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PATCH 3959

Automatic tests

- report #1:
 - ◆ CREAM UI version: 1.12.1; CREAM testsuite version: 1.0.7
 - ◆ Used direct polling for monitoring and BUUpdater/BNotifier for status change detection
 - ◆ Batch system: TORQUE
 - ◆ All tests have been performed successfully (see the report from the testsuite)

Since the current version of the CREAM CE does not enable CEMonitor for a standard installation, all the tests that make use of the notification mechanism have not been taken into account

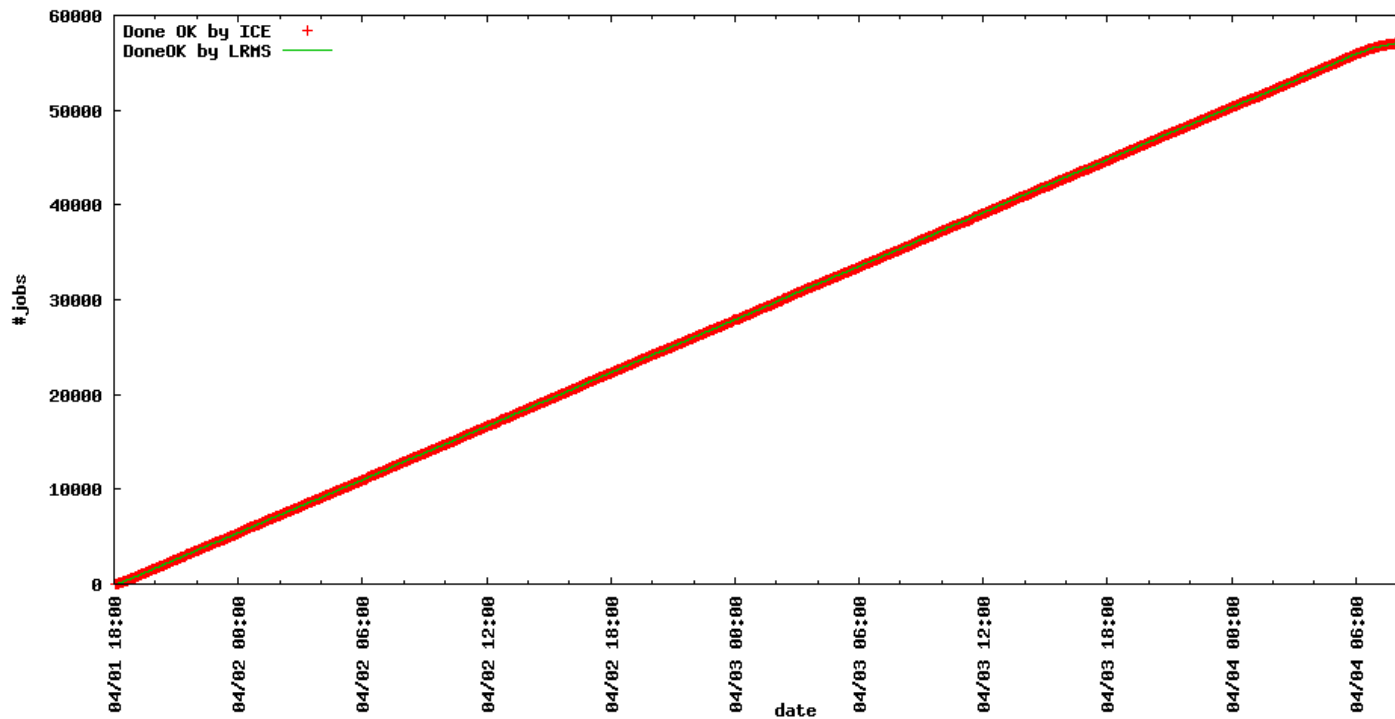
Test submission through a WMS (i.e. ICE)

Description:

- 2880 collections each of 20 jobs
- One collection every 60 seconds
- Four users
- We use these CEs located at Padua:
 - ◆ 5 CEs SL5/64bit (2 lsf + 3 torque)
- Use automatic-delegation
- The job is a "sleep random(7200)"
- Resubmission is enabled
- Use proxy renewal service (myproxy.cern.ch)
- Lease mechanism is not used

