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Testing report: IGIRTC-90

Summary

- Product: **CREAM v. 1.13.4**
- Release Task: Task #31335
- ETICS Subsystem Configuration Name:
- VCS Tag:
- EMI Major Release: **EMI 1 (Kebnekaise)**
- 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

Not Available.

System tests

Functionality tests

CREAM PBS• Test results of Functionality tests for Torque **PASSED**

```
[tralaldi@cert-25 ~]$ pybot -e cpu_alloc3 -e glue -e ce_info -e auto_job_purge -e proxy_purge -e s
INFO: The files of this testsuite will be stored under: /tmp/tmppqRp7j.cream_testing/
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 |
```

```
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 |
```

```
Enable - Disable Submission :: This test case tests the proper fun... | PASS |
```

```
Job Purge :: This test case verifies the proper functionality of t... | PASS |
```

```
Limitter :: 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 |
```

```
OutputData :: This test case tests the OutputData jdl attribute. T... | 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 4 :: Validate the contents of the batch job submiss... | PASS |
```

```
CPU Allocation 5 :: Validate the contents of the batch job submiss... | PASS |
```

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```
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 |
29 critical tests, 29 passed, 0 failed
29 tests total, 29 passed, 0 failed
=====
Output: /home/traldi/output.xml
Log: /home/traldi/log.html
Report: /home/traldi/report.html
```

CREAM LSF

• Test results of Functionality tests for LSF PASSED

```
[traldi@cert-25 ~]$ pybot -e glue -e ce_info -e auto_job_purge -e proxy_purge -e status -e job_ma
INFO: The files of this testsuite will be stored under: /tmp/tmpWNOA0i.cream_testing/
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 |
-----
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 |
-----
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 |
-----
Sandbox Staging :: This test case tests the two different Sandbox ... | PASS |
-----
OutputData :: This test case tests the OutputData jdl attribute. T... | PASS |
-----
Proxy Renewal :: Submit a job lasting 20 minutes using a proxy val... | PASS |
-----
```

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```
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 |
29 critical tests, 29 passed, 0 failed
29 tests total, 29 passed, 0 failed
=====
Output: /home/traldis/output.xml
Log: /home/traldis/log.html
Report: /home/traldis/report.html
```

Regression tests

Verification attached bugs for CREAM Torque

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

On CE host:

```
[root@cream-39 ~]# 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="9091" />
```

Form UI:

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

```
Connecting to the service https://wms011.cnaf.infn.it:7443/glite_wms_wmproxy_server
```

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

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

```
https://wms011.cnaf.infn.it:9000/PQXcY69tgf3tpifjeWzjeQ
```

```
=====
```

```
[traldis@cert-25 ~]$ glite-wms-job-status https://wms011.cnaf.infn.it:9000/PQXcY69tgf3tpifjeWzjeQ
/usr/lib64/python
```

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

BOOKKEEPING INFORMATION:

```
Status info for the Job : https://wms011.cnaf.infn.it:9000/PQXcY69tgf3tpifjeWzjeQ
Current Status: Scheduled
Status Reason: unavailable
Destination: cream-39.pd.infn.it:8443/cream-pbs-cert
Submitted: Fri Jul 27 15:08:45 2012 CEST
=====
```

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```
[traldi@cert-25 ~]$ glite-wms-job-status https://wms011.cnaf.infn.it:9000/PQXcY69tgf3tpifjeWzjeQ/
/usr/lib64/python
```

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

```
Status info for the Job : https://wms011.cnaf.infn.it:9000/PQXcY69tgf3tpifjeWzjeQ
Current Status:      Done (Success)
Exit code:          0
Status Reason:      Job Terminated Successfully
Destination:        cream-39.pd.infn.it:8443/cream-pbs-cert
Submitted:          Fri Jul 27 15:08:45 2012 CEST
=====
```

```
[traldi@cert-25 ~]$ glite-wms-job-output https://wms011.cnaf.infn.it:9000/PQXcY69tgf3tpifjeWzjeQ
```

```
Connecting to the service https://wms011.cnaf.infn.it:7443/glite_wms_wmproxy_server
```

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

```
Output sandbox files for the job:
https://wms011.cnaf.infn.it:9000/PQXcY69tgf3tpifjeWzjeQ
have been successfully retrieved and stored in the directory:
/tmp/jobOutput/traldi_PQXcY69tgf3tpifjeWzjeQ
=====
```

