15:12:29 2012 CEST
```

=====

```
[traldis@cert-25 ~]$ glite-wms-job-output https://prod-wms-02.ct.infn.it:9000/03ZQrwN31II_d4p_Gsje3Q
```

Connecting to the service [https://prod-wms-02.ct.infn.it:7443/glite\\_wms\\_wmproxy\\_server](https://prod-wms-02.ct.infn.it:7443/glite_wms_wmproxy_server)

=====

JOB GET OUTPUT OUTCOME

Output sandbox files for the job:  
[https://prod-wms-02.ct.infn.it:9000/03ZQrwN31II\\_d4p\\_Gsje3Q](https://prod-wms-02.ct.infn.it:9000/03ZQrwN31II_d4p_Gsje3Q)  
have been successfully retrieved and stored in the directory:  
[/tmp/jobOutput/traldis\\_03ZQrwN31II\\_d4p\\_Gsje3Q](/tmp/jobOutput/traldis_03ZQrwN31II_d4p_Gsje3Q)

=====

```
[traldis@cert-25 ~]$ cat /tmp/jobOutput/traldis_03ZQrwN31II_d4p_Gsje3Q/stdout
Test bug 95480
```

### **Bug #95552 Malformed URL from glite-ce-glue2-endpoint-static FIXED**

```
[root@cream-30 ~]# /usr/libexec/glite-ce-glue2-endpoint-static /etc/glite-ce-glue2/glite-ce-glue2
GLUE2EndpointURL: https://cream-30.pd.infn.it:8443/ce-cream/services
```

### **Bug #95593 CREAM cannot insert in the command queue if the length of the localUser field is > 14 chars FIXED**

#### **From CE:**

Remember to delete the user dteam\* from /etc/passwd and if you submit job before this test my hint is to delete the contents of /etc/grid-security/gridmapdir

```
[root@cream-30 siteinfo]# grep dteam users.conf
18118:dteamlonguser001:2688:dteam:dteam::
18119:dteamlonguser002:2688:dteam:dteam::
```

### **Bug # 95480 CREAM doesn't transfer the output files remotely under well known conditions FIXED7**

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```
50501:prddtmlonguser01:2689,2688:dteamprd,dteam:dteam:prd
50502:prddtmlonguser02:2689,2688:dteamprd,dteam:dteam:prd
60501:sgmdtmlonguser01:2690,2688:dteamsgm,dteam:dteam:sgm
60502:sgmdtmlonguser02:2690,2688:dteamsgm,dteam:dteam:sgm
```

```
[root@cream-30 ~]# /opt/glite/yaim/bin/yaim -c -d 6 -s /root/siteinfo/site-info.def -n creamCE -n
```

```
[root@cream-30 siteinfo]# grep dteam /etc/passwd
dteamlonguser001:x:18118:2688:mapped user for group dteam:/home/dteamlonguser001:/bin/bash
dteamlonguser002:x:18119:2688:mapped user for group dteam:/home/dteamlonguser002:/bin/bash
prddtmlonguser01:x:50501:2689:mapped user for group dteamprd:/home/prddtmlonguser01:/bin/bash
prddtmlonguser02:x:50502:2689:mapped user for group dteamprd:/home/prddtmlonguser02:/bin/bash
sgmdtmlonguser01:x:60501:2690:mapped user for group dteamsgm:/home/sgmdtmlonguser01:/bin/bash
sgmdtmlonguser02:x:60502:2690:mapped user for group dteamsgm:/home/sgmdtmlonguser02:/bin/bash
```

Note you have also to reconfigure with that users.conf the WNs in your cluster.