Results

- Collections correctly submitted: 2880 (57600 jobs)
 - ◆ DONE OK: 57600 (100%)
 - ◆ NOTDONE: 0 (0 %)
 - ◆ ABORTED: 0 (0 %)
 - ◆ CANCELLED: 0 (0 %)
 - ◆ Resubmitted: 23 (0.04 %)



Information system checks

Tested that the BDII is operational

```
ldapsearch -x -h cream-38.pd.infn.it -p 2170 -b o=infosys
```

Output is here

Checked the Glue 1.3 root entry:

```
ldapsearch -x -h cream-38.pd.infn.it -p 2170 -b mds-vo-name=resource,o=grid
```

Output is here

Checked the Glue 2.0 root entry:

```
ldapsearch -x -h cream-38.pd.infn.it -p 2170 -b o=glue
```

Output is here

Information content check:

```
$ gstat-validate-ce -H cream-38.pd.infn.it -p 2170 -b o=grid
OK - errors 0, warnings 0, info 0
```

Checked bugs

- Bug #24708 : a empty directory left on WN for every job FIXED
 - ◆ Verified as explained here
- Bug #37430 : BLParser should properly filter it's log output FIXED
 - ◆ Not too clear what the fix is supposed to be

- ◆ According to the developer (M. Mezzadri) the command received by the old blparser from CREAM should be reported in the blparser log file without an extra new-line
- ◆ Verified in the old blparser log file
- Bug #45364 : BLAH_JOB_CANCEL should report failure reason FIXED
 - ◆ submit a job top CREAM and then cancels it using the LRMS command (e.g. qdel). Before the blparser (and therefore CREAM) realizes that the job was cancelled, issue a glite-ce-job-cancel.
 - ◆ Issue a glite-ce-job-status -L 2. For the cancel command a failure (along with its reason) should be reported such as:

```

*** Command Name           = [JOB_CANCEL]
   Command Category        = [JOB_MANAGEMENT]
   Command Status          = [ERROR]
   Command Fail Reason     = [qdel: Unknown Job Id 45299.cream-38.pd.infn.it]
   Creation Time           = [Fri 26 Feb 2010 18:43:27] (1267206207)
   Start Scheduling Time   = [Fri 26 Feb 2010 18:43:27] (1267206207)
   Start Processing Time   = [Fri 26 Feb 2010 18:43:27] (1267206207)
   Execution Completed Time = [Fri 26 Feb 2010 18:43:30] (1267206210)

```

- Bug #46419 : CREAM sandbox area should be scratched when the CREAM DB is scratched FIXED
 - ◆ Submit at least one job to the CE and wait for its termination, so that the sandbox area is not empty
 - ◆ Increment the value of the parameters creamdb_database_version in the file /opt/glite/etc/glite-ce-cream/cream-config.xml.template
 - ◆ reconfigure the node with yaim and check whether the sandbox area is empty
- Bug #47070 : [yaim-cream] yaim cream module should support remote mysql setup HOPEFULLY FIXED
- Bug #47254 : Possible problems if the proxy used to talk with CREAM is shorter than 10 minutes FIXED
 - ◆ create a voms-proxy whose lifetime is shorter than 10 minutes
 - ◆ submit a simple job whose lifetime is shorter than the voms-proxy one and verify its correct termination
- Bug #47804 : Possible problems configuring blah in CREAM-CE for LSF FIXED
 - ◆ copy the file profile.lsf from the LSF configuration directory into a new destination, for example /tmp
 - ◆ define in the site-info.def the variable LSFPROFILE_DIR=/tmp and reconfigure with yaim
 - ◆ verify that in the file /opt/glite/etc/blah.conf the profile is loaded from the new path
- Bug #48786 : Load should be one of the parameter of DISABLE_SUBMISSION_POLICY in CREAM FIXED
 - ◆ specify a low load level in the file /opt/glite/bin/glite_cream_load_monitor
 - ◆ try to overload the node with the testsuite: cream-test-monitored-submit -r 30 -n 20000 -m 2000 -C 50 -l log4py.conf -j test.jdl -R <ceID> --sotimeout 60 --vo dteam --valid 02:00 and verify that with high load the submissions are rejected
- Bug #49497 : user proxies on CREAM do not get cleaned up FIXED
 - ◆ delegate a proxy whose lifetime is shorter than the parameter delegation_purge_rate of the CREAM configuration file
 - ◆ wait for the new proxy cleanup run (at least twice the delegation_purge_rate) and verify that the proxy file has been removed from the directory
- Bug #50226 : yaim-cream-ce should use config_secure_tomcat FIXED

