

Table of Contents

Certification report for the internal patch 4366.....	1
Information.....	1
Upgrade from production.....	1
Automatic tests.....	1
Checked bugs.....	1
Bug #66720 glite-ce-job-output command should be provided FIXED.....	1
Bug #71140 Annoying warning message on CREAM-CLI should be printed only in debug mode FIXED.....	2
Bug #72084 Reduce the number of authorization calls in transfers of sandbox files between UI and CREAM FIXED.....	2
Bug #73746 glite-ce-job-status may abort unnecessarily FIXED.....	3
Bug #73900 there's a memory leak in cream-client-api-c FIXED not certified.....	3
Bug #74699 An ISB file specified as "file://" is not sent to the CE FIXED.....	3
Bug #76899 CREAM CLI: Wrong handling of Inputsandbox FIXED.....	4
Bug #77368 Problems detecting job status changes in WMS->CREAM with secondary FQANs FIXED.....	4

Certification report for the internal patch 4366

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Outcome: **CERTIFIED**

Information

Patch	https://savannah.cern.ch/patch/index.php?4366
Build reports	http://etics-repository.cern.ch/repository/reports/id/37113781-c2b7-49f1-99b5-22eb63cc918a/sl5_x86_64_
Repository	http://etics-repository.cern.ch/repository/pm/registered/repomd/name/patch_4388_1/index.html

Upgrade from production

- Upgrade steps:

```
wget http://etics-repository.cern.ch/repository/pm/registered/repomd/name/patch_4366_1/eti
yum update
```

- view the log of YUM for the client upgrade

Automatic tests

- Run the following tests from the testsuite : output for lsf and pbs CE.
 - ◆ CREAM-cli-delegation.sh: OK
 - ◆ CREAM-cli-delegation-renew.sh: OK
 - ◆ CREAM-cli-job-submit: OK
 - ◆ CREAM-cli-job-status-simple.sh: OK
 - ◆ CREAM-cli-job-status-filtered.sh: OK
 - ◆ CREAM-cli-job-cancel.sh: OK
 - ◆ CREAM-cli-job-suspend.sh: OK
 - ◆ CREAM-cli-job-resume.sh: OK
 - ◆ CREAM-cli-job-purge.sh: OK
 - ◆ CREAM-cli-job-list.sh: OK
 - ◆ CREAM-cli-submission-management.sh: OK
 - ◆ CREAM-cli-event-query.sh: OK
 - ◆ CREAM-cli-service-info.sh: OK

Checked bugs

Bug #66720 glite-ce-job-output command should be provided **FIXED**

```
[ale@cream-03 CREAM-cli]$ cat sbd.jdl
[
JobType = "Normal";
Executable = "/bin/hostname";
outputsandbox={"out.txt", "err.txt"};
outputsandboxbasedesturi="gsiftp://localhost";
StdOutput="out.txt";
StdError="err.txt";
]
[ale@cream-03 CREAM-cli]$ glite-ce-job-submit -a -r cream-32.pd.infn.it:8443/cream-pbs-creamtest1
```

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```
https://cream-32.pd.infn.it:8443/CREAM794123402
[ale@cream-03 CREAM-cli]$ glite-ce-job-status https://cream-32.pd.infn.it:8443/CREAM794123402

***** JobID=[https://cream-32.pd.infn.it:8443/CREAM794123402]
        Status      = [DONE-OK]
        ExitCode     = [0]

[ale@cream-03 CREAM-cli]$ glite-ce-job-output https://cream-32.pd.infn.it:8443/CREAM794123402

2011-02-08 17:42:00,521 INFO - For JobID [https://cream-32.pd.infn.it:8443/CREAM794123402] output
[ale@cream-03 CREAM-cli]$ ls -l ./cream-32.pd.infn.it_8443_CREAM794123402
total 4
-rw-r--r-- 1 ale ale  0 Feb  8 17:42 err.txt
-rw-r--r-- 1 ale ale 27 Feb  8 17:42 out.txt
[ale@cream-03 CREAM-cli]$ cat ./cream-32.pd.infn.it_8443_CREAM794123402/out.txt
cream-wn-055.pn.pd.infn.it
[ale@cream-03 CREAM-cli]$ glite-ce-job-output -D outdir https://cream-32.pd.infn.it:8443/CREAM794123402

