

Table of Contents

CREAM v. 1.14.5 - Testing report SL5: IGIRTC-157.....	1
Summary.....	1
Deployment tests.....	1
Clean Installation.....	1
CREAM PBS.....	1
CREAM LSF.....	1
Upgrade Installation.....	1
CREAM PBS.....	1
CREAM LSF.....	1
Unit Tests.....	1
System tests.....	1
Functionality tests.....	1
CREAM LSF.....	1
Regression tests.....	3
Bug #CREAM-111 Wrong tokenization for epilogue argument list FIXED.....	3
Bug #CREAM-101 Wrong time format for MaxWallClockTime FIXED.....	4
Bug #CREAM-99 Python error on ERT calculation: local variable 'est' referenced before assignment FIXED.....	4
Bug #CREAM-84 The DelegationPurger may cause a java.lang.OutOfMemoryError exception FIXED.....	7
Bug #CREAM-83 CREAM should be able to immediately kill also queued jobs, when the proxy is expiring FIXED.....	8
Bug #CREAM-82 Check permission for /var/cream_sandbox FIXED.....	9
Bug #CREAM-78 Check for /etc/lrms in config_cream_gip_scheduler_plugin FIXED.....	10
Bug #CREAM-77 List index error from persistent estimator FIXED.....	10
Bug #CREAM-75 CREAM should avoid to log the error messages by including even the full stack trace (i.e printStackTrace()) FIXED.....	11
Standard conformance tests.....	11
Glue 1 Compliance - PASSED.....	11
Glue 2 Compliance - PASSED.....	14
Performance and scalability tests.....	20
Integration testing.....	20

CREAM v. 1.14.5 - Testing report SL5: IGIRTC-157

Summary

- Product: **CREAM v. 1.14.5**
- Release Task: IGIRTC-157
- ETICS Subsystem Configuration Name:
- VCS Tag:
- EMI Major Release: **EMI 2 (Matterhorn)**
- Platform: **SL5 epel**
- Author: Sergio Traldi
- Testing report: Testing Report file
- Certification report: Certification Report file
- Outcome: "Certified"

Deployment tests

Clean Installation

CREAM PBS

- ♦ Installation log file
- ♦ Configuration log file

CREAM LSF

- ♦ Installation log file
- ♦ Configuration log file

Upgrade Installation

CREAM PBS

- ♦ Update log file
- ♦ Configuration log file

CREAM LSF

- ♦ Update log file
- ♦ Configuration log file

Unit Tests

System tests

Functionality tests

CREAM LSF

```
[traldi@cert-16 ~]$ pybot -e glue /opt/cream_test/testsuite/cream_test_suite.html  
INFO: The files of this testsuite will be stored under: /tmp/tmpPihwxD.cream_testing/
```

EMI2CREAMTaskIGIRTC157SL5 < IGIRRelease < TWiki

```
=====  
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 |  
-----  
Admin Manage Job :: This test case checks whether a user can manag... | 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 |  
-----
```

EMI2CREAMTaskIGIRTC157SL5 < IGIRRelease < TWiki

```
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 |
-----
Resource BDII :: Check if the resource bdii publishes all the rele... | PASS |
-----
Logging and Bookkeeping :: Check if the logging and bookkeeping se... | PASS |
-----
Old BLParser Restart :: Configure a CREAM CE using the old blah bl... | PASS |
-----
Cream Test Suite :: This is the main testing module,needed for tes... | PASS |
38 critical tests, 38 passed, 0 failed
38 tests total, 38 passed, 0 failed
=====
Output: /home/traldi/output.xml
Log: /home/traldi/log.html
Report: /home/traldi/report.html
```

- Functionality testsuite log

Regression tests

Bug #CREAM-111 Wrong tokenization for epilogue argument list FIXED

From UI:

```
[traldi@cert-16 ~]$ globus-url-copy -vb file:///home/traldi/epilogue.sh gsiftp://cert-34.pd.infn.it:2811/tmp/epilogue.sh
Source: file:///home/traldi/epilogue.sh
Dest: gsiftp://cert-34.pd.infn.it:2811/tmp/epilogue.sh
77 bytes 0.00 MB/sec avg 0.00 MB/sec inst
```

```
[traldi@cert-16 ~]$ cat epilogueCream.jdl
[
executable="/bin/sleep";
arguments="15";
inputsandbox={"gsiftp://cert-34.pd.infn.it/tmp/epilogue.sh"};
outputsandbox={"*.txt"};
outputsandboxbasedesturi="gsiftp://cert-34.pd.infn.it/tmp/epilogue.sh";
epilogue="epilogue.sh";
epiloguearguments="A B";
]
```

```
[traldi@cert-16 ~]$ glite-ce-job-submit -r cert-34.pd.infn.it:8443/cream-pbs-cert -a epilogueCream https://cert-34.pd.infn.it:8443/CREAM684285300
```

```
[traldi@cert-16 ~]$ glite-ce-job-status https://cert-34.pd.infn.it:8443/CREAM684285300
```

```
***** JobID=[https://cert-34.pd.infn.it:8443/CREAM684285300]
Status = [DONE-OK]
ExitCode = [0]
```

```
[traldi@cert-16 ~]$ globus-url-copy gsiftp://cert-34.pd.infn.it:2811/tmp/epilogue.txt file:///home/traldi/epilogue.txt
```

```
[traldi@cert-16 ~]$ cat epilogue.txt
arg1 = A
arg2 = B
```

