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# TESTs on ICE

## 15) Test starts on Thu Mar 19 at 12:00:57 CET 2009 (WMS: wms008)

Description:

- 7200 collections each of 40 jobs
- One collection every 60 seconds
- Five users
- max\_ice\_threads = 20
- Used all the CEs of testbedB (except cert-06.cnaf and cream-21.pd)
- Used automatic-delegation and proxy renewal service (MyProxyServer = "myproxy.cern.ch")
- Proxy has 5 hours of lifetime (and it is renewed every 4 hours)
- The job is a "sleep 313"
- Resubmission is enabled
- Lease mechanism is not used
- Use rpms from patch #2459

## Test finishes on Tue Mar 24 at 11:56:59 CET 2009

- 3750 collections submitted in 37283 seconds: 5/9/38 secs (min/avg/max)
  - ◆ 3450 submission fail due to *System load is too high*

## Final results taken on Fri Mar 24 at 13:44:29

- Collections correctly submitted: 3750 (150000 jobs)
  - ◆ DONE OK: 145210 (96.81%)
  - ◆ ABORTED: 611 (0.41%)
  - ◆ NotDone: 4179 (2.78%)
  - ◆ Resubmitted: 1283 (0.86%)
- Errors found (3191):
  - ◆ BLAH error (201 times 6.3%)
  - ◆ Cannot move ISB (569 times 17.83%)
  - ◆ Cannot move OSB (148 times 4.64%)
  - ◆ Transfer to CREAM failed (**1895 times 59.39%**)
  - ◆ Cannot take token (50 times 1.57%)
  - ◆ Proxy is expired (315 times 9.87%)
  - ◆ Isf\_reason (9 times 0.28%)
  - ◆ blparser service is not alive (3 times 0.09%)
  - ◆ pbs\_reason (1 time 0.03%)
- All the aborted (and also the majority of the failures) are due to "proxy renewal" mechanism which doesn't work at the beginning of the test.
- All the "NotDone" jobs are matched to a single ce (cert-05.cnaf.infn.it), which has some problems under investigation.

## 14) Test starts on Fri Mar 13 at 11:44:57 CET 2009 (WMS: wms008)

## Description:

- 7200 collections each of 40 jobs
- One collection every 60 seconds
- Four users
- max\_ice\_threads = 20
- Used all the CEs of testbedB (except cert-06.cnaf and cream-21.pd)
- Used automatic-delegation and proxy renewal service (MyProxyServer = "myproxy.cern.ch")
- Proxy has 5 hours of lifetime (and it is renewed every 4 hours)
- The job is a "sleep 313"
- Resubmission is enabled
- Lease mechanism is not used
- Use rpms from patch #2459

## Results (Mon Mar 16 17:21:55). Test interrupted due to a problem in the Isf server at Cnaf.

- Collections correctly submitted: 2932 (117280 jobs)
  - ◆ DONE OK: 113758 (97%)
  - ◆ ABORTED: 3 (0.003%)
  - ◆ NotDone: 3519 (3%)
  - ◆ Resubmitted: 141 (0.12%)
- Errors found (179):
  - ◆ Cannot move ISB (*14 times 7.82%*)
  - ◆ BLAH error (***92 times 51.4%***)
    - ◇ blah error: send command timeout (*28 times*)
    - ◇ submission command failed (exit code = -15) (stdout:) (stderr: exe\_getouterr: 200 seconds timeout expired, killing child process.- killed by signal 15.-) N/A (jobId = [...]) (*43 times*)
    - ◇ submission command failed (exit code = 1) (stdout:) (stderr:Cannot connect to LSF. Please wait ...-Cannot connect to LSF. Please wait ...- exe\_getouterr: 200 seconds timeout expired, killing child process.-) N/A (jobId = [...]) (*13 times*)
    - ◇ no jobId in submission script's output (stdout:) (stderr: exe\_getouterr: 200 seconds timeout expired, killing child process.-) N/A (jobId = [...]) (*7 times*)
    - ◇ submission command failed (exit code = 120) (stdout:) (stderr:glxec policy violation: see glxec log for more details-) N/A (jobId = [...]) (*1 time*)
  - ◆ Transfer to CREAM failed (*56 times 31.28%*)
    - ◇ due to exception: CREAM Register returned error "MethodName=[jobRegister] Timestamp=[Fri 13 Mar 2009 11:50:35] ErrorCode=[0] Description=[system error] FaultCause=[cannot create the job's working directory! The problem seems to be related to glxec]" (*56 times*)
  - ◆ Cannot take token (*14 times 7.82%*)
  - ◆ Others (*3 times 1.68%*)
    - ◇ The job cannot be submitted because the blparser service is not alive (*3 times*)