2011-02-08 17:42:40,953 INFO - For JobID [https://cream-32.pd.infn.it:8443/CREAM794123402] output
[ale@cream-03 CREAM-cli]$ ls -l outdir/cream-32.pd.infn.it_8443_CREAM794123402
total 4
-rw-r--r-- 1 ale ale  0 Feb  8 17:42 err.txt
-rw-r--r-- 1 ale ale 27 Feb  8 17:42 out.txt
[ale@cream-03 CREAM-cli]$ cat outdir/cream-32.pd.infn.it_8443_CREAM794123402/out.txt
cream-wn-055.pn.pd.infn.it
[ale@cream-03 CREAM-cli]$ glite-ce-job-status -L 2 https://cream-32.pd.infn.it:8443/CREAM794123402
        Worker Node   = [cream-wn-055.pn.pd.infn.it]
```

Bug #71140 Annoying warning message on CREAM-CLI should be printed only in debug mode FIXED

```
[ale@cream-03 CREAM-cli]$ glite-ce-job-submit -a -r cream-32.pd.infn.it:8443/cream-pbs-creamtest1
https://cream-32.pd.infn.it:8443/CREAM989268052
[ale@cream-03 CREAM-cli]$ glite-ce-job-status https://cream-32.pd.infn.it:8443/CREAM989268052

***** JobID=[https://cream-32.pd.infn.it:8443/CREAM989268052]
        Status      = [RUNNING]

[ale@cream-03 CREAM-cli]$ glite-ce-job-status -d https://cream-32.pd.infn.it:8443/CREAM989268052
2011-02-08 17:46:45,790 INFO - Using certificate proxy file [/tmp/x509up_u500]
2011-02-08 17:46:45,809 WARN - No configuration file suitable for loading. Using built-in configu
2011-02-08 17:46:45,809 INFO - Logfile is [/tmp/glite_cream_cli_logs/glite-ce-job-status_CREAM_al
2011-02-08 17:46:45,810 DEBUG - Processing job [https://cream-32.pd.infn.it:8443/CREAM989268052].
2011-02-08 17:46:45,810 INFO - Sending JobStatus request to [https://cream-32.pd.infn.it:8443//ce
2011-02-08 17:46:45,810 DEBUG - Contacting service [https://cream-32.pd.infn.it:8443//ce-cream/se

***** JobID=[https://cream-32.pd.infn.it:8443/CREAM989268052]
        Status      = [RUNNING]
```

Bug #72084 Reduce the number of authorization calls in transfers of sandbox files between UI and CREAM FIXED

```
$ cat argus.jdl
[
executable="ssh1.sh";
inputsandbox={"file:///home/sgaravat/JDLExamples/ssh1.sh", "file:///home/sgaravat/a"};
stdoutoutput="out3.out";
stderrerror="err2.err";
outputsandbox={"out3.out", "err2.err", "ssh1.sh", "a"};
outputsandboxbasedesturi="gsiftp://localhost";
]
$ glite-ce-delegate-proxy -e cream-38 poi
```

Bug #66720 glite-ce-job-output command should be provided FIXED

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```
2011-02-09 10:38:46,310 NOTICE - Proxy with delegation id [poi] succesfully delegated to endpoint
-bash-3.2$ glite-ce-job-submit -D poi -r cream-38.pd.infn.it:8443/cream-pbs-creamtest1 argus.jdl
https://cream-38.pd.infn.it:8443/CREAM128523326
```

Looking into argus log:

```
1297244442473|193.206.210.16|cream-43.pd.infn.it:8154|/authz|
1297244443874|193.206.210.16|cream-43.pd.infn.it:8154|/authz|
1297244444098|193.206.210.16|cream-43.pd.infn.it:8154|/authz|
```

When the job arrives to final status (Done OK)

```
$ glite-ce-job-output https://cream-38.pd.infn.it:8443/CREAM128523326
```

```
2011-02-09 10:42:51,924 INFO - For JobID [https://cream-38.pd.infn.it:8443/CREAM128523326] output
```

Again fromm argus log file:

```
1297244571865|193.206.210.16|cream-43.pd.infn.it:8154|/authz|
1297244572128|193.206.210.16|cream-43.pd.infn.it:8154|/authz|
```

Bug #73746 glite-ce-job-status may abort unnecessarily FIXED

```
[ale@cream-03 UI]$ egrep -c '^https://.*:8443/CREAM[0-9]+' test.id
11
[ale@cream-03 UI]$ glite-ce-job-status -i test.id | grep -c 'JobID='
2011-02-09 10:54:09,458 ERROR - An error occurred with CREAM URL [https://cream-21.pd.infn.it:8443/CREAM128523326]
10
```