Bug #CREAM-101 Wrong time format for MaxWallClockTime FIXED

From UI:

```
[traldi@cert-16 ~]$ ldapsearch -x -H ldap://cert-34.pd.infn.it:2170 -b o=grid | grep GlueCEPolicy
GlueCEPolicyMaxWallClockTime: 4320
GlueCEPolicyMaxWallClockTime: 4320
GlueCEPolicyMaxWallClockTime: 4320
```

```
[traldi@cert-16 ~]$ ldapsearch -x -H ldap://cert-34.pd.infn.it:2170 -b o=grid | grep GlueCEPolicy
GlueCEPolicyMaxObtainableWallClockTime: 4320
GlueCEPolicyMaxObtainableWallClockTime: 4320
GlueCEPolicyMaxObtainableWallClockTime: 4320
```

```
[traldi@cert-16 ~]$ ldapsearch -x -H ldap://cert-34.pd.infn.it:2170 -b o=glue | grep GLUE2Computi
GLUE2ComputingShareDefaultWallTime: 259200
GLUE2ComputingShareDefaultWallTime: 259200
GLUE2ComputingShareDefaultWallTime: 259200
GLUE2ComputingShareDefaultWallTime: 259200
GLUE2ComputingShareDefaultWallTime: 259200
GLUE2ComputingShareDefaultWallTime: 259200
GLUE2ComputingShareDefaultWallTime: 259200
```

```
[traldi@cert-16 ~]$ ldapsearch -x -H ldap://cert-34.pd.infn.it:2170 -b o=glue | grep GLUE2Computi
GLUE2ComputingShareMaxWallTime: 259200
GLUE2ComputingShareMaxWallTime: 259200
GLUE2ComputingShareMaxWallTime: 259200
GLUE2ComputingShareMaxWallTime: 259200
GLUE2ComputingShareMaxWallTime: 259200
GLUE2ComputingShareMaxWallTime: 259200
GLUE2ComputingShareMaxWallTime: 259200
```

From CE:

```
[root@cert-34 ~]# qmgr -c 'list queue cert' | grep walltime
resources_max.walltime = 72:00:00
```

Bug #CREAM-99 Python error on ERT calculation: local variable 'est' referenced before assignment FIXED

From UI:

```
[traldi@cert-16 ~]$ for i in `seq 1 15`; do echo $i; glite-ce-job-submit -r cert-34.pd.infn.it:8443
1
https://cert-34.pd.infn.it:8443/CREAM744924545
2
https://cert-34.pd.infn.it:8443/CREAM749540384
3
https://cert-34.pd.infn.it:8443/CREAM196536007
4
https://cert-34.pd.infn.it:8443/CREAM746463684
5
https://cert-34.pd.infn.it:8443/CREAM984066950
6
https://cert-34.pd.infn.it:8443/CREAM577358140
7
https://cert-34.pd.infn.it:8443/CREAM644276848
8
https://cert-34.pd.infn.it:8443/CREAM373931233
9
https://cert-34.pd.infn.it:8443/CREAM599102369
10
https://cert-34.pd.infn.it:8443/CREAM100225893
11
https://cert-34.pd.infn.it:8443/CREAM413125528
12
```

EMI2CREAMTaskIGIRTC157SL5 < IGIRelease < TWiki

<https://cert-34.pd.infn.it:8443/CREAM028758552>
 13
<https://cert-34.pd.infn.it:8443/CREAM620119896>
 14
<https://cert-34.pd.infn.it:8443/CREAM763809799>
 15
<https://cert-34.pd.infn.it:8443/CREAM096151125>