- ◆ install the CE node from scratch
- ◆ verify the state of the trustmanager accessing the URL: <https://ce-host:8443/ce-cream/services>
- Bug #50723 : CREAM: check for the jobtype is not case insensitive FIXED
 - ◆ submit a job specifying the parameter "jobtype=Normal" in the JDL and verify the correct execution of the job
- Bug #50875 : CREAM: reason for cancelled jobs should be reported FIXED
 - ◆ submit and cancel a job using the CREAM CLI command and verify that the reason reports "Cancelled by user"
 - ◆ submit and cancel a job using the LRMS command (e.g. qdel) and verify that the reason reports "Cancelled by CE admin"
- Bug #50876 : CREAM reports that the proxy expired even when the problem is in detecting the lifetime of the proxy FIXED
 - ◆ force a failure for the command grid-proxy-init in the jobwrapper, for example delegating a proxy on the CE, manually renaming the corresponding delegated proxy in the sandbox area and then submitting a job using the given delegation ID.
 - ◆ verify that the failure reason reported by the job status contains the message: Problem to detect the lifetime of the proxy
- Bug #51046 : CREAM: DelegProxyInfo info sometimes is wrong FIXED
 - ◆ submit a job, wait for its termination and verify the correct lifetime of the proxy in the glite-ce-job-status output
- Bug #51118 : config_cream_glexec doesn't set glexec permissions right FIXED
 - ◆ install a CE node from scratch and verify the permissions for /opt/glite/sbin/glexec (6555) and /opt/glite/etc/glexec.conf (640)
- Bug #51124 : catalina.out is clogged with grid-proxy-init warnings FIXED
 - ◆ submit a job and check the catalina.out file
- Bug #51128 : lcas-suexec.db on CREAM CE should be named lcas-glexec.db for consistency FIXED
 - ◆ install a CE node from scratch
 - ◆ verify the existence of the files: /opt/glite/etc/lcas/lcas-glexec.db and /opt/glite/etc/lcmaps/lcmaps-glexec.db
- Bug #51249 : [yaim-cream-ce] refactor config_cream_db FIXED
 - ◆ Install the node from scratch and verify all the basic operations of the CREAM service
- Bug #51310 : Wrong event timestamp FIXED
 - ◆ run the consumer server (glite-ce-monitor-consumer) on the client machine
 - ◆ create a subscription for the topic CREAM_JOBS on the CE specifying the URL of the consumer server above
 - ◆ submit a job and verify the validity of the field TIMESTAMP of any event
- Bug #51311 : Wrong event timestamp generated by the CREAM Job Sensor FIXED
 - ◆ act as for bug #51310
- Bug #51313 : CEMon must not notify the expired events CANNOT REPRODUCE
- Bug #51705 : glexec-wrapper.sh should be removed from CREAM RPM FIXED
 - ◆ check the content of glite-ce-cream rpm

