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Testing report: IGIRTC-159

Summary

- Product: **CREAM v. 1.16.2**
- Release Task: **CREAM 1.16.2**
- EMI Major Release: **EMI 3 (Monte Bianco)**
- Platform: **SL5 epel**
- Outcome: "In Certification"

Deployment tests

Upgrade Installation

CREAM PBS - OK

upgrade from EM2 to EM3

- ◆ Update log file
- ◆ Configuration log file

upgrade from EM3 production to EM3 in testing

- ◆ Update log file
- ◆ Configuration log file

CREAM LSF - OK

upgrade from EM3 production to EM3 in testing

- ◆ Update and configuration log file

Unit Tests

System tests

Functionality tests

CREAM PBS GJAF - OK

```
[traldi@cert-16 ~]$ pybot -e glue -e lb /opt/cream_test/testsuite/cream_test_suite.html
INFO: The files of this testsuite will be stored under: /tmp/tmpbaW5T2.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 |
```

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```
-----
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 |
-----
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 |
-----
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 |
37 critical tests, 37 passed, 0 failed
```

37 tests total, 37 passed, 0 failed

```

=====
Output: /home/traldi/output.xml
Log:    /home/traldi/log.html
Report: /home/traldi/report.html
=====
    
```

• Functionality testsuite loglog

CREAM PBS ARGUS - OK

```

[traldi@cert-16 ~]$ pybot -e glue -e lb /opt/cream_test/testsuite/cream_test_suite.htmlINFO: The
=====
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 |
=====
    
```

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```
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 |
-----
Resource BDII :: Check if the resource bdii publishes all the rele... | 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 |
37 critical tests, 37 passed, 0 failed
37 tests total, 37 passed, 0 failed
=====
Output: /home/traldis/output.xml
Log: /home/traldis/log.html
Report: /home/traldis/report.html
```

- Functionality testsuite loglog

CREAM LSF GJAF - WARNING

The test "Automatic Job Purge" fails with the error "Exception in thread "main"
java.lang.NoClassDefFoundError: org/apache/log4j/Logger".

```
$ /usr/bin/pybot -i auto_job_purge /opt/cream_test/testsuite/cream_test_suite.html
INFO: The files of this testsuite will be stored under: /tmp/tmpk2GhTW.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 ...
=====
Automatic Job Purge :: This test case is testing the functionality... | FAIL |
_error: JobDBAdminPurger non-zero return value detected! Check report file.
-----
Cream Test Suite :: This is the main testing module,needed for tes... | FAIL |
1 critical test, 0 passed, 1 failed
1 test total, 0 passed, 1 failed
=====
```

- Automatic job purge log

To fix - it is needed to add to

```
/usr/sbin/JobDBAdminPurger.sh
```

the row:

```
classPath=${classPath}:/usr/share/java/log4j.jar
```

• Testsuite run:

```
[bertocco@cert-24 tests]$ /usr/bin/pybot -e job_man -e glue -e bdii /opt/cream_test/testsuite/cre
INFO: The files of this testsuite will be stored under: /tmp/tmp5JRDGQ.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 |
-----
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... | FAIL |
_error: Delegation info failed with return value: 255
-----
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 |
-----
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... | FAIL |
36 critical tests, 35 passed, 1 failed
36 tests total, 35 passed, 1 failed
=====

```

- Functionality testsuite log

CREAM LSF ARGUS - WARNING

```

[bertocco@cert-24 tests]$ /usr/bin/pybot -e job_man -e glue -e bdii /opt/cream_test/testsuite/cre
INFO: The files of this testsuite will be stored under: /tmp/tmp5JRGGQ.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 |
-----

```

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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 |
-----
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... | FAIL |
_error: Delegation info failed with return value: 255
-----
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 |
-----
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... | FAIL |
36 critical tests, 35 passed, 1 failed
36 tests total, 35 passed, 1 failed
=====
```

- Functionality testsuite log

Regression tests

Verification attached bug for WMS/UI - issue CREAM-125 FIXED

- regression done on prod-wms-01.pd.infn.it (WMS & prod-ui-02.pd.infn.it (UI) - see LOG for details

Verification attached bugs for CREAM Torque

issue CREAM-111

Verification attached bugs for CREAM LSF

issue CREAM-111

Standard conformance tests

Glue 1 Compliance PBS OK

- [tralaldi@cert-16 ~]\$ glue-validator -H cream-30.pd.infn.it -p 2170 -b o=grid -s general -g OK - errors 0, warnings 0, info 0 | errors=0;warnings=0;info=0

Glue 1 Compliance LSF OK

- [bertocco@cert-24 new_validator]\$ glue-validator -H cream-24.pd.infn.it -p 2170 -b o=grid OK - errors 0, warnings 0, info 0 | errors=0;warnings=0;info=0

Glue 2 Compliance PBS - WARNING

- [tralaldi@cert-16 ~]\$ glue-validator -H cream-30.pd.infn.it -p 2170 -b o=glue -s general -g WARNING - errors 0, warnings 6, info 0 | errors=0;warnings=6;info=0