### From UI:

```
[traldi@cert-25 ~]$ glite-ce-job-submit -r cream-30.pd.infn.it:8443/cream-pbs-cert -a simple2.jdl
https://cream-30.pd.infn.it:8443/CREAM678472851
```

```
[traldi@cert-25 ~]$ glite-ce-job-status -L 2 https://cream-30.pd.infn.it:8443/CREAM678472851
```

```
***** JobID=[https://cream-30.pd.infn.it:8443/CREAM678472851]
Current Status = [REALLY-RUNNING]
Working Dir    = [[reserved]]
Grid JobID     = [N/A]
LRMS Abs JobID = [[reserved]]
LRMS JobID    = [[reserved]]
Deleg Proxy ID = [60007c291353a7124c2b712fdca6fd3977226120]
DelegProxyInfo = [[ isRFC="false"; valid from="8/30/12 9:37 AM (GMT)"; valid to="8/30/12
Worker Node    = [N/A]
Local User     = [dteamlonguser002]
CREAM ISB URI  = [gsiftp://cream-30.pd.infn.it/var/cream_sandbox/dteam/CN_Sergio_Traldi_L
CREAM OSB URI  = [gsiftp://cream-30.pd.infn.it/var/cream_sandbox/dteam/CN_Sergio_Traldi_L
JDL            = [[ BatchSystem = "pbs"; QueueName = "cert"; Executable = "/bin/sleep"; A
Type           = [normal]
```

#### Job status changes:

```
-----
Status      = [REGISTERED] - [Thu 30 Aug 2012 11:42:11] (1346319731)
Status      = [PENDING]   - [Thu 30 Aug 2012 11:42:12] (1346319732)
Status      = [RUNNING]   - [Thu 30 Aug 2012 11:42:15] (1346319735)
Status      = [REALLY-RUNNING] - [Thu 30 Aug 2012 11:42:15] (1346319735)
```

#### Issued Commands:

```
-----
*** Command Name      = [JOB_REGISTER]
Command Category     = [JOB_MANAGEMENT]
Command Status       = [SUCCESSFULL]
Creation Time        = [Thu 30 Aug 2012 11:42:11] (1346319731)
Start Scheduling Time = [Thu 30 Aug 2012 11:42:11] (1346319731)
Start Processing Time = [Thu 30 Aug 2012 11:42:11] (1346319731)
Execution Completed Time = [Thu 30 Aug 2012 11:42:11] (1346319731)
```

```
*** Command Name      = [JOB_START]
Command Category     = [JOB_MANAGEMENT]
Command Status       = [CREATED]
Creation Time        = [Thu 30 Aug 2012 11:42:11] (1346319731)
Start Scheduling Time = [Thu 30 Aug 2012 11:42:12] (1346319732)
Start Processing Time = [Thu 30 Aug 2012 11:42:12] (1346319732)
```

Bug #95593 CREAM cannot insert in the command queue if the lenght of the localUser field is > 148chars FI

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```
[traldi@cert-25 ~]$ glite-ce-job-status https://cream-30.pd.infn.it:8443/CREAM678472851
```

```
***** JobID=[https://cream-30.pd.infn.it:8443/CREAM678472851]
        Status      = [DONE-OK]
        ExitCode    = [0]
```

### **Bug #96055 Wrong DN format in logfiles for accounting FIXED**

#### **From UI:**

```
[traldi@cert-25 ~]$ glite-ce-job-submit -r cream-30.pd.infn.it:8443/cream-pbs-cert -a simple.jdl
https://cream-30.pd.infn.it:8443/CREAM382717553
```

```
[traldi@cert-25 ~]$ glite-ce-job-status https://cream-30.pd.infn.it:8443/CREAM382717553
```

```
***** JobID=[https://cream-30.pd.infn.it:8443/CREAM382717553]
        Status      = [DONE-OK]
        ExitCode    = [0]
```

#### **From CE:**

```
[root@cream-30 ~]# tail -10 /var/log/cream/accounting/blahp.log-20120829
"timestamp=2012-08-29 07:57:14" "userDN=/C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Sergio T
```

### **Bug #93091 Add some resubmission machinery to CREAM FIXED**

#### **From UI:**

```
[traldi@cert-25 ~]$ glite-ce-job-submit -r cream-30.pd.infn.it:8443/cream-pbs-cert -a simple2.jdl
https://cream-30.pd.infn.it:8443/CREAM406480779
```

```
[traldi@cert-25 ~]$ glite-ce-job-status https://cream-30.pd.infn.it:8443/CREAM406480779
```

