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# CREAM SLURM module v. 1.0.1-1 (EMI3) - Testing and Certification report IGIRTC-164

## Summary

- Product: **CREAM SLURM module v. 1.0.1-1**
- Release Task: IGIRTC-164
- EMI Major Release: EMI 3 (Monte Bianco)
- Platform: SL6/x86\_64
- Outcome: In certification

## SL6

### Deployment tests

#### Clean Installation PASSED

- cream\_slurm\_1\_0\_1\_install\_sl6.txt: install packages

#### Upgrade Installation PASSED

- cream\_slurm\_1\_0\_1\_update\_sl6.txt: update packages
- results\_cream\_install.txt, results\_cream\_config.txt: install & config (2)

### Unit Tests

- NA

### System tests

#### Functionality tests

Tests excluded:

- man\_cancel: slurm not supported
- job\_man: requires two proxy files and the tester has one only
- glue
- cpu\_alloc

```
[bertocco@cert-24 ~]$ /usr/bin/pybot -e man_cancel -e job_man -e glue -e cpu_alloc /opt/cream_testing/
INFO: The files of this testsuite will be stored under: /tmp/tmpXog25r.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 |
-----
```

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```
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 |
-----
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... | FAIL |
['https://cert-08.pd.infn.it:8443/CREAM004261319', 'ABORTED', 'https://cert-08.pd.infn.it:8443/C
 [ Message content over the limit has been removed. ]
...AM869921122', 'DONE-OK', 'https://cert-08.pd.infn.it:8443/CREAM870754713', 'DONE-OK', 'https:/
-----
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 |
-----
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... | FAIL |
30 critical tests, 29 passed, 1 failed
30 tests total, 29 passed, 1 failed
=====
```

### • Functionality testsuite log

## Apel configuration test NA

### Dynamic information test

### Standard compliance tests

#### Glue 1 Compliance - WARNING

```
# glue-validator -H localhost -p 2170 -b o=grid -g glue1 -s general -v 3
WARNING - errors 0, warnings 3, info 0 | errors=0;warnings=3;info=0

W037 Description: Wrong type
W037 Affected DN: GlueVOViewLocalID=euindia
                  GlueCEUniqueID=cert-08.pd.infn.it:8443/cream-slurm-creamtest
                  Mds-Vo-name=resource
                  o=grid
W037 Affected attribute: GlueCEInfoDefaultSE
W037 Published value: ['']
W037 Additional information: Expected type is String

WARNING START:
W037 Description: Wrong type
W037 Affected DN: GlueVOViewLocalID=euindia
                  GlueCEUniqueID=cert-08.pd.infn.it:8443/cream-slurm-creamtest
                  Mds-Vo-name=resource
                  o=grid
W037 Affected attribute: GlueCEInfoApplicationDir
W037 Published value: ['']
W037 Additional information: Expected type is String

W037 Description: Wrong type
W037 Affected DN: GlueCEUniqueID=cert-08.pd.infn.it:8443/cream-slurm-creamtest
                  Mds-Vo-name=resource
                  o=grid
W037 Affected attribute: GlueCEInfoLRMSType
W037 Published value: ['slurm']
W037 Additional information: Expected type is lrms_t
```

#### Glue 2 Compliance - WARNING

```
# glue-validator -H localhost -p 2170 -b o=glue -v 3
WARNING - errors 0, warnings 4, info 47 | errors=0;warnings=4;info=47
```

- glue\_validator\_glue2.txt: Glue2 results - compete log

#### Other functionality tests PASSED

---

This topic: IGIRelease > EMI3SLURMIssue164SL6

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