```
W037 Description: Wrong type
W037 Affected DN: GLUE2ShareID=creamtest1_testers.eu-emi.eu_cream-30.pd.infn.it_ComputingElement
                  GLUE2ServiceID=cream-30.pd.infn.it_ComputingElement
                  GLUE2GroupID=resource
                  o=glue
W037 Affected attribute: GLUE2ComputingShareServingState
W037 Published value: ['testing']
W037 Additional information: Expected type is ServingState_t
```

```
W037 Description: Wrong type
W037 Affected DN: GLUE2ShareID=creamtest2_dteam_cream-30.pd.infn.it_ComputingElement
                  GLUE2ServiceID=cream-30.pd.infn.it_ComputingElement
                  GLUE2GroupID=resource
                  o=glue
W037 Affected attribute: GLUE2ComputingShareServingState
W037 Published value: ['testing']
W037 Additional information: Expected type is ServingState_t
```

```
W037 Description: Wrong type
W037 Affected DN: GLUE2ShareID=creamtest1_dteam_cream-30.pd.infn.it_ComputingElement
                  GLUE2ServiceID=cream-30.pd.infn.it_ComputingElement
                  GLUE2GroupID=resource
                  o=glue
W037 Affected attribute: GLUE2ComputingShareServingState
W037 Published value: ['testing']
W037 Additional information: Expected type is ServingState_t
```

```
W037 Description: Wrong type
W037 Affected DN: GLUE2ShareID=cert_dteam_cream-30.pd.infn.it_ComputingElement
                  GLUE2ServiceID=cream-30.pd.infn.it_ComputingElement
                  GLUE2GroupID=resource
                  o=glue
W037 Affected attribute: GLUE2ComputingShareServingState
W037 Published value: ['testing']
W037 Additional information: Expected type is ServingState_t
```

```
W037 Description: Wrong type
W037 Affected DN: GLUE2ShareID=creamtest2_testers.eu-emi.eu_cream-30.pd.infn.it_ComputingElement
                  GLUE2ServiceID=cream-30.pd.infn.it_ComputingElement
                  GLUE2GroupID=resource
                  o=glue
```

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W037 Affected attribute: GLUE2ComputingShareServingState
W037 Published value: ['testing']
W037 Additional information: Expected type is ServingState_t

W037 Description: Wrong type

W037 Affected DN: GLUE2EndpointID=cream-30.pd.infn.it_ComputingElement_org.glite.ce.Applic
GLUE2ServiceID=cream-30.pd.infn.it_ComputingElement
GLUE2GroupID=resource
o=glue

W037 Affected attribute: GLUE2EndpointInterfaceName

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

W037 Additional information: Expected type is InterfaceName_t

Glue 2 Compliance LSF - WARNING

```
[bertocco@cert-24 new_validator]$ glue-validator -H cert-41.pd.infn.it -p 2170 -b o=glue -s gener
WARNING - errors 0, warnings 1, info 0 | errors=0;warnings=1;info=0
Summary per type of error, warning and info message:
W037 - Wrong type (Several attributes): 1
```

```
[bertocco@cert-24 new_validator]$ glue-validator -H cream-24.pd.infn.it -p 2170 -b o=glue -s gene
WARNING - errors 0, warnings 3, info 0 | errors=0;warnings=3;info=0
```

W037 Description: Wrong type

W037 Affected DN: GLUE2ShareID=cert_dteam_cream-24.pd.infn.it_ComputingElement
GLUE2ServiceID=cream-24.pd.infn.it_ComputingElement
GLUE2GroupID=resource
o=glue

W037 Affected attribute: GLUE2ComputingShareServingState

W037 Published value: ['testing']

W037 Additional information: Expected type is ServingState_t

W037 Description: Wrong type

W037 Affected DN: GLUE2ShareID=cert_testers.eu-emi.eu_cream-24.pd.infn.it_ComputingElement
GLUE2ServiceID=cream-24.pd.infn.it_ComputingElement
GLUE2GroupID=resource
o=glue

W037 Affected attribute: GLUE2ComputingShareServingState

W037 Published value: ['testing']

W037 Additional information: Expected type is ServingState_t

W037 Description: Wrong type

W037 Affected DN: GLUE2EndpointID=cream-24.pd.infn.it_ComputingElement_org.glite.ce.ApplicationPu
GLUE2ServiceID=cream-24.pd.infn.it_ComputingElement
GLUE2GroupID=resource
o=glue

W037 Affected attribute: GLUE2EndpointInterfaceName

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

W037 Additional information: Expected type is InterfaceName_t

```
[bertocco@cert-24 new_validator]$ glue-validator -H cream-24.pd.infn.it -p 2170 -b o=glue -s gene
WARNING - errors 0, warnings 3, info 0 | errors=0;warnings=3;info=0
Summary per type of error, warning and info message:
W037 - Wrong type (Several attributes): 3
```

Performance and scalability tests

Integration testing

This topic: IGIRelease > EMI3CREAMTaskJiraIGIRTC-159_SL5

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