Bug #73900 there's a memory leak in cream-client-api-c FIXED not certified

Bug #74699 An ISB file specified as "file:/// " is not sent to the CE FIXED

```
[ale@cream-03 UI]$ cat example.jdl
[
JobType = "Normal";
Executable = "/bin/ls";
Arguments="-la";
inputsandbox={ "file:///home/ale/UI/example.jdl"};
inputsandboxbaseuri="gsiftp://cream-38.pd.infn.it/etc/";
outputsandboxbasedesturi="gsiftp://localhost";
outputsandbox={"out.txt", "example.jdl"};
StdOutput="out.txt";
StdError="err.txt";
]
[ale@cream-03 UI]$ glite-ce-job-submit -a -o test.id -r cream-26.pd.infn.it:8443/cream-lsf-testbe
https://cream-26.pd.infn.it:8443/CREAM748972290
[ale@cream-03 UI]$ glite-ce-job-status https://cream-26.pd.infn.it:8443/CREAM748972290

***** JobID=[https://cream-26.pd.infn.it:8443/CREAM748972290]
      Status      = [DONE-OK]
      ExitCode    = [0]
```

```
[ale@cream-03 UI]$ glite-ce-job-output https://cream-26.pd.infn.it:8443/CREAM748972290
```

```
2011-02-09 11:16:33,909 INFO - For JobID [https://cream-26.pd.infn.it:8443/CREAM748972290] output
[ale@cream-03 UI]$ ls -l ./cream-26.pd.infn.it_8443_CREAM748972290/
total 8
-rw-r--r-- 1 ale ale 304 Feb  9 11:16 example.jdl
-rw-r--r-- 1 ale ale 334 Feb  9 11:16 out.txt
```

Bug #72084 Reduce the number of authorization calls in transfers ofsandbox files between UI and CREAM

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```
[ale@cream-03 UI]$ cat ./cream-26.pd.infn.it_8443_CREAM748972290/out.txt
total 12
drwxr-xr-x  2 dteam039 dteam 4096 Feb  9 11:16 .
drwxr-xr-x  3 dteam039 dteam 4096 Feb  9 11:16 ..
-rw-r--r--  1 dteam039 dteam   0 Feb  9 11:16 err.txt
-rw-r--r--  1 dteam039 dteam  304 Feb  9 11:16 example.jdl
-rw-r--r--  1 dteam039 dteam   0 Feb  9 11:16 out.txt
-rw-r--r--  1 dteam039 dteam   0 Feb  9 11:16 .tmp_file
```

Bug #76899 CREAM CLI: Wrong handling of Inputsandbox FIXED

```
[ale@cream-03 UI]$ cat example.jdl
```

```
[
JobType = "Normal";
Executable = "/bin/ls";
Arguments="-la";
inputsandbox={ "file:///home/ale/UI/example.jdl"};
outputsandboxbasedesturi="gsiftp://localhost";
outputsandbox={"out.txt", "example.jdl"};
StdOutput="out.txt";
StdError="err.txt";
]
```

```
[ale@cream-03 UI]$ glite-ce-job-submit -a -o test.id -d -r cream-26.pd.infn.it:8443/cream-lsf-tes
```

```
2011-02-09 11:32:54,976 INFO - *****
2011-02-09 11:32:54,976 INFO - CREAM User Interface version 1.2.0 - Starting at Wed Feb  9 11:32:
```

```
2011-02-09 11:32:54,977 DEBUG - Using certificate proxy file [/tmp/x509up_u500]
2011-02-09 11:32:54,994 INFO - VO from certificate=[dteam]
2011-02-09 11:32:54,995 WARN - No configuration file suitable for loading. Using built-in configu
2011-02-09 11:32:55,109 INFO - Logfile is [/tmp/glite_cream_cli_logs/glite-ce-job-submit_CREAM_al
2011-02-09 11:32:55,109 DEBUG - Processing file [file:///home/ale/UI/example.jdl]...
2011-02-09 11:32:55,110 DEBUG - Adding absolute path [/home/ale/UI/example.jdl/file:///home/ale/U
2011-02-09 11:32:55,110 DEBUG - Inserting mangled InputSandbox in JDL: [{"/home/ale/UI/example.jd
2011-02-09 11:32:55,113 INFO - Registering to [http://cream-26.pd.infn.it:8443/ce-cream/services/
2011-02-09 11:32:55,113 INFO - certUtil::generateUniqueID() - Generated DelegationID: [24719b560b
2011-02-09 11:32:55,113 INFO - CreamProxy_Delegate::execute() - Calling getProxyReq to remote ser
2011-02-09 11:32:57,444 INFO - CreamProxy_Delegate::execute() - Signing returned proxy with our p
2011-02-09 11:32:57,463 INFO - CreamProxy_Delegate::execute() - Sending signed proxy to [https://
2011-02-09 11:32:58,534 INFO - JobID=[https://cream-26.pd.infn.it:8443/CREAM120874597]
2011-02-09 11:32:58,534 INFO - UploadURL=[gsiftp://cream-26.pd.infn.it/opt/glite/var/cream_sandbo
2011-02-09 11:32:58,535 INFO - Sending file [gsiftp://cream-26.pd.infn.it/opt/glite/var/cream_san
2011-02-09 11:32:59,223 INFO - Now invoking JobStart for JobID [https://cream-26.pd.infn.it:8443/
https://cream-26.pd.infn.it:8443/CREAM120874597
```

Bug #77368 Problems detecting job status changes in WMS->CREAM with secondary FQANs FIXED