- Bug #51706 : yaim-cream-ce: remove "lcg" prefix from JOB_MANAGER FIXED
 - ◆ change the value of JOB_MANAGER in the siteinfo.def e.g. from lsf to lcglsf
 - ◆ configure the node with YAIM and verify that in the resource BDII the string lsf (and not lcglsf) appears in the glueeeuniqueids
- Bug #51892 : Exception when using java.text.DateFormat.parse FIXED
 - ◆ try to overload the node with the testsuite: cream-test-monitored-submit -r 30 -n 20000 -m 2000 -C 50 -l log4py.conf -j test.jdl -R --sotimeout 60 --vo dteam --valid 02:00 and verify that with high load the submissions are rejected
 - ◆ verify the log of the CREAM service
- Bug #51928 : BLAH crashes if the cerequirements classad attribute is malformed FIXED
 - ◆ submit a job specifying a malformed cerequirements parameter
 - ◆ verify that the job is executed and the parameter is ignored
- Bug #51978 : CREAM can be slow to start FIXED
 - ◆ submit a big bunch of long-lived jobs, for example using cream-test-monitored-submit -r 30 -n 2000 -m 2000 -C 100 --sotimeout 60 -j long.jdl -R <ce_id> where long.jdl is "[executable="/bin/sleep";arguments="3600";]"
 - ◆ when all the jobs have been submitted restart the service and verify the startup time.
 - ◆ verify in the CREAM and BLAHP logs that the jobs are checked one by one at startup, instead of polling all jobs from a given timestamp
- Bug #51993 : Proxy renewal not very efficient for multiple jobs having the same delegationid FIXED
 - ◆ stress the renewal mechanism with a single short delegated proxy, for example with the following test: cream-test-monitored-submit -r 30 -n 2000 -m 2000 -C 50 --sotimeout 60 -j long.jdl -R <ce_id> --vo <vo_name> --valid <00:20>
- Bug #52020 : [yaim-cream-ce] Support use of file (besides syslog) for glxec logging FIXED
 - ◆ install from scratch, submit a job and verify that the operation has been logged into the syslog.
 - ◆ define the following variables in the site-info.def:


```
GLExec_CREAM_LOG_DESTINATION=file
GLExec_CREAM_LOG_DIR=/tmp/tests
```
 - run yaim again, submit a new job and verify that the log is written into the specified directory.
- Bug #52050 : misleading error message "The problem seems to be related to glxec FIXED
 - ◆ The CREAM service does not make use of glxec anymore, and therefore this error message can't appear anymore
- Bug #52051 : CEMon must remove all expired subscriptions on start-up FIXED
 - ◆ create a subscription for the topic CREAM_JOBS on the CE with a short lifetime
 - ◆ shutdown the service and wait for the expiration of the subscription
 - ◆ restart the service and verify that the subscription does not exist anymore in the directory /opt/glite/var/cemonitor/subscription
- Bug #52052 : Sometimes the getInfo() operation does not report the right list of topics FIXED
 - ◆ enable or disable the CE sensor removing or adding the corresponding tag in the file /opt/glite/etc/glite-ce-monitor/cemonitor-config.xml
 - ◆ wait for cemonitor to reload the configuration (usually 10m)
 - ◆ verify the availability of the topic using the command glite-ce-monitor-gettopics