From CE:

```

[root@cert-34 ~]# qstat -Q
Queue           Max  Tot  Ena  Str  Que  Run  Hld  Wat  Trn  Ext  T
-----
cms              0    0  yes  yes   0    0    0    0    0    0  E
cert             0    0  yes  yes   0    0    0    0    0    0  E
grid            0    0  yes  yes   0    0    0    0    0    0  E
[root@cert-34 ~]# qstat -Q
Queue           Max  Tot  Ena  Str  Que  Run  Hld  Wat  Trn  Ext  T
-----
cms              0    0  yes  yes   0    0    0    0    0    0  E
cert             0    0  yes  yes   0    0    0    0    0    0  E
grid            0    0  yes  yes   0    0    0    0    0    0  E
[root@cert-34 ~]# qstat -Q
Queue           Max  Tot  Ena  Str  Que  Run  Hld  Wat  Trn  Ext  T
-----
cms              0    0  yes  yes   0    0    0    0    0    0  E
cert             0    0  yes  yes   0    0    0    0    0    0  E
grid            0    0  yes  yes   0    0    0    0    0    0  E
[root@cert-34 ~]# qstat -Q
Queue           Max  Tot  Ena  Str  Que  Run  Hld  Wat  Trn  Ext  T
-----
cms              0    0  yes  yes   0    0    0    0    0    0  E
cert             0    1  yes  yes   1    0    0    0    0    0  E
grid            0    0  yes  yes   0    0    0    0    0    0  E
[root@cert-34 ~]# qstat -Q
Queue           Max  Tot  Ena  Str  Que  Run  Hld  Wat  Trn  Ext  T
-----
cms              0    0  yes  yes   0    0    0    0    0    0  E
cert             0    1  yes  yes   0    1    0    0    0    0  E
grid            0    0  yes  yes   0    0    0    0    0    0  E
[root@cert-34 ~]# qstat -Q
Queue           Max  Tot  Ena  Str  Que  Run  Hld  Wat  Trn  Ext  T
-----
cms              0    0  yes  yes   0    0    0    0    0    0  E
cert             0    2  yes  yes   0    2    0    0    0    0  E
grid            0    0  yes  yes   0    0    0    0    0    0  E
[root@cert-34 ~]# qstat -Q
Queue           Max  Tot  Ena  Str  Que  Run  Hld  Wat  Trn  Ext  T
-----
cms              0    0  yes  yes   0    0    0    0    0    0  E
cert             0    3  yes  yes   1    2    0    0    0    0  E
grid            0    0  yes  yes   0    0    0    0    0    0  E
[root@cert-34 ~]# qstat -Q
Queue           Max  Tot  Ena  Str  Que  Run  Hld  Wat  Trn  Ext  T
-----
cms              0    0  yes  yes   0    0    0    0    0    0  E
cert             0    3  yes  yes   0    3    0    0    0    0  E
grid            0    0  yes  yes   0    0    0    0    0    0  E
[root@cert-34 ~]# qstat -Q
Queue           Max  Tot  Ena  Str  Que  Run  Hld  Wat  Trn  Ext  T
-----
cms              0    0  yes  yes   0    0    0    0    0    0  E
cert             0    4  yes  yes   1    3    0    0    0    0  E
grid            0    0  yes  yes   0    0    0    0    0    0  E
[root@cert-34 ~]# qstat -Q
Queue           Max  Tot  Ena  Str  Que  Run  Hld  Wat  Trn  Ext  T
-----

```

Bug #CREAM-99 Python error on ERT calculation: local variable 'est' referenced before assignment5FIXED

EMI2CREAMTaskIGIRTC157SL5 < IGIRelease < TWiki

```

-----
cms          0      0  yes  yes    0      0      0      0      0      0 E
cert         0      4  yes  yes    0      4      0      0      0      0 E
grid         0      0  yes  yes    0      0      0      0      0      0 E
[root@cert-34 ~]# qstat -Q
Queue        Max    Tot   Ena   Str   Que   Run   Hld   Wat   Trn   Ext T
-----
cms          0      0  yes  yes    0      0      0      0      0      0 E
cert         0      5  yes  yes    1      4      0      0      0      0 E
grid         0      0  yes  yes    0      0      0      0      0      0 E
[root@cert-34 ~]# qstat -Q
Queue        Max    Tot   Ena   Str   Que   Run   Hld   Wat   Trn   Ext T
-----
cms          0      0  yes  yes    0      0      0      0      0      0 E
cert         0      6  yes  yes    2      4      0      0      0      0 E
grid         0      0  yes  yes    0      0      0      0      0      0 E
[root@cert-34 ~]# qstat -Q
Queue        Max    Tot   Ena   Str   Que   Run   Hld   Wat   Trn   Ext T
-----
cms          0      0  yes  yes    0      0      0      0      0      0 E
cert         0      6  yes  yes    2      4      0      0      0      0 E
grid         0      0  yes  yes    0      0      0      0      0      0 E
[root@cert-34 ~]# qstat -Q
Queue        Max    Tot   Ena   Str   Que   Run   Hld   Wat   Trn   Ext T
-----
cms          0      0  yes  yes    0      0      0      0      0      0 E
cert         0      7  yes  yes    3      4      0      0      0      0 E
grid         0      0  yes  yes    0      0      0      0      0      0 E
[root@cert-34 ~]# qstat -Q
Queue        Max    Tot   Ena   Str   Que   Run   Hld   Wat   Trn   Ext T
-----
cms          0      0  yes  yes    0      0      0      0      0      0 E
cert         0      8  yes  yes    4      4      0      0      0      0 E
grid         0      0  yes  yes    0      0      0      0      0      0 E
[root@cert-34 ~]# qstat -Q
Queue        Max    Tot   Ena   Str   Que   Run   Hld   Wat   Trn   Ext T
-----
cms          0      0  yes  yes    0      0      0      0      0      0 E
cert         0      9  yes  yes    5      4      0      0      0      0 E
grid         0      0  yes  yes    0      0      0      0      0      0 E
[root@cert-34 ~]# qstat -Q
Queue        Max    Tot   Ena   Str   Que   Run   Hld   Wat   Trn   Ext T
-----
cms          0      0  yes  yes    0      0      0      0      0      0 E
cert         0     10  yes  yes    6      4      0      0      0      0 E
grid         0      0  yes  yes    0      0      0      0      0      0 E
[root@cert-34 ~]# qstat -Q
Queue        Max    Tot   Ena   Str   Que   Run   Hld   Wat   Trn   Ext T
-----
cms          0      0  yes  yes    0      0      0      0      0      0 E
cert         0     10  yes  yes    6      4      0      0      0      0 E
grid         0      0  yes  yes    0      0      0      0      0      0 E
[root@cert-34 ~]# qstat -Q
Queue        Max    Tot   Ena   Str   Que   Run   Hld   Wat   Trn   Ext T
-----
cms          0      0  yes  yes    0      0      0      0      0      0 E
cert         0     13  yes  yes    9      4      0      0      0      0 E
grid         0      0  yes  yes    0      0      0      0      0      0 E
[root@cert-34 ~]# qstat -Q
Queue        Max    Tot   Ena   Str   Que   Run   Hld   Wat   Trn   Ext T
-----
cms          0      0  yes  yes    0      0      0      0      0      0 E
cert         0     13  yes  yes    9      4      0      0      0      0 E
grid         0      0  yes  yes    0      0      0      0      0      0 E
[root@cert-34 ~]# qstat -Q
Queue        Max    Tot   Ena   Str   Que   Run   Hld   Wat   Trn   Ext T
-----