## 13) Test starts on Wed Mar 4 at 13:41:28 CET 2009 (WMS: wms007)

## Description:

- 120 collections each of 60 jobs
- One collection every 60 seconds

14) Test starts on Fri Mar 13 at 11:44:57 CET 2009 (WMS:wms008)

- Four users
- The job is a "sleep 313"
- Resubmission is enabled
- We use both CREAM and LCG CEs
- Long proxy

## Test finishes on Wed Mar 4 at 15:38:14 CET 2009

- 120 collections submitted in 1108 seconds: 4/9/16 (min/avg/max)

### Final results

- Collections correctly submitted: 120 (7200 jobs)
  - ◆ DONE OK: 7198 (99.97%)
    - ◇ CREAM: 2537
    - ◇ LCG: 4661
  - ◆ ABORTED: 0 (0%)
  - ◆ Not finished: 2 (0.03%)
    - ◇ LCG: 2
  - ◆ Resubmitted: 182 (2.53%)

## 12) Test starts on Feb 24 at 10:29:07 CET 2009 (WMS: wms007)

Description:

- 120 collections each of 60 jobs
- One collection every 60 seconds
- Four users
- The job is a "sleep 313"
- Resubmission is enabled
- We use both CREAM and LCG CEs
- Long proxy

## Test finishes on Mon Feb 24 at 12:25:54 CET 2009

- 92 collections submitted in 712 seconds: 4/7/13 (min/avg/max)
  - ◆ 28 submission(s) fail(s) (due to load limiter)

### Final results

- Collections correctly submitted: 91 (5460 jobs)
  - ◆ DONE OK: 5460 (100%)
    - ◇ CREAM: 3400
    - ◇ LCG: 2060
  - ◆ ABORTED: 0 (0%)
  - ◆ Resubmitted: 163 (2.99%)

- The submission of one collection failed due to:

```
Status Reason:      LBProxy is enabled
Unable to query LB and LBProxy
edg_wll_QueryEvents[Proxy]
```

## 13) Test starts on Wed Mar 4 at 13:41:28 CET 2009 (WMS:wms007)

```
Exit code: 1413
LB[Proxy] Error: DNS resolver error
(edg_wll_gss_connect()): Unknown host)
```

## 11) Test starts on Mon Feb 23 at 15:25:49CET 2009 (WMS: wms007)

Description:

- 120 collections each of 60 jobs
- One collection every 60 seconds
- Four users
- The job is a "sleep 313"
- Resubmission is enabled
- We use both CREAM and LCG CEs

## Test finishes on Mon Feb 23 at 17:22:32 CET 2009

- 120 collections submitted in 1092 seconds: 5/9/17 (min/avg/max)

## Final results

- Collections correctly submitted: 120 (7200 jobs)
  - ◆ DONE OK: 6950 (96.53%)
    - ◇ CREAM: 2243
    - ◇ LCG: 4707
  - ◆ ABORTED: 249 (3.46%)
    - ◇ LCG: 249
  - ◆ Not finished: 1 (0.01%)
    - ◇ LCG: 1
  - ◆ Resubmitted: 696 (9.7%)
- All the jobs have been aborted for "proxy expired" because the job renewal daemon doesn't work.

## 10) Test starts on Tue Feb 5 at 12:41:35 CET 2009 (WMS: devel14)

Description:

- 4320 collections each of 40 jobs
- One collection every 60 seconds
- Five users
- max\_ice\_threads = 20
- Used all the CEs of testbedB (except cert-06.cnaf) plus cream-04.pd.infn.it
- Used automatic-delegation and proxy renewal service (MyProxyServer = "myproxy.cern.ch")
- Proxy has 5 hours of lifetime (and it is renewed every 4 hours)
- The job is a "sleep 4242"
- Resubmission is enabled
- Lease mechanism is not used
- Changes in the software wrt previous test:
  - ◆ ICE