- Bug #52268 : BLAH leaves files in /tmp when CErequirements is set FIXED
 - ◆ submit a job specifying a simple CE requirements (e.g. cerequirements="other.GlueHostMainMemoryRAMSize > 2000")
 - ◆ verify that, after the execution of the job, in the tmp directory no files ce-req-file-* are left
- Bug #52651 : CREAM file descriptor overuse FIXED
 - ◆ try to overload the node with the testsuite: cream-test-monitored-submit -r 30 -n 20000 -m 2000 -C 50 -l log4py.conf -j test.jdl -R --sotimeout 60 --vo dteam --valid 02:00 and verify that with high load the submissions are rejected
 - ◆ seek "too many open files" in the CREAM log
- Bug #52719 : Blah doesn't set the 'executable' flag if a local jobwrapper is found FIXED
 - ◆ Submitted a job to a CREAM CE
 - ◆ Checked the BLAH wrapper: the chmod u+x of the CREAM JobWrapper is done in all cases (even if the job is going to be run on the WN via a local jobwrapper)
- Bug #52942 : Missing description for ISB/OSB error in jobwrapper FIXED
 - ◆ submit a job with an unreachable host in the inputsandbox or in the outputsandboxbasedesturi parameter
 - ◆ verify that the output of the glite-ce-job-status contains the full description of the failure
- Bug #53459 : [CREAM] Provide method to improve the detection of job status changes by ICE FIXED
 - ◆ run the "monitored" part of the testsuite , the latest version of the testsuite makes use of the "event query" mechanism for keeping track of the job status.
- Bug #53499 : CREAM job wrapper template should be put outside the jar FIXED
 - ◆ check whether the file /opt/glite/share/webapps/ce-cream.war contains the file WEB-INF/jobwrapper.tpl
- Bug #54812 : lsf_submit.sh job requirement FIXED
 - ◆ Created (and chmoded +x) the file /opt/glite/bin/lsf_local_submit_attributes.sh on the CREAM CE with the following content:


```
#!/bin/sh
echo "BSUB -n 2"
```
 - ◆ Submitted a job to that CE, without specifying in the JDL the cerequirements attribute
 - ◆ Checked (via bjobs -l) that the -n 2 directive was used (which means that the lsf_local_submit_attributes.sh was run)
- Bug #54900 : [glite-yaim-cream-ce] config_cream_tomcat_user should not add tomcat to VO FIXED
 - ◆ check the membership of any VO group
- Bug #54949 : Some job can remain in running state when BLParser is restarted for both lsf and pbs HOPEFULLY FIXED
 - ◆ Not easy to reproduce
 - ◆ Submitted several jobs (logged in different batch system log files) to a CREAM CE configured with the old blparser
 - ◆ Restarted CREAM
 - ◆ Didn't notice problems in getting the status of these jobs
- Bug #55078 : Possible final state not considered in BLParserPBS and BUdaterPBS CANNOT REPRODUCE

- ◆ To test the fix it would be necessary to have a scenario for which in the Torque log file for a certain job the event "Job Run..." is followed by the event "dequeuing from"
- ◆ Not able to reproduce such scenario

- Bug #55420 : Allow admin to purge CREAM jobs in a non terminal status FIXED
 - ◆ temporary disconnect any WN from the CE, e.g. shutting down the mom server in a TORQUE installation
 - ◆ submit a job
 - ◆ on the CE with administrator privileges run the command:
/opt/glite/sbin/JobDBAdminPurger.sh -u -p -s 2 as described in the wiki page
 - ◆ verify with glite-ce-job-list that the job has been purged from the database
 - ◆ verify that the sandbox directory of that job has been removed from
/opt/glite/var/cream_sandbox
 - ◆ remove manually the job from the batch system and reconnect all the WN

- Bug #55438 : BUpdater problems in updating job state with AssignFinalState for all batch system FIXED
 - ◆ Submitted 3 jobs lasting 2 hours to a CREAM CE with only 2 job slots.
 - ◆ For all the jobs the right events were logged by the bnotifier (i.e. it didn't log status=4 with failurereason=999)

- Bug #55531 : BUpdaterPBS should consider lines like "unable to run job" FIXED
 - ◆ Verified as specified here for job <https://cream-28.pd.infn.it:8443/CREAM543877125> (363638.cream-28.pd.infn.it). Difficult to reproduce that Torque problem.

- Bug #55565 : BLAH configuration attribute blah_disable_wn_proxy_renewal fails to disable proxy renewal. FIXED
 - ◆ Verified issuing a BLAH_JOB_REFRESH proxy for a running job
 - ◆ Moreover the BLAH proxy renewal operation is not used anymore (the proxy on the CE is renewed by CREAM and no more by BLAH)

- Bug #56075 : Job failure reasons missing in the CREAM log file FIXED
 - ◆ submit a job with an unreachable host in the inputsandbox or in the outputsandboxbasedesturi parameter
 - ◆ verify that in the log file appears the message: failureReason=Cannot move ISB (): error: globus_xio: Unable to connect to xxxx:2811 globus_xio: globus_libc_getaddrinfo failed.globus_common: Name or service not known

- Bug #56339 : [blah] "service glite-ce-blparser restart" does not always work FIXED
 - ◆ try the command /opt/glite/etc/init.d/glite-ce-blparser restart and verify the correct behaviour of the script

- Bug #56367 : CREAM RPM depends on C libs FIXED
 - ◆ check if the package of glite-ce-cream contains any elf executable