```
[traldi@cert-25 ~]$ cat /tmp/jobOutput/traldi_PQXcY69tgf3tpifjeWzjeQ/stdout
Test bug 95480
```

Verification old bugs for CREAM Torque

Bug #81824(yaim-cream-ce should manage the attribute bupdater_loop_interval) FIXED

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

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

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

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

```
[traldi@cert-25 cream_regression_testing]$ pybot tests
```

```
=====
Tests
=====
```

```
/home/traldi/cream_regression_testing/lib/conf/cream_testsuite_conf.py:21: DeprecationWarning: ob
cls.__instance = object.__new__(cls, *args, **kargs)
ce_host = cream-39.pd.infn.it
dn = /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Sergio Traldi
ce_endpoint = cream-39.pd.infn.it:8443
cream_queue = cream-pbs-cert
deleg_endpoint = https://cream-39.pd.infn.it:8443/ce-cream/services/gridsite-delegation
vo = dteam
proxy_pass = omit
gridftp_server = cream-39.pd.infn.it
```

Bug # 95480 CREAM doesn't transfer the output files remotely under well known conditions FIXED5

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```
lfn_dir = /home/traldi/cream_test
gridftp_dir = /tmp
deleg_id = sbe_deleg_id
log_level = INFO
batch_system = pbs
torque_host = cream-39.pd.infn.it
torque_admin_user = root
tmp_dir = "/tmp"
delete_files = True
sec_cert = "/home/traldi/.globus/usercert.pem"
sec_key = "/home/traldi/.globus/userkey.pem"
sec_proxy_pass = "omit"
ce_cream_xml = /etc/tomcat5/Catalina/localhost/ce-cream.xml
cream_config_xml = /etc/glite-ce-cream/cream-config.xml
blah_config = /etc/blah.config
site_info = /root/siteinfo/site-info.def
services_glite_creamce = /root/siteinfo/services/glite-creamce
blah_cream_concurrency_level = cream_concurrency_level
blah_bupdater_loop_interval = bupdater_loop_interval
cream_sandbox_path = CREAM_SANDBOX_PATH
ce = cream-39.pd.infn.it:8443/cream-pbs-cert
ce_admin_user = root
ce_admin_pass = omit
creamdb_host = "cream-39.pd.infn.it"
creamdb_port = "3360"
creamdb_user = "glite"
creamdb_pass = "omit"
authz_model = "gjaf"
argus_host = "cream-46.pd.infn.it"
argus_root_pass = "omit"
The files of this testsuite will be stored under: /tmp/tmpyR3MOE.cream_testing/
Tests.Bug 81824 :: Regression test of bug #81824 yaim-cream-ce should manag...
=====
Set Log Level :: Set the log level used for the test suite. This c... | PASS |
-----
bug_81824 | PASS |
-----
Tests.Bug 81824 :: Regression test of bug #81824 yaim-cream-ce sho... | PASS |
2 critical tests, 2 passed, 0 failed
2 tests total, 2 passed, 0 failed
=====
Tests.Bug 83238 :: Regression test of bug #83238 Sometimes CREAM does not u...
=====
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 |
-----
Tests.Bug 83238 :: Regression test of bug #83238 Sometimes CREAM d... | PASS |
3 critical tests, 3 passed, 0 failed
3 tests total, 3 passed, 0 failed
=====
Tests.Bug 84374 :: Regression test of Bug #84374 yaim-cream-ce: GlueForeign...
=====
Set Log Level :: Set the log level used for the test suite. This c... | PASS |
-----
bug_84374 | PASS |
-----
Tests.Bug 84374 :: Regression test of Bug #84374 yaim-cream-ce: Gl... | PASS |
2 critical tests, 2 passed, 0 failed
2 tests total, 2 passed, 0 failed
=====
Tests.Bug 86191 :: Regression test of Bug #86191 No info published by the l...
=====
Set Log Level :: Set the log level used for the test suite. This c... | PASS |
-----
```