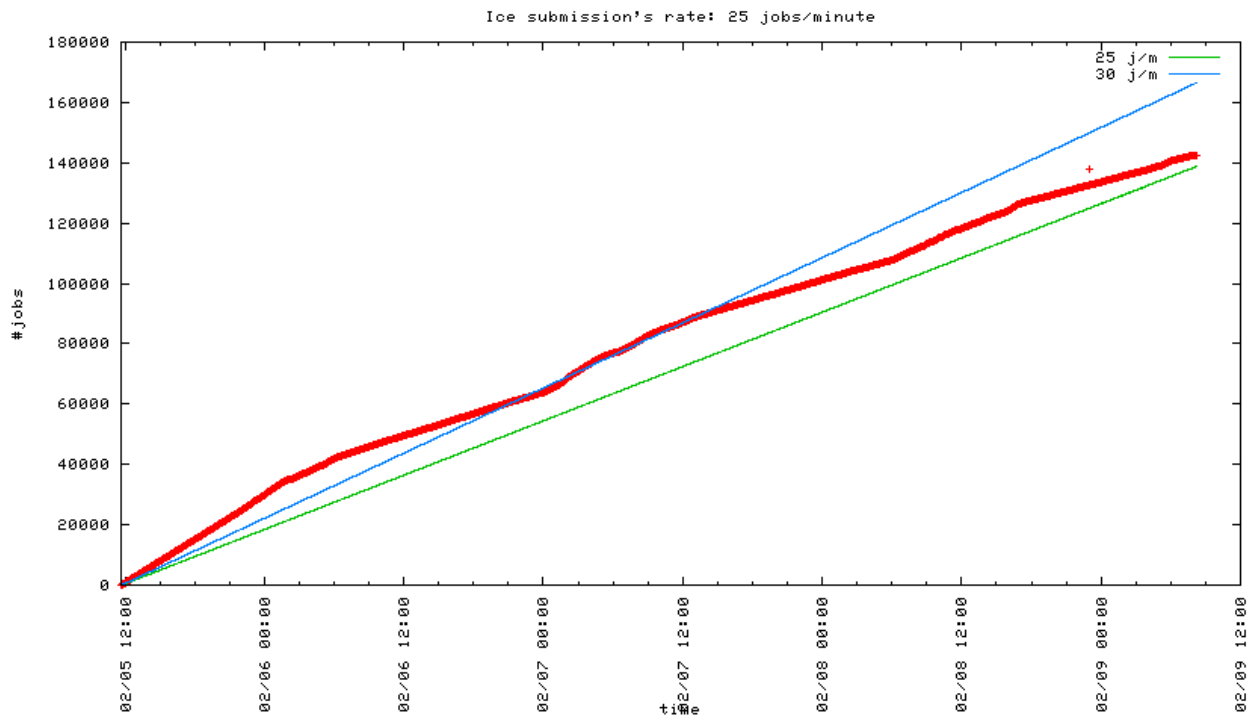
Final results

- ◊ Fix a problem with proxy renewal seen in the previous test
- ◊ Removed useless check of proxy duration in subscriptionManager, which could result in performance problems

## Final results taken on Thu Feb 10 at 16:20:32 CET 2009

- Collections correctly submitted: 1568 (62720 jobs)
  - ◆ DONE OK: 58641 (93.5%)
  - ◆ ABORTED: 4079 (6.5%)
  - ◆ Resubmitted: 41601 (66.33%)
- Errors found (82530):
  - ◆ Cannot move ISB (**75625 times 91.63%**)
  - ◆ Cannot move OSB (*115 times 0.14%*)
  - ◆ Proxy is expired (*5711 times 6.92%*)
  - ◆ pbs\_reason (*702 times 0.85%*)
    - ◊ pbs\_reason=1; [...] proxy expired (*477 times*)
    - ◊ pbs\_reason=271 (*225 times*)
  - ◆ Transfer to CREAM failed (*187 times 0.23%*)
    - ◊ due to exception: CREAM Register raised std::exception Connection to service [...] failed: (*187 times*)
  - ◆ lsf\_reason (*184 times 0.23%*)
    - ◊ lsf\_reason=36608; Proxy expired: job killed Terminated Master process killed (*138 times*)
    - ◊ lsf\_reason=256 (*43 times*)
    - ◊ lsf\_reason=1603 (*3 times*)
  - ◆ Cannot take token (*4 times 0%*)
  - ◆ BLAH error (*2 times 0%*)
    - ◊ submission command failed (exit code = 1) (stdout:) (stderr:qsub: Invalid credential-) N/A (jobId = [...]) (*2 times*)
- Job Aborted (4079)
  - ◆ request expired (*792 times 19.42%*)
  - ◆ hit job shallow retry count (3) (*3263 times 80%*)
  - ◆ hit job retry count (2) (*24 times 0.58%*)

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### 9) Test starts on Fri Jan 30 at 12:41:22 CET 2009 (WMS: devel14)

Description:

- 4320 collections each of 40 jobs
- One collection every 60 seconds
- Five users
- max\_ice\_threads = 20
- Used all the CEs of testbedB (except cert-06.cnaf) plus cream-04.pd.infn.it
- Used automatic-delegation and proxy renewal service (MyProxyServer = "myproxy.cern.ch");
- Proxy has 5 hours of lifetime (and it is renewed every 4 hours)
- The job is a "sleep 4242"
- Resubmission is enabled
- Lease mechanism is not used
- Changes in the software wrt previous test:
  - ◆ CEs:
    - ◇ Fix for bug #45913 (only on cream-04.pd.infn.it)
    - ◇ Fix for bug #46283 (only on cream-04.pd.infn.it and cert-04.pd.infn.it)
  - ◆ ICE
    - ◇ Fix for bug #46405
    - ◇ 5 sec. (instead of 60) of delay between two LB logging tries
    - ◇ Error code is printed in the ICE log file when a log to LB fails

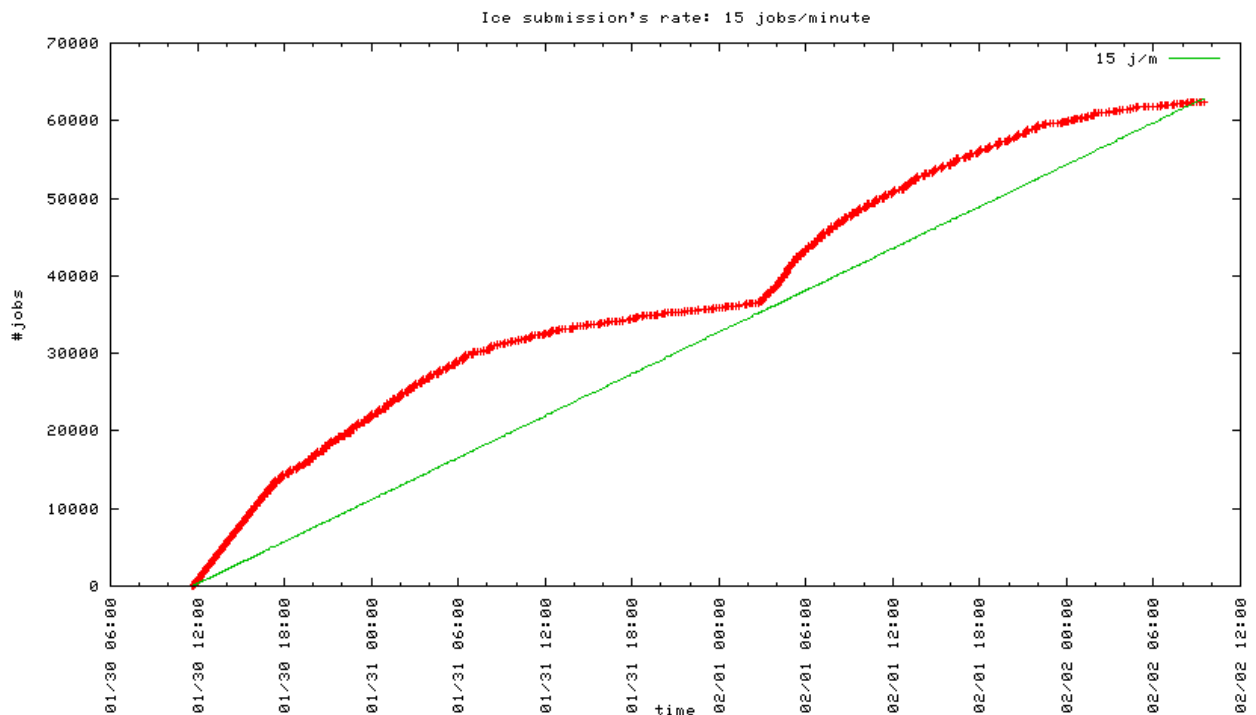
### Test finishes on Mon Feb 2 at 12:39:09 CET 2009

- 1427 collections submitted in 29752 seconds: 5/20/90 (min/avg/max)
  - ◆ 2893 submissions fail due to load limiter

Final results taken on Thu Feb 10 at 16:20:32 CET 2009

## Results taken on Thu Feb 02 at 15:24:31 CET 2009

- Collections correctly submitted: 1427 (57080 jobs)
  - ◆ DONE OK: 28244 (49.48%)
  - ◆ ABORTED: 0 (0%)
  - ◆ Not finished: 28836 (50.52%)
  - ◆ Resubmissions: 2012 (3.52%)
- Errors found (2233):
  - ◆ BLAH error (*19 times 0.85%*)
    - ◇ submission command failed (exit code = 1) (stdout:) (stderr:pbs\_iff: cannot read reply from pbs\_server-No Permission.-qsub: cannot connect to server cream-28.pd.infn.it (errno=15007)-) N/A (jobId = [...]) (*18 times*)
    - ◇ submission command failed (exit code = 1) (stdout:) (stderr:pbs\_iff: cannot read reply from pbs\_server-No Permission.-qsub: cannot connect to server cream-28.pd.infn.it (errno=15007)- exe\_getouterr: poll() got an unknown event (stdout 0x0010 - stderr: 0x0000).-) N/A (jobId = [...]) (*1 time*)
  - ◆ Cannot move ISB (***1872 times 83.84%***)
  - ◆ Proxy is expired (*325 times 14.55%*)
  - ◆ lsf\_reason (*1 time 0.04%*)
    - ◇ lsf\_reason=36608 (*1 time*)
  - ◆ pbs\_reason (*16 times 0.72%*)
    - ◇ pbs\_reason=1; [...] proxy expired (*15 times*)
    - ◇ pbs\_reason=271; Proxy expired: job killed Terminated Master process killed (*1 time*)