```
***** JobID=[https://cream-30.pd.infn.it:8443/CREAM406480779]
        Status      = [PENDING]
```

#### **From CE:**

```
[root@cream-30 siteinfo]# grep sleep /usr/libexec/pbs_submit.sh
sleep 10m
```

```
[root@cream-30 siteinfo]# tail -f /var/log/cream/glite-ce-cream.log
30 Aug 2012 11:59:55,508 org.glite.ce.commonj.authz.gjaf.VomsServicePDP - VOMS attribute authoriz
30 Aug 2012 11:59:55,516 org.glite.ce.commonj.authz.axis2.AuthorizationHandler - request for OPER
30 Aug 2012 11:59:55,517 org.glite.ce.cream.cmdmanagement.CommandManager - new command [NAME="JOB
30 Aug 2012 12:02:25,785 org.glite.ce.creamapi.jobmanagement.db.DBInfoManager - set submissionEna
30 Aug 2012 12:02:25,785 org.glite.ce.creamapi.jobmanagement.cmdexecutor.JobSubmissionManager - A
30 Aug 2012 12:02:55,290 org.glite.ce.creamapi.jobmanagement.cmdexecutor.AbstractJobExecutor - su
```

### **Verification attached bugs for CREAM LSF**

**Bug # 95356 Better parsing for static definition files in lcg-info-dynamic-scheduler SL5 FIXED**

The files of this testsuite will be stored under: /tmp/tmploVIdF.cream\_testing/  
 =====

Bug 95356 :: Regression test of bug #95356 Better parsing for static defini...  
 =====

Set Log Level :: Set the log level used for the test suite. This c... | PASS |  
 -----

bug\_95356 | PASS |  
 -----

Suite Teardown :: Restore original file on CREAM CE | PASS |  
 -----

Bug 95356 :: Regression test of bug #95356 Better parsing for stat... | PASS |

3 critical tests, 3 passed, 0 failed

3 tests total, 3 passed, 0 failed  
 =====

Output: /home/bertocco/mie\_certificazioni/task31337/italiangrid-cream\_blah\_testsuites-c80a30e/cr

Log: /home/bertocco/mie\_certificazioni/task31337/italiangrid-cream\_blah\_testsuites-c80a30e/cr

Report: /home/bertocco/mie\_certificazioni/task31337/italiangrid-cream\_blah\_testsuites-c80a30e/cr

- Test report logs here.

**Bug # 95480 CREAM doesn't transfert the output files remotely under well known conditions SL5 FIXED**

On CE:

```
# grep SANDBOX_TRANSFER_METHOD /etc/glite-ce-cream/cream-config.xml
  <parameter name="SANDBOX_TRANSFER_METHOD" value="LRMS" /># service tomcat5 restart
```

```
# service tomcat5 restart
```

```
Stopping tomcat5: [ OK ]
```

```
Starting tomcat5: [ OK ]
```

On UI:

```
$ cat bug95480.jdl
```

```
[
Type = "Job";
#VAR1 = "test1";
#VAR2 = "test2";
executable = "/bin/echo";
Arguments = "hello world!!!";
StdOutput="stdout";
StdError="stderr";
OutputSandbox = {"stdout","stderr"};
]
```

```
$ cat bug95480.conf
```

```
[
WmsClient = [
Requirements = (other.GlueCEInfoHostName == "cream-20.pd.infn.it");
#requirements = other.GlueCEStateStatus == "Production";
rank --other.GlueCEStateEstimatedResponseTime ;
WMPProxyEndPoints = {"https://wms01.grid.hep.ph.ic.ac.uk:7443/glite_wms_wmproxy_server"};
#WMPProxyEndPoints = {"https://prod-wms-01.pd.infn.it:7443/glite_wms_wmproxy_server"};
VirtualOrganisation = "dteam";
MyProxyServer = "myproxy.cnaf.infn.it";
];
]
```

```
$ glite-wms-job-submit -a -c bug95480.conf -r cream-20.pd.infn.it:8443/cream-lsf-cert bug95480.jdl
```

