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# CREAM Certification HOWTOs

## Known Issues

- lcg-info-dynamic-software-1.0.5-1 introduce tutti i vecchi bug, te cui 59871 )
- da verificare nel prossimo update (1.14.2) la presenza di lcg-info-dynamic-software >1.0.5-1 e diverso da 1.0.7-2
- Sometimes the "Automatic job purge" test, running inside the testsuite, fails with the error "CATALINA\_HOME must be set!". In the same time, the test launched stand alone does not fail. To fix this problem check and fix JAVA\_LOCATION in the site-info.def used to configure the cream ce under test, if needed re-run yaim.

## Preliminary checks befor to run CREAM and BLAH testsuites

- Check that the right CE (ce to test) is well configured in
  - ◆ /opt/cream\_test/lib/vars.py

In this file pay expecially attention to:

- ◇ lfc\_host
- ◇ lcg\_gfal\_infosys they can be empty but the test outputdata fails if they are not configured

- ◆ /opt/cream\_blah\_testsuites/lib/conf/cream\_testsuite\_conf.ini

In this file pay expecially attention to:

- ◇ EMI version
- ◇ tomcat version
- ◇ blparser version and consequent blparser log value
- ◇ number of CPU in the cluster (needed to saturate the batch system in some test of blah)

- Check if a simple submission is working (you can use an UI command or the testsuite directly):

```
pybot -i simple /opt/cream_test/testsuite/cream_test_suite.html
```

- Check if the ssh passwordless from UI to CE is well configured. You can do it trying a ssh command or using the testsuite:

```
pybot -i ban /opt/cream_test/testsuite/cream_test_suite.html
```

## CREAM Regression tests notes

- Using blah\_testing and blah regression testsuites pay attention to two things:
  - ◆ Set the right value for parser\_log\_file parameter in /opt/cream\_blah\_testsuites/lib/conf/cream\_testsuite\_conf.ini [if it is not correctly set some tests fail. Need improve to have a message suggesting the problem]
  - ◆ Check that in yaim configuration files defined in /opt/cream\_blah\_testsuites/lib/conf/cream\_testsuite\_conf.ini it is the right value for BLPARSER\_WITH\_UPDATER\_NOTIFIER, i.e. you are declaring the right blparser (new or old)
- bugs 83592 and 83593 are fixed only in CREAM EMI 2 in conjunction with emi-UI EMI 2.

## CREAM + SLURM notes

- dettagli importanti nel primo task di certificazione IGIRTC-164
- recipe\_slurm.txt: recipe\_slurm.txt
- **IMPORTANT:**

- ◆ In case you decided to exploit a shared file system, **AFTER EACH UPDATE**, edit the BLAH configuration file (/etc/blah.config) and add the `blah_shared_directories` parameter (N.B: the YAIM reconfiguration and the update of the glite-ce-blahp module don't preserve this manual modification) and restart gLite services:

```
# echo "blah_shared_directories=/home:/var/cream_sandbox" >> /etc/blah.config
# service gLite restart
```

- ◆ In case of SHARED FS - pay attention on NFS mounting on WNs, in /etc/fstab, have something like:

```
cert-08:/home /home nfs vers=3,timeo=14,intr 0 0
cert-08:/var/cream_sandbox /var/cream_sandbox nfs vers=3,timeo=14,intr 0 0
```

- ◆ slurmdbd PID file - configure it to a directory where user `_slurm_` can write:

```
# grep -i pidfile /etc/slurm/slurmdbd.conf
PidFile=/var/tmp/slurmdbd.pid
```

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