## 8) Test starts on Mon Jan 26 17:59:02 CET 2009 (WMS: devel14)

Description:

- 4320 collections each of 40 jobs
- One collection every 60 seconds



- Five users
- max\_ice\_threads = 20
- Used all the CEs of testbedB (except cert-06.cnaf)
- Used automatic-delegation and proxy renewal service
- Proxy has 5 hours of lifetime (and it is renewed every 4 hours)
- The job is a "sleep 4242"
- Resubmission is able
- Lease mechanism is not used
  
- Changes in the software wrt previous test:
  - ◆ ICE:
    - ◇ Fixed problem with proxy renewal seen in previous test

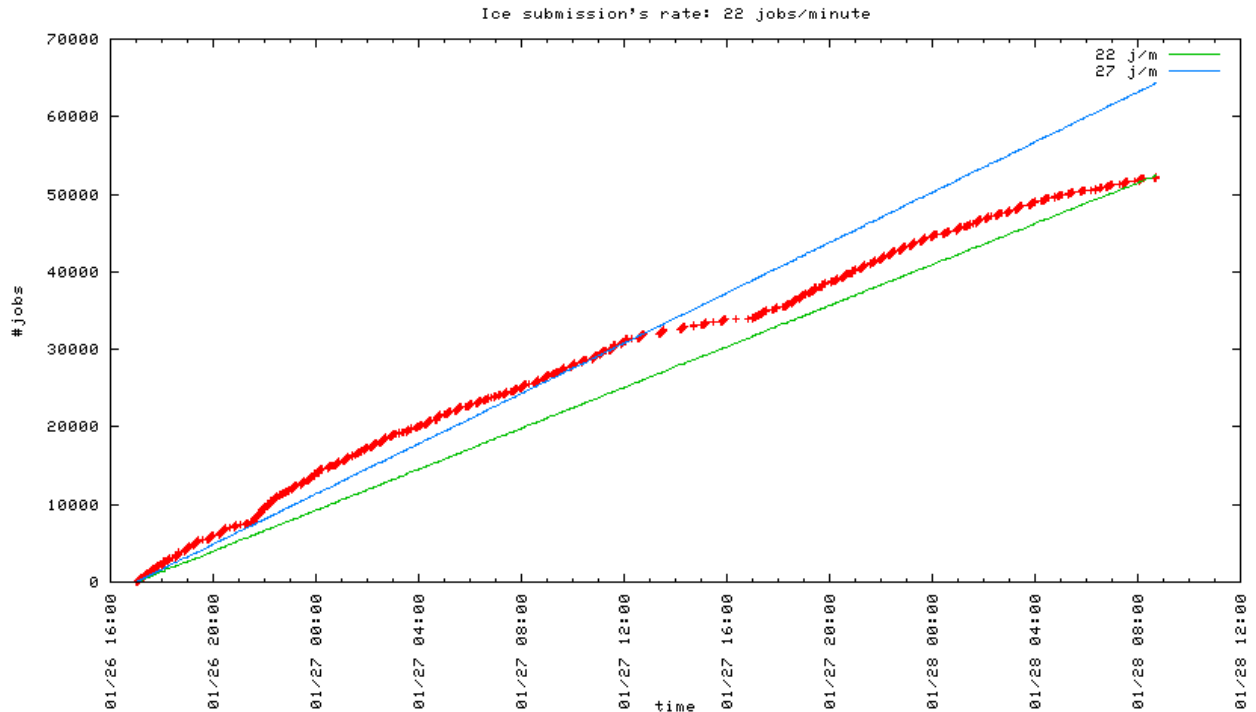
**Test interrupted for a problem in the proxy-renewal service daemon on Thu Jan 29 12:05:12 CET 2009**

## **Results taken on Thu Jan 29 at 18:35:31 CET 2009**

- Collections correctly submitted: 1433 (57320 jobs)
  - ◆ DONE OK: 33566 (58.56%)
  - ◆ ABORTED: 8414 (14.68%)
  - ◆ Not finished: 15340 (26.76%)
  - ◆ Resubmissions: 33507 (58.46%)
  