```

EMI2CREAMTaskIGIRTC157SL5 < IGIRRelease < TWiki

```

cms          0    0  yes  yes    0    0    0    0    0    0  0 E
cert         0   14  yes  yes   10    4    0    0    0    0  0 E
grid         0    0  yes  yes    0    0    0    0    0    0  0 E
[root@cert-34 ~]# qstat -Q
Queue          Max  Tot  Ena  Str  Que  Run  Hld  Wat  Trn  Ext T
-----
cms            0    0  yes  yes    0    0    0    0    0    0  0 E
cert           0   14  yes  yes   10    4    0    0    0    0  0 E
grid           0    0  yes  yes    0    0    0    0    0    0  0 E
[root@cert-34 ~]# qstat -Q
Queue          Max  Tot  Ena  Str  Que  Run  Hld  Wat  Trn  Ext T
-----
cms            0    0  yes  yes    0    0    0    0    0    0  0 E
cert           0   15  yes  yes   11    4    0    0    0    0  0 E
grid           0    0  yes  yes    0    0    0    0    0    0  0 E
[root@cert-34 ~]# qstat -Q
Queue          Max  Tot  Ena  Str  Que  Run  Hld  Wat  Trn  Ext T
-----
cms            0    0  yes  yes    0    0    0    0    0    0  0 E
cert           0   15  yes  yes   11    4    0    0    0    0  0 E
grid           0    0  yes  yes    0    0    0    0    0    0  0 E

```

During the submission from CE:

```
[root@cert-34 ~]# tail -f /var/log/bdii/bdii-update.log
```

Bug #CREAM-84 The DelegationPurger may cause a java.lang.OutOfMemoryError exception **FIXED**

From CE:

```
[root@cert-34 ~]# mysql -u root -p -v delegationcreambd < duplicateDelegation.sql
Enter password:
```

```
-----
DROP PROCEDURE IF EXISTS duplicateDelegation
-----
```

```
-----
CREATE PROCEDURE duplicateDelegation(delegationId VARCHAR(255), i INT)
BEGIN
```

```

    DECLARE x INT;
    DECLARE delegId VARCHAR(255);
    DECLARE delegDN VARCHAR(255);
    DECLARE delegFQAN VARCHAR(255);
    DECLARE delegVO VARCHAR(50);
    DECLARE delegLocalUser VARCHAR(100);
    DECLARE delegLocalUserGroup VARCHAR(100);
    DECLARE delegVomsAttribute text;
    DECLARE delegCertificate text;
    DECLARE delegInfo text;
    DECLARE delegStartTime datetime;
    DECLARE delegExpirationTime datetime;
    DECLARE delegLastUpdateTime datetime;

```

```

    SET x = 1;
    select id, dn, fqan, vo, localUser, localUserGroup, vomsAttribute, certificate, info

```

```

    WHILE x <= i DO
        insert into delegation (id, dn, fqan, vo, localUser, localUserGroup, vomsAttribute, certificate, info)
        values (delegId, delegDN, delegFQAN, delegVO, delegLocalUser, delegLocalUserGroup, delegVomsAttribute, delegCertificate, delegInfo);
        commit;
        SET x = x + 1;
    END WHILE;

```

```

    END
-----

```

Bug #CREAM-84 The DelegationPurger may cause a java.lang.OutOfMemoryError exception **FIXED**

From UI:

```
[traldi@cert-16 ~]$ glite-ce-delegate-proxy -e cert-34.pd.infn.it:8443 myproxyid
Proxy with delegation id [myproxyid] succesfully delegated to endpoint [cert-34.pd.infn.it:8443]
```