- Bug #56518 : BLAH blparser doesn't start after boot of the machine FIXED
 - ◆ install the CE node from scratch specifying the parameter
BLPARSER_WITH_UPDATER_NOTIFIER=false in the yaim configuration for creamCE
 - ◆ reboot the machine and verify that the blparser_master is running

- Bug #56697 : CREAM logging must be improved when CREAM register operation fails FIXED
 - ◆ force the service to fail a register operation, e.g. temporary renaming the sandbox directory
 - ◆ verify that the log reports at least the JobID and the reason of the failure

- Bug #57210 : BLAH condor_submit script doesn't recognize certain options. CANNOT REPRODUCE
 - ◆ Not possible to test the fix since we don't have CREAM based CEs with Condor as batch system
- Bug #57307 : condor_submit.sh does not support the handling of "local" attributes CANNOT REPRODUCE
 - ◆ Not possible to test the fix since we don't have CREAM based CEs with Condor as batch system
- Bug #57820 : [yaim-cream-ce] CREAM-CE publishes GlueServiceDataValue incomplete FIXED
 - ◆ run the infoprovder: /opt/glite/etc/gip/provider/glite-info-provider-service-cream-wrapper | grep GlueServiceDataValue
 - ◆ verify that 3 different values are returned for the GlueServiceDataValue: the version, the DN and the host name of the CE
- Bug #58103 : Cream database Query performance FIXED
 - ◆ Internal improvement
 - ◆ run a set of stress-tests and verify the performance
- Bug #58109 : Wrong value for the "service version" property FIXED
 - ◆ verify the property using the command glite-ce-service-info
- Bug #58119 : CREAM CE: publish Production instead of Special as default value for GlueCEStateStatus FIXED
 - ◆ verify with /opt/glite/libexec/glite-info-wrapper | grep -i gluecestatestatus
- Bug #58423 : RFE: support for ISB/OSB transfers from/to gridftp servers running using credentials FIXED
 - ◆ tested using java-based UI
 - ◆ tested using the following JDL:


```
[
executable="/bin/ls";
inputsandbox={"gsiftp://lxsgaravatto.pd.infn.it:6787/etc/fstab?DN=/C=IT/O=INFN/OU=Pe
stdoutoutput="out-gsi.out";
stderr="err-gsi.err";
outputsandbox={"out-gsi.out", "err-gsi.err"}
outputsandboxbasedesturi="gsiftp://lxsgaravatto.pd.infn.it:6787/tmp?DN=/C=IT/O=INFN
]
```
- Bug #58659 : NullPointerException from getStatus FIXED
 - ◆ try to overload the node with the testsuite: cream-test-monitored-submit -r 30 -n 20000 -m 2000 -C 50 -l log4py.conf -j test.jdl -R --sotimeout 60 --vo dteam --valid 02:00 and verify that the log of the testsuite does not report any NullPointerException
- Bug #58792 : JobRegister fails, because cream_sandbox directory doesn't exist FIXED
 - ◆ temporary rename the directory /opt/glite/var/cream_sandbox without turning off the service
 - ◆ submit a job and verify that the failure reports "cannot create the job's working directory!"
- Bug #58941 : [yaim-cream-ce] lcmaps confs for glexec and gridftp are not fully synchronized FIXED
 - ◆ verify that the file /opt/glite/etc/lcmaps/lcmaps.db is complaint with the one attached to the bug.
- Bug #59005 : Possible problem with hold/resumed jobs in BUdaterLSF FIXED