- Errors found (33957):
  - ◆ BLAH error (*3 time 0.01%*)
    - ◇ submission command failed (exit code = 1) (stdout:) (stderr:qsub: Invalid credential-) N/A (jobId = [...]) (*1 time*)
    - ◇ submission command failed (exit code = 106) (stdout:) (stderr:glxec policy violation: see glxec log for more details-) N/A (jobId = [...]) (*2 times*)
  - ◆ Cannot move ISB (*4513 times 13.29%*)
  - ◆ Cannot move OSB (*73 times 0.21%*)
  - ◆ Transfer to CREAM failed (*28607 times 84.24%*)
    - ◇ due to exception: Authentication error: The proxy is EXPIRED! (*28134 times*)
    - ◇ due to exception: Authentication error: Unable to open the file [/var/glite/SandboxDir/[...]/user.proxy] : No such file or directory (*432 times*)
    - ◇ Failed to create a delegation id for job [...]: reason is Received NULL fault; the error is due to another cause: FaultString=[Client fault] - FaultCode=[SOAP-ENV:Client] - FaultSubCode=[SOAP-ENV:Client] (*19 times*)
    - ◇ Failed to create a delegation id for job [...]: reason is Failed proxy validation - it has expired. (*4 times*)
    - ◇ Failed to create a delegation id for job [...]: reason is CreamProxy\_Delegate::execute() - Coundl't open proxyfile [...]: The proxy is EXPIRED! (*1 time*)
    - ◇ CREAM Register raised std::exception Received NULL fault; the error is due to another cause: FaultString=[Client fault] - FaultCode=[SOAP-ENV:Client] - FaultSubCode=[SOAP-ENV:Client] (*12 times*)
    - ◇ CREAM Register returned error "MethodName=[jobRegister] Timestamp=[Wed 28 Jan 2009 17:42:42] ErrorCode=[0] Description=[system error] FaultCause=[cannot create the job's working directory! The problem seems to be related to glxec]" (*5 times*)
  - ◆ Proxy is expired (*688 times 2.03%*)
  - ◆ lsf\_reason (*61 times 0.18%*)
    - ◇ lsf\_reason=65280 (*32 times*)
    - ◇ lsf\_reason=36608 (*22 times*)

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- ◊ Isf\_reason=1603 (1 time)
- ◊ Isf\_reason=256 (6 times)
- ◆ pbs\_reason (12 times 0.04%)
  - ◊ pbs\_reason=271; Proxy expired: job killed Terminated Master process killed (12 times)



### BUGS:

- CREAM
  - ◆ #46405 : VOMSWrapper should try more than once to open a proxy file
- BLAH
  - ◆ #46283 : Possible memory leak in strtok function for BLParser

## 7) Test starts on Fri Jan 23 12:28:01 CET 2009 (WMS: devel14)

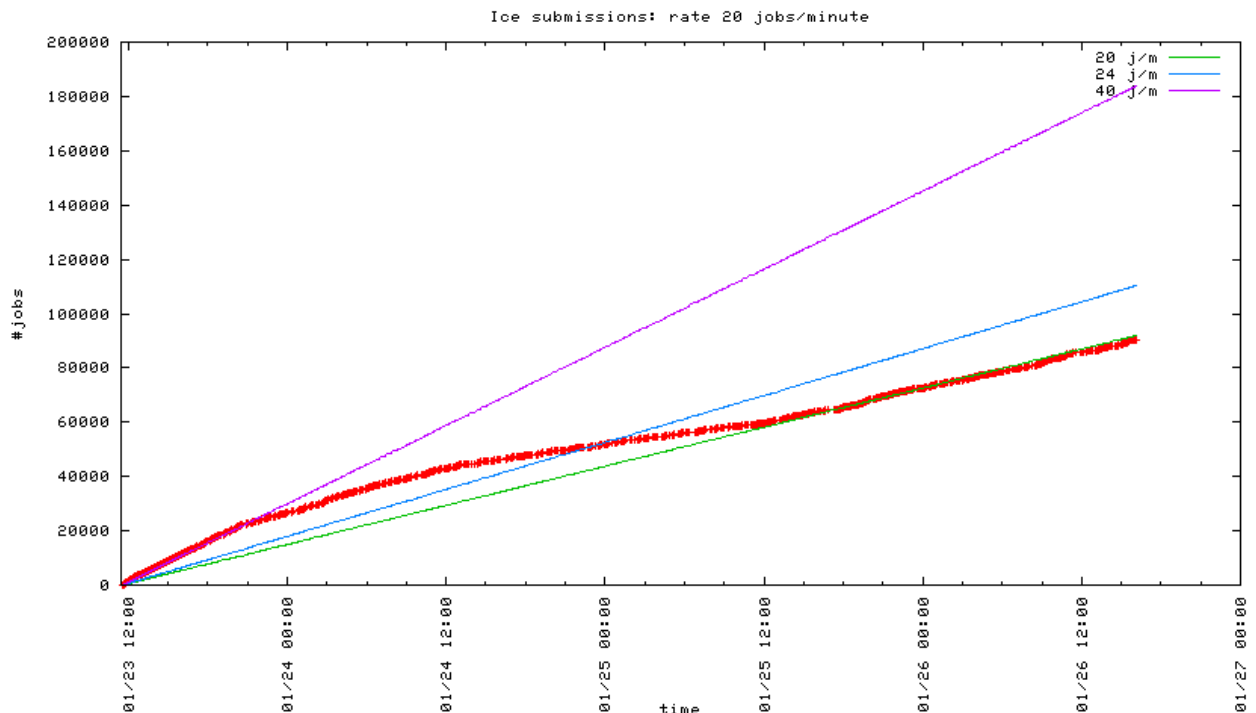
### Description:

- 7200 collections each of 40 jobs
- One collection every 60 seconds
- Five users
- max\_ice\_threads = 20
- Used all the CEs of testbedB (except cert-06.cnaf)
- Used automatic-delegation and proxy renewal service
- Proxy has 5 hours of lifetime (and it is renewed every 4 hours)
- The job is a "sleep 4242"
- Resubmission is able
- Lease mechanism is not used
  
- Changes in the software wrt previous test:
  - ◆ ICE:
    - ◊ Fixed problem seen in previous test

Test interrupted on Mon Jan 26 17:05:12 CET 2009

## Results taken on Mon Jan 26 at 18:20:31 CET 2009

- Collections correctly submitted: 1741 (69640 jobs)
  - ◆ DONE OK: 51894 (74.52%)
  - ◆ ABORTED: 44 (0.06%)
  - ◆ Not finished: 16186 (23.24%)
  - ◆ CANCELLED: 1516 (2.18%)
  - ◆ Resubmissions: 18218 (26.16%)
- Errors found (18218):
  - ◆ BLAH error (*2 times 0.01%*)
    - ◇ submission command failed (exit code = 1) (stdout:) (stderr:qsub: Invalid credential-) N/A (jobId = [...]) (*1 time*)
    - ◇ submission command failed (exit code = 1) (stdout:) (stderr:Cannot resolve default server host 'cream-28.pd.infn.it' - check server\_name file.-qsub: cannot connect to server cream-28.pd.infn.it (errno=15008)-) N/A (jobId = [...]) (*1 time*)
  - ◆ Cannot take token (*77 times 0.42%*)
  - ◆ Cannot move ISB (***14222 time 78.07%***)
  - ◆ Cannot move OSB (*82 times 0.45%*)
  - ◆ Transfer to CREAM failed (*4 times 0.02%*)
    - ◇ due to exception: Authentication error: Unable to open the file [/var/glite/SandboxDir/[...]/user.proxy] : No such file or directory (*4 times*)
  - ◆ lsf\_reason (*30 times 0.16%*)
    - ◇ lsf\_reason=36608 (*17 times*)
    - ◇ lsf\_reason=256 (*13 times*)
  - ◆ Proxy is expired (*3113 times 17.09%*)
  - ◆ pbs\_reason (*688 times 3.78%*)
    - ◇ pbs\_reason=-1 (*656 times*)
    - ◇ pbs\_reason=271; Proxy expired: job killed Terminated Master process killed (*32 times*)



## 6) Test starts on Thu Jan 22 at 17:17:38 CET 2009 (WMS: devel14)

Description:

- 7200 collections each of 40 jobs
- One collection every 60 seconds
- Five users
- max\_ice\_threads = 20
- Used all the CEs of testbedB (except cert-06.cnaf)
- Used automatic-delegation and proxy renewal service
- Proxy has 5 hours of lifetime (and it is renewed every 4 hours)
- The job is a "sleep 4242"
- Resubmission is able
- Lease mechanism is not used
  
- Changes in the software wrt previous test:
  - ◆ CEs:
    - ◇ Fix for bug #45718
    - ◇ Fix for bug #45983
    - ◇ Fix for bug #46024
  - ◆ ICE
    - ◇ Use of same delegationid if CREAM complains that it doesn't exist anymore