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```
bug_84374 | PASS |
-----
Tests.Bug 86191 :: Regression test of Bug #86191 No info published... | PASS |
2 critical tests, 2 passed, 0 failed
2 tests total, 2 passed, 0 failed
=====
Tests.Bug 87492 :: Regression test of bug #87492 CREAM doesn't handle corre...
=====
Set Log Level :: Set the log level used for the test suite. This c... | PASS |
-----
bug_87492 | PASS |
-----
Tests.Bug 87492 :: Regression test of bug #87492 CREAM doesn't han... | PASS |
2 critical tests, 2 passed, 0 failed
2 tests total, 2 passed, 0 failed
=====
Tests | PASS |
11 critical tests, 11 passed, 0 failed
11 tests total, 11 passed, 0 failed
=====
Output: /home/traldi/cream_regression_testing/output.xml
Log: /home/traldi/cream_regression_testing/log.html
Report: /home/traldi/cream_regression_testing/report.html
```

- Complete testsuite log can be found here

Bug #87361 The attribute `cream_concurrency_level` should be configurable via `yaim` **FIXED**

```
[root@cream-39 ~]# grep CREAM_CONCURRENCY_LEVEL /root/siteinfo/site-info.def
CREAM_CONCURRENCY_LEVEL=50
```

```
[root@cream-39 ~]# grep cream_concurrency_level /etc/glite-ce-cream/cream-config.xml
cream_concurrency_level="50"
```

Bug #81561 Make `JobDBAdminPurger` script compliant with CREAM EMI environment. **FIXED**

```
[root@cream-39 ~]# JobDBAdminPurger.sh -c /etc/glite-ce-cream/cream-config.xml -u root -p Omit -s
START jobAdminPurger
```

```
-----
Job CREAM625377693 is going to be purged ...
- Job deleted. JobId = CREAM625377693
CREAM625377693 has been purged!
-----
```

```
-----
Job CREAM788041069 is going to be purged ...
- Job deleted. JobId = CREAM788041069
CREAM788041069 has been purged!
-----
```

```
-----
Job CREAM383108706 is going to be purged ...
- Job deleted. JobId = CREAM383108706
CREAM383108706 has been purged!
-----
```

```
-----
Job CREAM043174179 is going to be purged ...
- Job deleted. JobId = CREAM043174179
CREAM043174179 has been purged!
-----
```

```
-----
Job CREAM717118460 is going to be purged ...
- Job deleted. JobId = CREAM717118460
```

Bug #87361 The attribute `cream_concurrency_level` should be configurable via `yaim` **FIXED**

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CREAM717118460 has been purged!

Job CREAM022818615 is going to be purged ...
- Job deleted. JobId = CREAM022818615
CREAM022818615 has been purged!

Job CREAM533553210 is going to be purged ...
- Job deleted. JobId = CREAM533553210
CREAM533553210 has been purged!

Job CREAM395181565 is going to be purged ...
- Job deleted. JobId = CREAM395181565
CREAM395181565 has been purged!

Job CREAM675775142 is going to be purged ...
- Job deleted. JobId = CREAM675775142
CREAM675775142 has been purged!

Job CREAM848763262 is going to be purged ...
- Job deleted. JobId = CREAM848763262
CREAM848763262 has been purged!

Job CREAM374717858 is going to be purged ...
- Job deleted. JobId = CREAM374717858
CREAM374717858 has been purged!

Job CREAM285840086 is going to be purged ...
- Job deleted. JobId = CREAM285840086
CREAM285840086 has been purged!

Job CREAM758929715 is going to be purged ...
- Job deleted. JobId = CREAM758929715
CREAM758929715 has been purged!

Job CREAM073243598 is going to be purged ...
- Job deleted. JobId = CREAM073243598
CREAM073243598 has been purged!

Job CREAM101671150 is going to be purged ...
- Job deleted. JobId = CREAM101671150
CREAM101671150 has been purged!

Job CREAM740543089 is going to be purged ...
- Job deleted. JobId = CREAM740543089
CREAM740543089 has been purged!

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STOP jobAdminPurger

Bug #83749 JobDBAdminPurger cannot purge jobs if configured sandbox dir has changed. FIXED

From UI:

```
[traldi@cert-25 ~]$ glite-ce-job-submit -r cream-39.pd.infn.it:8443/cream-pbs-cert -a simple.jdl  
https://cream-39.pd.infn.it:8443/CREAM043275171
```

```
[traldi@cert-25 ~]$ glite-ce-job-submit -r cream-39.pd.infn.it:8443/cream-pbs-cert -a simple.jdl  
https://cream-39.pd.infn.it:8443/CREAM525833264
```

