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Testing report: IGIRTC-133

Summary

- Product: **CREAM v. 1.15.1**
- Release Task: Task #34043
- ETICS Subsystem Configuration Name: emi-cream-ce_R_1_15_1_1, emi-cream-ui_R_1_15_1_1
- VCS Tag: emi-cream-ce-1.2.1-2, dynsched-generic-2.5.1-3, glite-ce-common-java-1.15.1-2, glite-ce-cream-api-java-1.15.1-2, glite-ce-cream-core-1.15.1-2, glite-ce-cream-es-1.15.1-2, glite-ce-cream-utils-1.3.1-4, glite-ce-wsdl-1.15.1-1, glite-ce-yaim-cream-ce-4.4.1-4, glite-jdl-api-java-3.3.1-2,
- EMI Major Release: **EMI 3 (Monte Bianco)**
- Platform: **SL5 epel**
- Author: Sara Bertocco
- Testing report: Testing Report file
- Certification report: Certification Report file
- Outcome: "In Certification"

Deployment tests

Clean Installation

CREAM LSF PASSED

- Installation log file
- Configuration log file

CREAM PBS PASSED

- Installation log file
- Configuration log file

Upgrade Installation

CREAM LSF PASSED

- Update log file
- Configuration log file

CREAM PBS PASSED

- Update log file
- Configuration log file

Unit Tests

System tests

Functionality tests

CREAM LSF PASSED

```

$ /usr/bin/pybot -e bdii -e glue -e job_man -e old_blah -e outputdata -e lb /opt/cream_test/tes
INFO: The files of this testsuite will be stored under: /tmp/tmp821WvU.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 "argus_host" has not been set.
INFO: Non-mandatory variable "sec_proxy_pass" has not been set.
INFO: Non-mandatory variable "argus_root_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 |
-----
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 |
-----
Automatic Job Purge :: This test case is testing the functionality... | PASS |
-----

```

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```
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 |
33 critical tests, 33 passed, 0 failed
33 tests total, 33 passed, 0 failed
=====
Output: /home/bertocco/output.xml
Log: /home/bertocco/log.html
Report: /home/bertocco/report.html
```

- Functionality tests log file

CREAM PBS PASSED

```
$ /usr/bin/pybot -e bdii -e glue -e job_man -e old_blah -e en_dis_sub -e outputdata -e lb /opt/c
INFO: The files of this testsuite will be stored under: /tmp/tmpXPN31E.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 |
-----
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 |
-----
```

CREAM LSF PASSED

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```
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 |
-----
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 |
-----
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 |
32 critical tests, 32 passed, 0 failed
32 tests total, 32 passed, 0 failed
=====
Output: /home/bertocco/output.xml
Log: /home/bertocco/log.html
Report: /home/bertocco/report.html
```

• Functionality tests log file

```
$ /usr/bin/pybot -i en_dis_sub /opt/cream_test/testsuite/cream_test_suite.html
INFO: The files of this testsuite will be stored under: /tmp/tmpFS3SlD.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 ...
=====
Enable - Disable Submission :: This test case tests the proper fun... | PASS |
-----
Cream Test Suite :: This is the main testing module,needed for tes... | PASS |
1 critical test, 1 passed, 0 failed
1 test total, 1 passed, 0 failed
=====
Output: /home/bertocco/output.xml
Log: /home/bertocco/log.html
Report: /home/bertocco/report.html
```

• Enable-Disable submission test log file

```
$ /usr/bin/pybot -i outputdata /opt/cream_test/testsuite/cream_test_suite.html
INFO: The files of this testsuite will be stored under: /tmp/tmp4BrkOb.cream_testing/
INFO: Non-mandatory variable "sec_cert" has not been set.
INFO: Non-mandatory variable "sec_key" has not been set.
```

CREAM PBS PASSED

```
INFO: Non-mandatory variable "sec_proxy_pass" has not been set.
=====
Cream Test Suite :: This is the main testing module,needed for testing the ...
=====
OutputData :: This test case tests the OutputData jdl attribute. T... | PASS |
-----
Cream Test Suite :: This is the main testing module,needed for tes... | PASS |
1 critical test, 1 passed, 0 failed
1 test total, 1 passed, 0 failed
=====
Output: /home/bertocco/output.xml
Log: /home/bertocco/log.html
Report: /home/bertocco/report.html
```

- Use of OutputData attribute test log file

Standard conformance tests

Glue 1 Compliance

LSF PASSED

- glue-validator -t glue1 -h cream-20.pd.infn.it -p 2170 -b o=grid
log

PBS PASSED

- glue-validator -t glue1 -h cream-06.pd.infn.it -p 2170 -b o=grid
log

Glue 2 Compliance

LSF PASSED

- glue-validator -t glue2 -h cream-20.pd.infn.it -p 2170 -b o=glue
log

PBS PASSED

- glue-validator -t glue2 -h cream-06.pd.infn.it -p 2170 -b o=glue
log

Performance and scalability tests

- ./bin/cream-test-monitored-submit -r 30 -n 1000 -m 50 -C 50 -l log4py.conf -j jdl/testsand
log file

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

-- SaraBertocco - 2013-03-04

This topic: IGIRelease > EMI2CREAMTask34043SL5

Topic revision: r12 - 2013-03-12 - SaraBertocco



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