From CE:

```
[root@cert-34 ~]# grep MaxFileSize /etc/glite-ce-cream-es/log4j.properties
log4j.appender.fileout.MaxFileSize=15000KB
```

```
[root@cert-34 ~]# /etc/init.d/tomcat5 stop
Stopping tomcat5: [ OK ]
```

```
[root@cert-34 ~]# mysql -u root -p
Enter password:
```

```
mysql> use delegationcreamdb;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> update delegation set expirationTime=now() where id="myproxyid";
Query OK, 1 row affected (0.09 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

```
mysql> call duplicateDelegation("myproxyid", 10000);
Query OK, 0 rows affected (2 min 3.46 sec)
```

```
mysql> quit
Bye
```

```
[root@cert-34 ~]# /etc/init.d/tomcat5 start
Starting tomcat5: [ OK ]
```

During the store procedure processing, and afeter 15 minutes: From CE:

```
[root@cert-34 ~]# tail -f /var/log/cream/glite-ce-cream.log | grep -i OutOfMemoryError
```

```
[root@cert-34 ~]# mysql -u root -p
Enter password:
```

```
mysql> use delegationcreamdb;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

mysql> select id from delegation where id like "myproxyid%";
Empty set (0.00 sec)
```

Bug #CREAM-83 CREAM should be able to immediately kill also queued jobs, when the proxy is expiring FIXED

From CE:

```
[root@cream-22 ~]# grep DELEGATION_PURGE_RATE /etc/glite-ce-cream/cream-config.xml
<parameter name="DELEGATION_PURGE_RATE" value="3" />
```

From UI:

```
[traldi@cert-16 ~]$ glite-ce-delegate-proxy -e cream-22.pd.infn.it:8443 myproxy1
Proxy with delegation id [myproxy1] succesfully delegated to endpoint [cream-22.pd.infn.it:8443]
```

Bug #CREAM-83 CREAM should be able to immediately kill also queued jobs, when the proxy is expiring F

EMI2CREAMTaskIGIRTC157SL5 < IGIRRelease < TWiki

```
[traldi@cert-16 ~]$ glite-ce-job-submit -r cream-22.pd.infn.it:8443/cream-lsf-cert -D myproxyl sl
https://cream-22.pd.infn.it:8443/CREAM424957199
```

```
[traldi@cert-16 ~]$ glite-ce-job-status https://cream-22.pd.infn.it:8443/CREAM424957199
```

```
***** JobID=[https://cream-22.pd.infn.it:8443/CREAM424957199]
        Status      = [REALLY-RUNNING]
```

From CE:

```
[root@cream-22 ~]# mysql -u root -p
Enter password:
```

```
mysql> use delegationcreamdb;
Database changed
```

```
mysql> update delegation set expirationTime=now() where id="myproxyl";
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

From UI:

```
[traldi@cert-16 ~]$ glite-ce-job-status -L 1 https://cream-22.pd.infn.it:8443/CREAM424957199
```

```
***** JobID=[https://cream-22.pd.infn.it:8443/CREAM424957199]
        Current Status = [CANCELLED]
        ExitCode       = []
        Description    = [job cancelled because the related delegation has expired]
        Grid JobID     = [N/A]
```

Job status changes:

```
-----
Status      = [REGISTERED] - [Mon 29 Jul 2013 15:02:13] (1375102933)
Status      = [PENDING] - [Mon 29 Jul 2013 15:02:13] (1375102933)
Status      = [IDLE] - [Mon 29 Jul 2013 15:02:13] (1375102933)
Status      = [RUNNING] - [Mon 29 Jul 2013 15:02:19] (1375102939)
Status      = [REALLY-RUNNING] - [Mon 29 Jul 2013 15:02:19] (1375102939)
Status      = [CANCELLED] - [Mon 29 Jul 2013 15:05:43] (1375103143)
```

Issued Commands:

```
-----
*** Command Name      = [JOB_REGISTER]
    Command Category  = [JOB_MANAGEMENT]
    Command Status    = [SUCCESSFULL]

*** Command Name      = [JOB_START]
    Command Category  = [JOB_MANAGEMENT]
    Command Status    = [CREATED]

*** Command Name      = [JOB_CANCEL]
    Command Category  = [JOB_MANAGEMENT]
    Command Status    = [SUCCESSFULL]
```

Bug #CREAM-82 Check permission for /var/cream_sandbox FIXED

From CE:

```
[root@cream-22 ~]# ll /var/ | grep cream_sandbox
drwxrwxr-x 2 tomcat tomcat 4096 Jul 26 12:32 cream_sandbox
[root@cream-22 ~]# ll /var/glite/ | grep cream_sandbox
drwxrwxr-x 13 tomcat tomcat 4096 Jul 26 12:35 cream_sandbox_new
```

Bug #CREAM-82 Check permission for /var/cream_sandbox FIXED

Bug #CREAM-78 Check for /etc/lrms in config_cream_gip_scheduler_plugin FIXED

This is for SGE batch system (not tested)