```
Connecting to the service https://wms01.grid.hep.ph.ic.ac.uk:7443/glite_wms_wmproxy_server
```

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

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

<https://wmslb01.grid.hep.ph.ic.ac.uk:9000/obrIyblaAuDh0yCbY7LgTQ>

=====

```
$ glite-wms-job-status https://wmslb01.grid.hep.ph.ic.ac.uk:9000/obrIyblaAuDh0yCbY7LgTQ
```

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

BOOKKEEPING INFORMATION:

Status info for the Job : <https://wmslb01.grid.hep.ph.ic.ac.uk:9000/obrIyblaAuDh0yCbY7LgTQ>

Current Status: Done (Success)

Logged Reason(s):

- job completed
- Job Terminated Successfully

Exit code: 0

Status Reason: Job Terminated Successfully

Destination: cream-20.pd.infn.it:8443/cream-lsf-cert

Submitted: Mon Aug 13 13:45:02 2012 CEST

=====

```
$ glite-wms-job-output https://wmslb01.grid.hep.ph.ic.ac.uk:9000/obrIyblaAuDh0yCbY7LgTQ
```

Connecting to the service [https://wms01.grid.hep.ph.ic.ac.uk:7443/glite\\_wms\\_wmproxy\\_server](https://wms01.grid.hep.ph.ic.ac.uk:7443/glite_wms_wmproxy_server)

=====

JOB GET OUTPUT OUTCOME

Output sandbox files for the job:

<https://wmslb01.grid.hep.ph.ic.ac.uk:9000/obrIyblaAuDh0yCbY7LgTQ>

have been successfully retrieved and stored in the directory:

/tmp/jobOutput/bertocco\_obrIyblaAuDh0yCbY7LgTQ

=====

```
$ cat /tmp/jobOutput/bertocco_obrIyblaAuDh0yCbY7LgTQ/stdout
```

hello world!!!

### Bug # 95552 Malformed URL from glite-ce-glue2-endpoint-static SL5 FIXED

The files of this testsuite will be stored under: /tmp/tmpb2aXuu.cream\_testing/

=====

Bug 95552 :: Regression test of bug #83338 endpointType (in GLUE2ServiceCom...

=====

Set Log Level :: Set the log level used for the test suite. This c... | PASS |

-----

Check Executables :: Check whether the needed executables for the ... | PASS |

-----

bug\_95552 | PASS |

-----

Bug 95552 :: Regression test of bug #83338 endpointType (in GLUE2S... | PASS |

3 critical tests, 3 passed, 0 failed

3 tests total, 3 passed, 0 failed

=====

Output: /home/bertocco/mie\_certificazioni/task31337/italiangrid-cream\_blah\_testsuites-c80a30e/cr

Log: /home/bertocco/mie\_certificazioni/task31337/italiangrid-cream\_blah\_testsuites-c80a30e/cr

Report: /home/bertocco/mie\_certificazioni/task31337/italiangrid-cream\_blah\_testsuites-c80a30e/cr

- Test report logs here.

Bug # 95480 CREAM doesn't transfert the output files remotely under well known conditions SL5 FIXED

**Bug #96055 Wrong DN format in logfiles for accounting FIXED**

**From UI:**

```
[traldis@cert-25 ~]$ glite-ce-job-submit -r cream-20.pd.infn.it:8443/cream-lsf-cert -a simple.jdl
https://cream-20.pd.infn.it:8443/CREAM005725930
```

```
[traldis@cert-25 ~]$ glite-ce-job-status https://cream-20.pd.infn.it:8443/CREAM005725930
```

```
***** JobID=[https://cream-20.pd.infn.it:8443/CREAM005725930]
        Status      = [IDLE]
```

```
[traldis@cert-25 ~]$ glite-ce-job-status https://cream-20.pd.infn.it:8443/CREAM005725930
```

```
***** JobID=[https://cream-20.pd.infn.it:8443/CREAM005725930]
        Status      = [DONE-OK]
        ExitCode    = [0]
```

**From CE:**

```
[root@cream-20 ~]# tail -10 /var/log/cream/accounting/blahp.log-20120830
"timestamp=2012-08-30 14:32:19" "userDN=/C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Sergio T
```

**Bug #93091 Add some resubmission machinery to CREAM FIXED**

**From UI:**