- ◆ Verified as reported here
- Bug #59329 : Proxy symlinks left in the registry area until purged FIXED
 - ◆ submit a job and verify the existence of the related symlink in the directory /opt/glite/var/blah/user_blah_job_registry.bjr/registry.proxydir
 - ◆ when the job terminates verify that the symlink has been removed by blah.
- Bug #59686 : Possible crash of BUdparePBS due to wrong malloc FIXED
 - ◆ Define the parameter pbs_spoolpath in the file /opt/glite/etc/blah.config
 - ◆ run the BUdaterPBS daemon and verify its liveness
- Bug #59862 : [yaim-cream-ce] broken -v functionality FIXED
 - ◆ remove a mandatory variable from the site-info.def, for examples JOB_MANAGER
 - ◆ run yaim configurator with option -v and verify that all the yaim functions are called.
- Bug #59962 : Sometimes the CREAM initialization fails with "UserId = ADMINISTRATOR is not enable for that operation"CANNOT REPRODUCE
- Bug #60831 : Error log message: "CREAM_JOB_SENSOR_HOST parameter not specified" FIXED
 - ◆ verify that the parameter "CREAM_JOB_SENSOR_HOST" is not defined in the file /opt/glite/etc/glite-ce-cream/cream-config.xml
 - ◆ submit several jobs
 - ◆ verify that the log of the CREAM service does not report the error above
- Bug #61322 : CREAM jw doesn't set GLITE_WMS_RB_BROKERINFO FIXED
 - ◆ submit a job and verify that the jobwrapper script, contained into the sandbox area for that job, defines correctly the __brokerinfo variable
- Bug #61401 : config_cream_blah and config_cream_clean don't take into account GLITE_LOCATION_LOG FIXED
 - ◆ verify that the log files of blahp are saved into the directory specified by GLITE_LOCATION_LOG
- Bug #61402 : [yaim-cream-ce] does not use GLITE_LOCATION_VAR/LOG in some cases FIXED
 - ◆ change the value of GLITE_LOCATION_VAR and GLITE_LOCATION_LOG and run the yaim configurator
 - ◆ verify that the new installation has been deployed into the new directory and the log is written in the new location
- Bug #61407 : Set CE_ID in the cream jw FIXED
 - ◆ submit a job and verify that the jobwrapper script, contained into the sandbox area for that job, defines correctly the CE_ID variable
- Bug #61493 : [yaim-cream-ce] glxec_get_account policy order is wrong FIXED
 - ◆ As reported in the bug, this was fixed fixing bug #58941
- Bug #61604 : yaim-cream-ce should not install config_gip_software_plugin FIXED
 - ◆ verify that the glite-yaim-cream-ce package does not contain the file config_gip_software_plugin but it contains config_cream_gip_software_plugin instead
- Bug #61730 : CREAM jw: GLITE_WMS_LOG_DESTINATION should always be set with the FQDN FIXED
 - ◆ submit a job and verify that the jobwrapper script, contained into the sandbox area for that job, defines a FQDN in the __ce_hostname variable

- Bug #61761 : CEMon must guarantee the notification rate FIXED
 - ◆ enable the "CE Sensor" plugin
 - ◆ create a subscription for the topic published by the sensor above with a running consumer:


```
glite-ce-monitor-subscribe --cert <user_proxy> --key <user_proxy> --topic CE_MONITOR
--dialects ISM_CLASSAD_GLUE_1.2 --consumer-url <consumer_url> --rate 10 --duration
600 <cemonitor_url>
```
 - ◆ create one or more subscriptions to non-existing consumer URL or to a fake blocking one (e.g. using `nc -l -p <consumer port>`) specifying the same rate as above
 - ◆ verify that the notification rate for the first consumer is correct

- Bug #61790 : Problems in CREAM CE when there are "strange" characters in the subject certificate FIXED
 - ◆ Verified submitting a job to a Torque CREAM CE with a proxy with subject:


```
/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=lcgcaf/CN=cdf/CN=Donatella
Lucchesi/CN=UID:lucchesi
```
 - ◆ With the same proxy there were problems before (see https://gus.fzk.de/ws/ticket_info.php?ticket=54767)

- Bug #62070 : Possible problem with notification time in BNotifier HOPEFULLY FIXED
 - ◆ Not possible to reproduce it according to the developer (M. Mezzadri)

- Bug #62207 : [yaim-cream] Enable Glue 2.0 publishing FIXED
 - ◆ Tested according <https://svnweb.cern.ch/trac/gridinfo/wiki/ResourceBDII> . Sent the following query to the CE BDII: `ldapsearch -x -h $(hostname) -p 2170 -b o=glue` and verified that it returns GLUE2 information. This output was already "validated" by S. Burke.

