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CREAM Certification HOWTOs

Known Issues

- lcg-info-dynamic-software-1.0.5-1 introduce tuti 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

- detagli 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
        ```

    - ♦ 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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Topic revision: r10 - 2014-08-08 - SaraBertocco

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