```
[traldis@cert-25 ~]$ glite-ce-job-submit -r cream-20.pd.infn.it:8443/cream-lsf-cert -a simple.jdl
https://cream-20.pd.infn.it:8443/CREAM122613009
```

```
[traldis@cert-25 ~]$ glite-ce-job-status https://cream-20.pd.infn.it:8443/CREAM122613009
```

```
***** JobID=[https://cream-20.pd.infn.it:8443/CREAM122613009]
        Status      = [PENDING]
```

**From CE:**

```
[root@cream-20]# grep sleep /usr/libexec/lsf_submit.sh
sleep 10m
```

```
[root@cream-20 ~]# tail -f /var/log/cream/glite-ce-cream.log
30 Aug 2012 16:38:42,248 org.glite.ce.commonj.authz.axis2.AuthorizationHandler - request for OPER
30 Aug 2012 16:38:42,249 org.glite.ce.cream.cmdmanagement.CommandManager - new command [NAME="JOB
30 Aug 2012 16:39:28,778 org.glite.ce.creamapi.jobmanagement.db.DBInfoManager - set submissionEna
30 Aug 2012 16:39:28,778 org.glite.ce.creamapi.jobmanagement.cmdexecutor.JobSubmissionManager - A
30 Aug 2012 16:42:08,528 org.glite.ce.creamapi.jobmanagement.cmdexecutor.AbstractJobExecutor - su
```

**Verification of old bugs for CREAM LSF**

**Bug #69857 Job submission to CreamCE is enabled by restart of service even if it was previously disabled FIXED**

```
=====
Bug 69857 :: Regression test of bug #69857: Job submission to CreamCE is en...
=====
Set Log Level :: Set the log level used for the test suite. This c... | PASS |
-----
Check Executables :: Check whether the needed executables for the ... | PASS |
```

```
-----  
bug_69857 | PASS |  
-----  
Bug 69857 :: Regression test of bug #69857: Job submission to Crea... | PASS |  
3 critical tests, 3 passed, 0 failed  
3 tests total, 3 passed, 0 failed  
=====
```

• Reports here

**Bug #83238 Sometimes CREAM does not update the state of a failed job. SL5 FIXED**

```
=====  
Bug 83238 :: Regression test of bug #83238 Sometimes CREAM does not update ...  
=====  
Set Log Level :: Set the log level used for the test suite. This c... | PASS |  
-----  
Check Executables :: Check whether the needed executables for the ... | PASS |  
-----  
bug_83238 | PASS |  
-----  
Bug 83238 :: Regression test of bug #83238 Sometimes CREAM does no... | PASS |  
3 critical tests, 3 passed, 0 failed  
3 tests total, 3 passed, 0 failed  
=====
```

Reports here

**Bug #83338 endpointType (in GLUE2ServiceComplexity) hardwired to 1 in CREAM CE is not always correct SL5 FIXED**

```
=====  
Bug 83338 :: Regression test of bug #83338 endpointType (in GLUE2ServiceCom...  
=====  
Set Log Level :: Set the log level used for the test suite. This c... | PASS |  
-----  
Check Executables :: Check whether the needed executables for the ... | PASS |  
-----  
bug_83338 | PASS |  
-----  
Bug 83338 :: Regression test of bug #83338 endpointType (in GLUE2S... | PASS |  
3 critical tests, 3 passed, 0 failed  
3 tests total, 3 passed, 0 failed  
=====
```

**Bug #83592 CREAM client doesn't allow the delegation of RFC proxies SL5 FIXED**

```
$ /usr/bin/voms-proxy-init -pwstdin --voms testers.eu-emi.eu -rfc  
Your identity: /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Sara Bertocco  
Creating temporary proxy ..... Done  
Contacting emitestbed01.cnaf.infn.it:15002 [/C=IT/O=INFN/OU=Host/L=CNAF/CN=emitestbed01.cnaf.infn.it]  
Creating proxy ..... Done  
  