Bug #CREAM-77 List index error from persistent estimator FIXED

From CE:

```
[root@cream-22 ~]# grep BDII_BREATHE_TIME /etc/bdii/bdii.conf
BDII_BREATHE_TIME=120
```

From UI:

```
[traldis@cert-16 ~]$ cat sleepCream.jdl
[
Type = "Job";
JobType = "Normal";
Executable = "/bin/sleep";
Arguments = " 200"
]
```

```
[traldis@cert-16 ~]$ for i in `seq 1 20`; do echo $i; glite-ce-job-submit -r cream-22.pd.infn.it:8443/CREAM569174996
1
https://cream-22.pd.infn.it:8443/CREAM569174996
2
https://cream-22.pd.infn.it:8443/CREAM415358478
3
https://cream-22.pd.infn.it:8443/CREAM464172774
4
https://cream-22.pd.infn.it:8443/CREAM614592479
5
https://cream-22.pd.infn.it:8443/CREAM887749317
6
https://cream-22.pd.infn.it:8443/CREAM379894752
7
https://cream-22.pd.infn.it:8443/CREAM291315683
8
https://cream-22.pd.infn.it:8443/CREAM292136709
9
https://cream-22.pd.infn.it:8443/CREAM356298704
10
https://cream-22.pd.infn.it:8443/CREAM172191910
11
https://cream-22.pd.infn.it:8443/CREAM142468616
12
https://cream-22.pd.infn.it:8443/CREAM492937374
13
https://cream-22.pd.infn.it:8443/CREAM189243448
14
https://cream-22.pd.infn.it:8443/CREAM291411042
15
https://cream-22.pd.infn.it:8443/CREAM682469473
16
https://cream-22.pd.infn.it:8443/CREAM507192499
17
https://cream-22.pd.infn.it:8443/CREAM168869617
18
https://cream-22.pd.infn.it:8443/CREAM800306211
19
https://cream-22.pd.infn.it:8443/CREAM553847847
20
https://cream-22.pd.infn.it:8443/CREAM123559982
```

EMI2CREAMTaskIGIRTC157SL5 < IGIRRelease < TWiki

```
[traldis@cert-16 ~]$ ldapsearch -x -H ldap://cream-22.pd.infn.it:2170 -b o=glue | grep GLUE2ComputingShareEstimatedAverageWaitingTime: 0
GLUE2ComputingShareEstimatedAverageWaitingTime: 90
GLUE2ComputingShareEstimatedAverageWaitingTime: 0
GLUE2ComputingShareEstimatedAverageWaitingTime: 0
GLUE2ComputingShareEstimatedAverageWaitingTime: 90
GLUE2ComputingShareEstimatedAverageWaitingTime: 0
GLUE2ComputingShareEstimatedAverageWaitingTime: 90
GLUE2ComputingShareEstimatedAverageWaitingTime: 0
GLUE2ComputingShareEstimatedAverageWaitingTime: 0
GLUE2ComputingShareEstimatedAverageWaitingTime: 0
GLUE2ComputingShareEstimatedAverageWaitingTime: 90
```

During submission and after 10 minutes: **From CE:**

```
[root@cream-22 ~]# tail -f /var/log/bdii/bdii-update.log
```

Bug #CREAM-75 CREAM should avoid to log the error messages by including even the full stack trace (i.e printStackTrace()) FIXED

From UI:

```
[traldis@cert-16 ~]$ glite-ce-job-submit -a -r cream-22.pd.infn.it/cream-lsf-cert --leaseId mylease
2013-07-30 11:33:48,702 WARN - ERROR submitting JDL [sleepCream.jdl]: MethodName=[jobRegister] Ti
```

From CE:

```
[root@cream-22 ~]# tail -f /var/log/cream/glite-ce-cream.log
```

```
30 Jul 2013 11:33:46,762 INFO org.glite.ce.commonj.authz.gjaf.VomsServicePDP - VOMS attribute aut
30 Jul 2013 11:33:46,762 INFO org.glite.ce.commonj.authz.axis2.AuthorizationHandler - request for
30 Jul 2013 11:33:47,965 INFO org.glite.ce.commonj.authz.gjaf.VomsServicePDP - VOMS attribute aut
30 Jul 2013 11:33:47,965 INFO org.glite.ce.commonj.authz.axis2.AuthorizationHandler - request for
30 Jul 2013 11:33:47,968 INFO org.glite.ce.cream.ws.delegation.CREAMDelegationService - BEGIN put
30 Jul 2013 11:33:48,102 INFO org.glite.ce.cream.delegationmanagement.cmdexecutor.DelegationExecu
30 Jul 2013 11:33:48,391 INFO org.glite.ce.cream.ws.delegation.CREAMDelegationService - END putPr
30 Jul 2013 11:33:48,661 INFO org.glite.ce.commonj.authz.gjaf.VomsServicePDP - VOMS attribute aut
30 Jul 2013 11:33:48,663 INFO org.glite.ce.commonj.authz.axis2.AuthorizationHandler - request for
30 Jul 2013 11:33:48,680 INFO org.glite.ce.cream.cmdmanagement.CommandManager - new command [NAME
30 Jul 2013 11:33:48,689 ERROR org.glite.ce.creamapi.jobmanagement.cmdexecutor.AbstractJobExecuto
30 Jul 2013 11:33:48,689 ERROR org.glite.ce.cream.cmdmanagement.CommandManager - CommandManager e
30 Jul 2013 11:33:48,690 INFO org.glite.ce.cream.cmdmanagement.CommandManager - status change for
30 Jul 2013 11:33:48,690 ERROR org.glite.ce.cream.ws.CREAM2Service - lease id "mylease" not found
```