```
[traldi@cert-25 ~]$ glite-ce-job-submit -r cream-39.pd.infn.it:8443/cream-pbs-cert -a simple.jdl  
https://cream-39.pd.infn.it:8443/CREAM551978142
```

```
[traldi@cert-25 ~]$ glite-ce-job-status https://cream-39.pd.infn.it:8443/CREAM043275171
```

```
***** JobID=[https://cream-39.pd.infn.it:8443/CREAM043275171]  
Status      = [DONE-OK]  
ExitCode    = [0]
```

```
[traldi@cert-25 ~]$ glite-ce-job-status https://cream-39.pd.infn.it:8443/CREAM525833264
```

```
***** JobID=[https://cream-39.pd.infn.it:8443/CREAM525833264]  
Status      = [DONE-OK]  
ExitCode    = [0]
```

```
[traldi@cert-25 ~]$ glite-ce-job-status https://cream-39.pd.infn.it:8443/CREAM551978142
```

```
***** JobID=[https://cream-39.pd.infn.it:8443/CREAM551978142]  
Status      = [DONE-OK]  
ExitCode    = [0]
```

On CE Host:

```
[root@cream-39 ~]# grep SANDBOX siteinfo/site-info.def  
CREAM_SANDBOX_PATH="/var/cream_sandbox2"
```

```
[root@cream-39 ~]# /opt/glite/yaim/bin/yaim -c -s /root/siteinfo/site-info.def -n creamCE -n TORQ
```

```
[root@cream-39 ~]# JobDBAdminPurger.sh -c /etc/glite-ce-cream/cream-config.xml -j CREAM043275171  
START jobAdminPurger
```

```
-----  
Job CREAM043275171 is going to be purged ...  
- Job deleted. JobId = CREAM043275171  
CREAM043275171 has been purged!  
-----
```

```
-----  
Job CREAM525833264 is going to be purged ...  
- Job deleted. JobId = CREAM525833264  
CREAM525833264 has been purged!  
-----
```

```
-----  
Job CREAM551978142 is going to be purged ...  
- Job deleted. JobId = CREAM551978142  
CREAM551978142 has been purged!  
-----
```

Bug #83749 JobDBAdminPurger cannot purge jobs if configured sandbox dir has changed. FIXED9

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STOP jobAdminPurger

```
[root@cream-39 ~]# grep -r CREAM043275171 /var/cream_sandbox/dteam/
```

```
[root@cream-39 ~]# grep -r CREAM525833264 /var/cream_sandbox/dteam/
```

```
[root@cream-39 ~]# grep -r CREAM551978142 /var/cream_sandbox/dteam/
```

From UI:

```
[traldis@cert-25 ~]$ glite-ce-job-status https://cream-39.pd.infn.it:8443/CREAM043275171 https://
```

```
***** JobID=[https://cream-39.pd.infn.it:8443/CREAM043275171]
For this job CREAM has returned a fault: MethodName=[jobStatus] Timestamp=[Mon 30 Jul 2011 11:58:00 CEST]
```

```
***** JobID=[https://cream-39.pd.infn.it:8443/CREAM525833264]
For this job CREAM has returned a fault: MethodName=[jobStatus] Timestamp=[Mon 30 Jul 2011 11:58:00 CEST]
```

```
***** JobID=[https://cream-39.pd.infn.it:8443/CREAM551978142]
For this job CREAM has returned a fault: MethodName=[jobStatus] Timestamp=[Mon 30 Jul 2011 11:58:00 CEST]
```

Torque **PASSED**

Verification attached bugs for CREAM LSF

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

On CE host:

```
[root@cream-29 ~]# 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="9091" />
```

Form UI:

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

Connecting to the service https://gridrb.fe.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://gridrb.fe.infn.it:9000/9VdBnjYYEJdgJugK5d3uyA

```
=====
```

```
[traldis@cert-25 ~]$ glite-wms-job-status https://gridrb.fe.infn.it:9000/9VdBnjYYEJdgJugK5d3uyA /usr/lib64/python
```

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

BOOKKEEPING INFORMATION:

Verification attached bugs for CREAM LSF

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```
Status info for the Job : https://gridrb.fe.infn.it:9000/9VdBnjYYEJdgJugK5d3uyA
Current Status:         Scheduled
Status Reason:         unavailable
Destination:           cream-29.pd.infn.it:8443/cream-lsf-cert
Submitted:             Fri Jul 27 16:07:32 2012 CEST
=====
```

```
[traldis@cert-25 ~]$ glite-wms-job-status https://gridrb.fe.infn.it:9000/9VdBnjYYEJdgJugK5d3uyA
/usr/lib64/python
```