Your proxy is valid until Wed Sep 5 03:55:44 2012  
  
$ glite-ce-job-submit -r cream-20.pd.infn.it:8443/cream-lsf-cert -a /home/bertocco/jdl/test.jdl  
https://cream-20.pd.infn.it:8443/CREAM612979110  
  
$ glite-ce-job-status https://cream-20.pd.infn.it:8443/CREAM612979110  
  
***** JobID=[https://cream-20.pd.infn.it:8443/CREAM612979110]  
Status = [DONE-OK]  
ExitCode = [0]
```

Bug #69857 Job submission to CreamCE is enabled by restart of service even if it was previously disabled

**Bug #83593 Problems limiting RFC proxies in CREAM SL5 FIXED**

Same test as for bug #83592

**Bug#84374 yaim-cream-ce: GlueForeignKey: GlueCEUniqueID: published using : instead of=. SL5 FIXED**

```
=====  
Bug 84374 :: Regression test of Bug #84374 yaim-cream-ce: GlueForeignKey: G...  
=====  
Set Log Level :: Set the log level used for the test suite. This c... | PASS |  
-----  
bug_84374 | PASS |  
-----  
Bug 84374 :: Regression test of Bug #84374 yaim-cream-ce: GlueFore... | PASS |  
2 critical tests, 2 passed, 0 failed  
2 tests total, 2 passed, 0 failed  
=====
```

**Bug#86191 No info published by the lcg-info-dynamic-scheduler for one VOView SL5 FIXED**

```
=====  
Bug 86191 :: Regression test of Bug #86191 No info published by the lcg-inf...  
=====  
Set Log Level :: Set the log level used for the test suite. This c... | PASS |  
-----  
bug_86191 | PASS |  
-----  
Bug 86191 :: Regression test of Bug #86191 No info published by th... | PASS |  
2 critical tests, 2 passed, 0 failed  
2 tests total, 2 passed, 0 failed  
=====
```

**Bug#87492 CREAM doesn't handle correctly the jdl attribute "environment". SL5 FIXED**

```
=====  
Bug 87492 :: Regression test of bug #87492 CREAM doesn't handle correctly t...  
=====  
Set Log Level :: Set the log level used for the test suite. This c... | PASS |  
-----  
bug_87492 | PASS |  
-----  
Bug 87492 :: Regression test of bug #87492 CREAM doesn't handle co... | PASS |  
2 critical tests, 2 passed, 0 failed  
2 tests total, 2 passed, 0 failed  
=====
```

**Bug#95356 Better parsing for static definition files in lcg-info-dynamic-scheduler. SL5 FIXED**

```
=====  
Bug 95356 :: Regression test of bug #95356 Better parsing for static defini...  
=====  
Set Log Level :: Set the log level used for the test suite. This c... | PASS |  
-----  
bug_95356 | PASS |  
-----  
Suite Teardown :: Restore original file on CREAM CE | PASS |  
-----  
Bug 95356 :: Regression test of bug #95356 Better parsing for stat... | PASS |  
3 critical tests, 3 passed, 0 failed  
3 tests total, 3 passed, 0 failed  
=====
```











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

```
=====
FAIL: Validating data types.
-----
```

```
Traceback (most recent call last):
```

```
File "/usr/lib/python2.4/site-packages/validator/EntryTest.py", line 60, in test_data_types
    self.assertTrue(check(value), message)
```

```
AssertionError: The field GLUE2EndpointCapability with value 'information.publication' does not f
```

```
-----
Ran 136 tests in 0.016s
```

```
FAILED (failures=1)
```

## Integration testing

Tests described:

- <https://twiki.cern.ch/twiki/bin/view/EMI/EmiJra1TaskForceIntegrationTesting>
  - ◆ test 2: "CEMon to use Argus for authorization "
    - ◇ NA
  - ◆ test 3: "CREAM jobs executed under different backends is properly treated by APEL client "
    - ◇ PASSED - proven by functionality tests of different CREAM + LSF, TORQUE, SGE modules
  - ◆ test 16: "Do authorization filtering based on VOMS attributes and ARGUS authorization" \*
    - NA

---

This topic: IGIRelease > EMI2CREAMTask31337

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