Standard conformance tests

Glue 1 Compliance - PASSED

- [traldis@cert-16 ~]\$ glue-validator -H cream-22.pd.infn.it -p 2170 -b o=grid -g glue1
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok

Bug #CREAM-77 List index error from persistent estimator FIXED


```
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
```

Ran 160 tests in 0.023s

OK

Glue 2 Compliance - PASSED

Errors are because of use of a State value not defined in the default glue-validator table.

```
[traldi@cert-16 ~]$ glue-validator -H cream-22.pd.infn.it -p 2170 -b o=glue -g glue2
Validating data types. ... FAIL
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
```

Verifying single-valued attributes only have one value. ... ok
 Validating data types. ... ok
 Verifying that attributes are not empty. ... ok
 Verifying the existence of mandatory attributes. ... ok
 Verifying the object class ... ok
 Verifying single-valued attributes only have one value. ... ok
 Validating data types. ... ok
 Verifying that attributes are not empty. ... 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 that attributes are not empty. ... ok
 Verifying the existence of mandatory attributes. ... ok
 Verifying the object class ... ok
 Verifying single-valued attributes only have one value. ... ok
 Validating data types. ... ok
 Verifying that attributes are not empty. ... 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 that attributes are not empty. ... 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 that attributes are not empty. ... ok
 Verifying the existence of mandatory attributes. ... ok
 Verifying the object class ... ok
 Verifying single-valued attributes only have one value. ... ok
 Validating data types. ... ok
 Verifying that attributes are not empty. ... 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 that attributes are not empty. ... ok
 Verifying the existence of mandatory attributes. ... ok
 Verifying the object class ... ok
 Verifying single-valued attributes only have one value. ... ok
 Validating data types. ... ok
 Verifying that attributes are not empty. ... ok
 Verifying the existence of mandatory attributes. ... ok
 Verifying the object class ... ok
 Verifying single-valued attributes only have one value. ... ok
 Validating data types. ... ok
 Verifying that attributes are not empty. ... ok
 Verifying the existence of mandatory attributes. ... ok
 Verifying the object class ... ok
 Verifying single-valued attributes only have one value. ... ok
 Validating data types. ... ok
 Verifying that attributes are not empty. ... ok
 Verifying the existence of mandatory attributes. ... ok
 Verifying the object class ... ok
 Verifying single-valued attributes only have one value. ... ok
 Validating data types. ... ok


```

Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... 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 that attributes are not empty. ... ok
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/python2.6/site-packages/validator/EntryTest.py", line 92, in test_data_types
    self.assertTrue(status, message)
AssertionError: WARNING START:
W037 Description: Wrong type
W037 Affected DN: GLUE2ShareID=creamtest2_dteam_cream-22.pd.infn.it_ComputingElement,GLUE2Service
W037 Affected attribute: GLUE2ComputingShareServingState
W037 Published value: ['testing']
W037 Additional information: Expected type is ServingState_t
WARNING END

```

```

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

```

```

Traceback (most recent call last):
  File "/usr/lib/python2.6/site-packages/validator/EntryTest.py", line 92, in test_data_types
    self.assertTrue(status, message)
AssertionError: WARNING START:
W037 Description: Wrong type
W037 Affected DN: GLUE2ShareID=creamtest2_testers.eu-emi.eu_cream-22.pd.infn.it_ComputingElement,
W037 Affected attribute: GLUE2ComputingShareServingState
W037 Published value: ['testing']
W037 Additional information: Expected type is ServingState_t
WARNING END

```

```

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

```

```

Traceback (most recent call last):
  File "/usr/lib/python2.6/site-packages/validator/EntryTest.py", line 92, in test_data_types
    self.assertTrue(status, message)
AssertionError: WARNING START:
W037 Description: Wrong type
W037 Affected DN: GLUE2ShareID=cert_testers.eu-emi.eu_cream-22.pd.infn.it_ComputingElement,GLUE2S
W037 Affected attribute: GLUE2ComputingShareServingState
W037 Published value: ['testing']
W037 Additional information: Expected type is ServingState_t
WARNING END

```

```

=====

```

EMI2CREAMTaskIGIRTC157SL5 < IGIRRelease < TWiki

FAIL: Validating data types.