- Bug #62436 : Possible problem with updater if job remain queued too long FIXED
 - ◆ Fixed as reported here : 3 jobs lasting 2 hours were submitted to a CREAM CE with only 2 job slots. For the third one the BNotifier logged the right events (i.e. it didn't log `status=4` with `failurereason=999`)

- Bug #62565 : yaim-cream-ce requires BLPARSER_HOST even if the new blparser has to be configured FIXED
 - ◆ Install the CE node from scratch removing the BLPARSER_HOST definition from the `site-info.def` and defining `BLPARSER_WITH_UPDATER_NOTIFIER=true`.
 - ◆ verify that the yaim log about any error concerning the variable above and the BNotifier and the Bupdater run correctly.

- Bug #62776 : Yaim config for CREAM CE erroneously requires tomcat in glexec group FIXED
 - ◆ Install the CE node from scratch and verify the following permissions:


```
--r--r----- 1 root glexec  535 Mar  1 10:47 /opt/glite/etc/glexec.conf
-r--sr--sr-x 1 root glexec 79792 Jun 11  2009 /opt/glite/sbin/glexec
```
 - ◆ verify that the `glexec.conf` file contains the property: `"user_white_list = tomcat"`

- Bug #62893 : Possible proxy renewal problem in the CREAM jw FIXED
 - ◆ try to overload the node with the testsuite: `cream-test-monitored-submit -r 30 -n 20000 -m 2000 -C 50 -l log4py.conf -j test.jdl -R <ceID> --sotimeout 60 --vo dteam --valid 00:30`
 - ◆ verify that no proxy related issues occur

- Bug #63398 : CREAM jw: removal of token should be retried in case of failure FIXED
 - ◆ submit the following jdl:


```
[
environment= {"__token_file=gsiftp://host/path"};
executable="/bin/sleep";
```

```
arguments="30";
]
```

specifying existing host and path first and verify that the job terminate successfully; the owner of the token must be the mapped-user.

- ◆ submit the jdl above but specifying a fake host and/or path and verify that the job status reports 3 different failed attempts for taking the token:

```
"/opt/edg/libexec/edg-gridftp-base-rm: error globus_ftp_client: the server responded
```

- Bug #63874 : CREAM sandbox dir creation program should not attempt creation of parent directories.FIXED
 - ◆ temporary rename the directory /opt/glite/var/cream_sandbox/<vname>
 - ◆ submit a job using voms-proxy published by the given VO and verify that the job fails and no directory /opt/glite/var/cream_sandbox/<vname> has been created.
- Bug #64593 : RFE: CREAM jw should set the env variables CREAM_JOBID and GRID_JOBID. FIXED
 - ◆ Verified as explained here
- Bug #64695 : BLAH error after qsub failure. FIXED
 - ◆ Verified as explained here
- Bug #65022 : CEMon can shut down very slowly. FIXED
 - ◆ Confirmed to be fixed by OSG/VDT people

Clean installation

- Installation steps:

```
wget http://etics-repository.cern.ch/repository/pm/registered/repomd/name/patch3959/etics-
yum install xml-commons-apis
yum install glite-CREAM
wget http://grid-deployment.web.cern.ch/grid-deployment/glite/repos/3.2/glite-TORQUE_utils
wget http://grid-deployment.web.cern.ch/grid-deployment/glite/repos/3.2/glite-TORQUE_server
yum install glite-TORQUE_utils glite-TORQUE_server
/opt/glite/yaim/bin/yaim -c -s site-info.def -n creamCE -n TORQUE_server -n TORQUE_utils
```

- View the log of yum for a clean installation
- View the log of yaim for a clean installation (TORQUE is used)

Upgrade from production

- Upgrade steps:

```
wget http://etics-repository.cern.ch/repository/pm/registered/repomd/name/patch3959/etics-
yum update
/opt/glite/yaim/bin/yaim -c -s site-info.def -n creamCE -n TORQUE_server -n TORQUE_utils
```

- View the log of yum for an upgrade
- View the log of yaim for an upgrade (TORQUE is used)

This topic: EgeeJra1It > CreamTestsP3959

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