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

```
Status info for the Job : https://gridrb.fe.infn.it:9000/9VdBnjYYEJdgJugK5d3uyA
Current Status:         Done (Success)
Exit code:              0
Status Reason:         Job Terminated Successfully
Destination:           cream-29.pd.infn.it:8443/cream-lsf-cert
Submitted:             Fri Jul 27 16:07:32 2012 CEST
=====
```

```
[traldis@cert-25 ~]$ glite-wms-job-output https://gridrb.fe.infn.it:9000/9VdBnjYYEJdgJugK5d3uyA
```

```
Connecting to the service https://gridrb.fe.infn.it:7443/glite_wms_wmproxy_server
```

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

```
Output sandbox files for the job:
https://gridrb.fe.infn.it:9000/9VdBnjYYEJdgJugK5d3uyA
have been successfully retrieved and stored in the directory:
/tmp/jobOutput/traldis_9VdBnjYYEJdgJugK5d3uyA
=====
```

```
[traldis@cert-25 ~]$ cat /tmp/jobOutput/traldis_9VdBnjYYEJdgJugK5d3uyA/stdout
Test bug 95480
```

Verification old bugs for CREAM LSF

Bug #81824(yaim-cream-ce should manage the attribute bupdater_loop_interval) FIXED

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

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

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

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

```
[traldis@cert-25 cream_regression_testing]$ pybot tests
```

```
=====
Tests
=====
```

```
/home/traldis/cream_regression_testing/lib/conf/cream_testsuite_conf.py:21: DeprecationWarning: ob
cls.__instance = object.__new__(cls, *args, **kargs)
```

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

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```
ce_host = cream-29.pd.infn.it
dn = /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Sergio Traldi
ce_endpoint = cream-29.pd.infn.it:8443
cream_queue = cream-lsf-cert
deleg_endpoint = https://cream-29.pd.infn.it:8443/ce-cream/services/gridsite-delegation
vo = dteam
proxy_pass = omit
gridftp_server = cream-29.pd.infn.it
lfn_dir = /home/traldi/cream_test
gridftp_dir = /tmp
deleg_id = sbe_deleg_id
log_level = INFO
batch_system = lsf
torque_host = cream-29.pd.infn.it
torque_admin_user = root
tmp_dir = "/tmp"
delete_files = True
sec_cert = "/home/traldi/.globus/usercert.pem"
sec_key = "/home/traldi/.globus/userkey.pem"
sec_proxy_pass = "omit"
ce_cream_xml = /etc/tomcat5/Catalina/localhost/ce-cream.xml
cream_config_xml = /etc/glite-ce-cream/cream-config.xml
blah_config = /etc/blah.config
site_info = /root/siteinfo/site-info.def
services_glite_creamce = /root/siteinfo/services/glite-creamce
blah_cream_concurrency_level = cream_concurrency_level
blah_bupdater_loop_interval = bupdater_loop_interval
cream_sandbox_path = CREAM_SANDBOX_PATH
ce = cream-29.pd.infn.it:8443/cream-lsf-cert
ce_admin_user = root
ce_admin_pass = omit
creamdb_host = "cream-29.pd.infn.it"
creamdb_port = "3360"
creamdb_user = "glite"
creamdb_pass = "pippol23"
authz_model = "gjaf"
argus_host = "cream-46.pd.infn.it"
argus_root_pass = "omit"
The files of this testsuite will be stored under: /tmp/tmp5X43GH.cream_testing/
Tests.Bug 81824 :: Regression test of bug #81824 yaim-cream-ce should manag...
=====
Set Log Level :: Set the log level used for the test suite. This c... | PASS |
-----
bug_81824 | PASS |
-----
Tests.Bug 81824 :: Regression test of bug #81824 yaim-cream-ce sho... | PASS |
2 critical tests, 2 passed, 0 failed
2 tests total, 2 passed, 0 failed
=====
Tests.Bug 83238 :: Regression test of bug #83238 Sometimes CREAM does not u...
=====
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 |
-----
Tests.Bug 83238 :: Regression test of bug #83238 Sometimes CREAM d... | PASS |
3 critical tests, 3 passed, 0 failed
3 tests total, 3 passed, 0 failed
=====
Tests.Bug 84374 :: Regression test of Bug #84374 yaim-cream-ce: GlueForeign...
=====
Set Log Level :: Set the log level used for the test suite. This c... | PASS |
-----
bug_84374 | PASS |
-----
```

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```
Tests.Bug 84374 :: Regression test of Bug #84374 yaim-cream-ce: Gl... | PASS |
2 critical tests, 2 passed, 0 failed
2 tests total, 2 passed, 0 failed
=====
Tests.Bug 86191 :: Regression test of Bug #86191 No info published by the l...
=====
Set Log Level :: Set the log level used for the test suite. This c... | PASS |
-----
bug_84374 | PASS |
-----
Tests.Bug 86191 :: Regression test of Bug #86191 No info published... | PASS |
2 critical tests, 2 passed, 0 failed
2 tests total, 2 passed, 0 failed
=====
Tests.Bug 87492 :: Regression test of bug #87492 CREAM doesn't handle corre...
=====
Set Log Level :: Set the log level used for the test suite. This c... | PASS |
-----
bug_87492 | PASS |
-----
Tests.Bug 87492 :: Regression test of bug #87492 CREAM doesn't han... | PASS |
2 critical tests, 2 passed, 0 failed
2 tests total, 2 passed, 0 failed
=====
Tests | PASS |
11 critical tests, 11 passed, 0 failed
11 tests total, 11 passed, 0 failed
=====
Output: /home/traldi/cream_regression_testing/output.xml
Log: /home/traldi/cream_regression_testing/log.html
Report: /home/traldi/cream_regression_testing/report.html
```