Traceback (most recent call last):

File "/usr/lib/python2.6/site-packages/validator/EntryTest.py", line 92, in test_data_types
self.assertTrue(status, message)

AssertionError: WARNING START:

W037 Description: Wrong type

W037 Affected DN: GLUE2ShareID=creamtest2_infngrid_cream-22.pd.infn.it_ComputingElement, GLUE2Serv

W037 Affected attribute: GLUE2ComputingShareServingState

W037 Published value: ['testing']

W037 Additional information: Expected type is ServingState_t

WARNING END

=====

FAIL: Validating data types.

Traceback (most recent call last):

File "/usr/lib/python2.6/site-packages/validator/EntryTest.py", line 92, in test_data_types
self.assertTrue(status, message)

AssertionError: WARNING START:

W037 Description: Wrong type

W037 Affected DN: GLUE2ShareID=creamtest1_cms_cream-22.pd.infn.it_ComputingElement, GLUE2ServiceID

W037 Affected attribute: GLUE2ComputingShareServingState

W037 Published value: ['testing']

W037 Additional information: Expected type is ServingState_t

WARNING END

=====

FAIL: Validating data types.

Traceback (most recent call last):

File "/usr/lib/python2.6/site-packages/validator/EntryTest.py", line 92, in test_data_types
self.assertTrue(status, message)

AssertionError: WARNING START:

W037 Description: Wrong type

W037 Affected DN: GLUE2ShareID=creamtest1_infngrid_cream-22.pd.infn.it_ComputingElement, GLUE2Serv

W037 Affected attribute: GLUE2ComputingShareServingState

W037 Published value: ['testing']

W037 Additional information: Expected type is ServingState_t

WARNING END

=====

FAIL: Validating data types.

Traceback (most recent call last):

File "/usr/lib/python2.6/site-packages/validator/EntryTest.py", line 92, in test_data_types
self.assertTrue(status, message)

AssertionError: WARNING START:

W037 Description: Wrong type

W037 Affected DN: GLUE2ShareID=creamtest1_testers.eu-emi.eu_cream-22.pd.infn.it_ComputingElement,

W037 Affected attribute: GLUE2ComputingShareServingState

W037 Published value: ['testing']

W037 Additional information: Expected type is ServingState_t

WARNING END

=====

FAIL: Validating data types.

Traceback (most recent call last):

File "/usr/lib/python2.6/site-packages/validator/EntryTest.py", line 92, in test_data_types
self.assertTrue(status, message)

AssertionError: WARNING START:

W037 Description: Wrong type

EMI2CREAMTaskIGIRTC157SL5 < IGIRRelease < TWiki

```
W037 Affected DN: GLUE2ShareID=cert_dteam_cream-22.pd.infn.it_ComputingElement,GLUE2ServiceID=cre
W037 Affected attribute: GLUE2ComputingShareServingState
W037 Published value: ['testing']
W037 Additional information: Expected type is ServingState_t
WARNING END
```

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

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

```
File "/usr/lib/python2.6/site-packages/validator/EntryTest.py", line 92, in test_data_types
    self.assertTrue(status, message)
```

```
AssertionError: WARNING START:
```

```
W037 Description: Wrong type
```

```
W037 Affected DN: GLUE2ShareID=creamtest1_dteam_cream-22.pd.infn.it_ComputingElement,GLUE2Service
```

```
W037 Affected attribute: GLUE2ComputingShareServingState
```

```
W037 Published value: ['testing']
```

```
W037 Additional information: Expected type is ServingState_t
```

```
WARNING END
```

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

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

```
File "/usr/lib/python2.6/site-packages/validator/EntryTest.py", line 92, in test_data_types
    self.assertTrue(status, message)
```

```
AssertionError: WARNING START:
```

```
W037 Description: Wrong type
```

```
W037 Affected DN: GLUE2ShareID=creamtest2_cms_cream-22.pd.infn.it_ComputingElement,GLUE2ServiceID
```

```
W037 Affected attribute: GLUE2ComputingShareServingState
```

```
W037 Published value: ['testing']
```

```
W037 Additional information: Expected type is ServingState_t
```

```
WARNING END
```

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

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

```
File "/usr/lib/python2.6/site-packages/validator/EntryTest.py", line 92, in test_data_types
    self.assertTrue(status, message)
```

```
AssertionError: WARNING START:
```

```
W037 Description: Wrong type
```

```
W037 Affected DN: GLUE2EndpointID=cream-22.pd.infn.it_ComputingElement_org.glite.ce.ApplicationPu
```

```
W037 Affected attribute: GLUE2EndpointInterfaceName
```

```
W037 Published value: ['org.glite.ce.ApplicationPublisher']
```

```
W037 Additional information: Expected type is InterfaceName_t
```

```
WARNING END
```

```
-----
Ran 265 tests in 0.042s
```

```
FAILED (failures=11)
```

Performance and scalability tests

Integration testing

```
-- SergioTraldi - 2013-07-29
```

This topic: IGIRelease > EMI2CREAMTaskIGIRTC157SL5

Topic revision: r6 - 2013-07-31 - SergioTraldi



Copyright © 2008-2022 by the contributing authors. All material on this collaboration platform is the property of the contributing authors.

Ideas, requests, problems regarding TWiki? Send feedback