```
[ale@cream-03 proxy]$ voms-proxy-info -all
```

```
subject   : /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Massimo Sgaravatto/CN=proxy
issuer    : /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Massimo Sgaravatto
identity  : /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Massimo Sgaravatto
type      : proxy
strength  : 1024 bits
path      : /home/ale/UI/proxy/user1.proxy
timeleft  : 3:58:50
=== VO dteam extension information ===
VO        : dteam
subject   : /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Massimo Sgaravatto
issuer    : /C=GR/O=HellasGrid/OU=hellasgrid.gr/CN=voms2.hellasgrid.gr
attribute : /dteam/Role=NULL/Capability=NULL
attribute : /dteam/italy/Role=NULL/Capability=NULL
attribute : /dteam/italy/INFN-PADOVA/Role=NULL/Capability=NULL
timeleft  : 3:58:50
uri       : voms2.hellasgrid.gr:15004
```

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```
[ale@cream-03 proxy]$ glite-ce-job-submit -a -o test.id -r cream-26.pd.infn.it:8443/cream-lsf-tes
https://cream-26.pd.infn.it:8443/CREAM710892363
```

```
[ale@cream-03 proxy]$ voms-proxy-init -voms dteam -voms dteam:/dteam/italy/INFN-PADOVA -cert user
Your identity: /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Massimo Sgaravatto
Creating temporary proxy ..... Done
Contacting voms.hellasgrid.gr:15004 [/C=GR/O=HellasGrid/OU=hellasgrid.gr/CN=voms.hellasgrid.gr]
Creating proxy .....
Your proxy is valid until Wed Feb 9 23:48:51 2011
```

```
[ale@cream-03 proxy]$ voms-proxy-info -all
subject   : /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Massimo Sgaravatto/CN=proxy
issuer    : /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Massimo Sgaravatto
identity  : /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Massimo Sgaravatto
type      : proxy
strength  : 1024 bits
path      : /home/ale/UI/proxy/user1.proxy
timeleft  : 11:59:55
=== VO dteam extension information ===
VO        : dteam
subject   : /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Massimo Sgaravatto
issuer    : /C=GR/O=HellasGrid/OU=hellasgrid.gr/CN=voms.hellasgrid.gr
attribute : /dteam/Role=NULL/Capability=NULL
attribute : /dteam/italy/INFN-PADOVA/Role=NULL/Capability=NULL
attribute : /dteam/italy/Role=NULL/Capability=NULL
timeleft  : 11:59:54
uri       : voms.hellasgrid.gr:15004
```

```
[ale@cream-03 proxy]$ glite-ce-job-status https://cream-26.pd.infn.it:8443/CREAM710892363
```

```
***** JobID=[https://cream-26.pd.infn.it:8443/CREAM710892363]
  Status      = [DONE-OK]
  ExitCode    = [0]
```

```
[ale@cream-03 proxy]$ glite-ce-job-output https://cream-26.pd.infn.it:8443/CREAM710892363
```

```
2011-02-09 11:52:30,390 INFO - For JobID [https://cream-26.pd.infn.it:8443/CREAM710892363] output
[ale@cream-03 proxy]$ ls -l ./cream-26.pd.infn.it_8443_CREAM710892363
total 8
-rw-r--r-- 1 ale ale 247 Feb 9 11:52 example.jdl
-rw-r--r-- 1 ale ale 334 Feb 9 11:52 out.txt
```

-- AlessioGianelle - 2011-02-08

This topic: EgeeJra1It > CreamCliP4366

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