- Complete testsuite log can be found here

Bug #87361 The attribute cream_concurrency_level should be configurable via yaim FIXED

```
[root@cream-29 ~]# grep CREAM_CONCURRENCY_LEVEL /root/siteinfo/site-info.def
CREAM_CONCURRENCY_LEVEL=50
```

```
[root@cream-29 ~]# grep cream_concurrency_level /etc/glite-ce-cream/cream-config.xml
cream_concurrency_level="50"
```

Bug #81561 Make JobDBAdminPurger script compliant with CREAM EMI environment. FIXED

```
[root@cream-29 ~]# JobDBAdminPurger.sh -c /etc/glite-ce-cream/cream-config.xml -u root -p Omit -s
START jobAdminPurger
```

```
-----
Job CREAM707537372 is going to be purged ...
- Job deleted. JobId = CREAM707537372
CREAM707537372 has been purged!
-----
```

```
-----
Job CREAM871257393 is going to be purged ...
- Job deleted. JobId = CREAM871257393
CREAM871257393 has been purged!
-----
```

```
-----
Job CREAM321238641 is going to be purged ...
- Job deleted. JobId = CREAM321238641
CREAM321238641 has been purged!
-----
```

```
-----
Job CREAM604206884 is going to be purged ...
```

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- Job deleted. JobId = CREAM604206884
CREAM604206884 has been purged!

Job CREAM356156585 is going to be purged ...
- Job deleted. JobId = CREAM356156585
CREAM356156585 has been purged!

Job CREAM977617424 is going to be purged ...
- Job deleted. JobId = CREAM977617424
CREAM977617424 has been purged!

Job CREAM752881329 is going to be purged ...
- Job deleted. JobId = CREAM752881329
CREAM752881329 has been purged!

Job CREAM503565085 is going to be purged ...
- Job deleted. JobId = CREAM503565085
CREAM503565085 has been purged!

STOP jobAdminPurger

Standard Conformance Tests

Glue 1 Compliance

Result: PASSED

```
[root@cream-29 ~]# glue-validator -t glue1 -h cream-29.pd.infn.it -p 2170 -b o=grid
Validating data types. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
```


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

```
=====
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 GLUE2EndpointServingState with value 'testing' does not follow the type
```

```
-----
Ran 172 tests in 0.054s
```

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

Integration testing

Tests described:

- <https://twiki.cern.ch/twiki/bin/view/EMI/EmiJra1TaskForceIntegrationTesting>

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- ◆ 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

-- SergioTraldi - 2012-07-27

This topic: IGIRelease > EMI1CREAMTask31335

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