**Test aborted on Fri Jan 23 10:30:12 CET 2009**

## 5) Test starts on Wed Jan 21 at 12:45:49 CET 2009 (WMS: devel14)

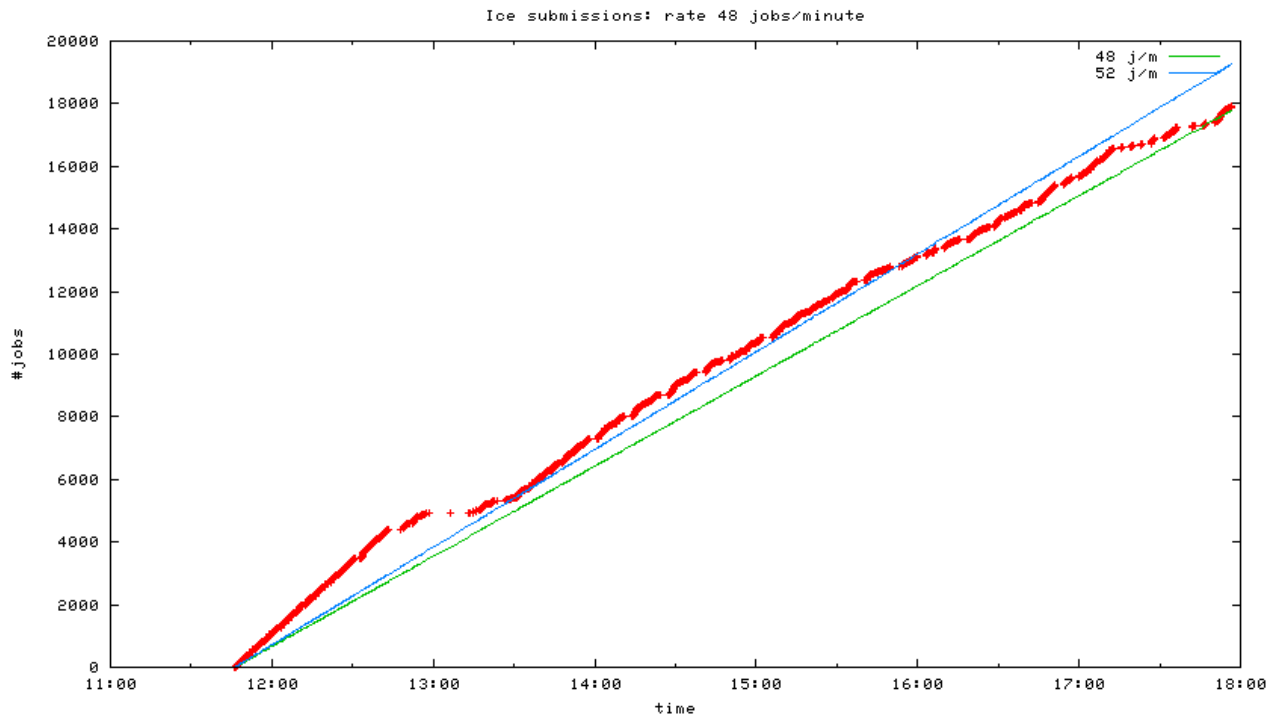
Description:

- 300 collections each of 80 jobs
- One collection every 60 seconds
- One user
- Set max\_ice\_threads = 40;
- Used the CEs of testbedB (only PD)
- Used automatic-delegation and proxy renewal service
- Proxy has 5 hours of lifetime (and it is renewed every 4 hours)
- The job is a "sleep 313"
- Resubmission is able
- Lease mechanism is not used

**Test finishes on Wed Jan 21 at 17:44:58 CET 2009**

- 224 collections submitted in 7416 seconds: 64/33/6 (max/avg/min)
  - ◆ 76 submissions fail due to load limiter
  
- Collections correctly submitted: 224 (17920 jobs)
  - ◆ DONE OK: 17850 (99.6%)
  - ◆ ABORTED: 0 (0.0%)
  - ◆ Not finished: 70 (0.4%)
  - ◆ Resubmissions: 8 (0.04%)

- Errors found (8):
  - ◆ Cannot move ISB (3 times)
  - ◆ lsf\_reason=1603 (3 times)
  - ◆ BLAH error (2 times)



#### 4) Test starts on Tue Jan 20 at 10:09:58 CET 2009 (WMS: devel14)

Description:

- 300 collections each of 80 jobs
- One collection every 60 seconds
- One user
- Used the lsf CEs of testbedB (PD+CNAF) (cert-06 at cnaf is not considered)
- Used automatic-delegation and proxy renewal service
- Proxy has 5 hours of lifetime (and it is renewed every 4 hours)
- The job is a "sleep 313"
- Resubmission is able
- Lease mechanism is not used

#### Test finishes on Tue Jan 20 at 15:13:14 CET 2009

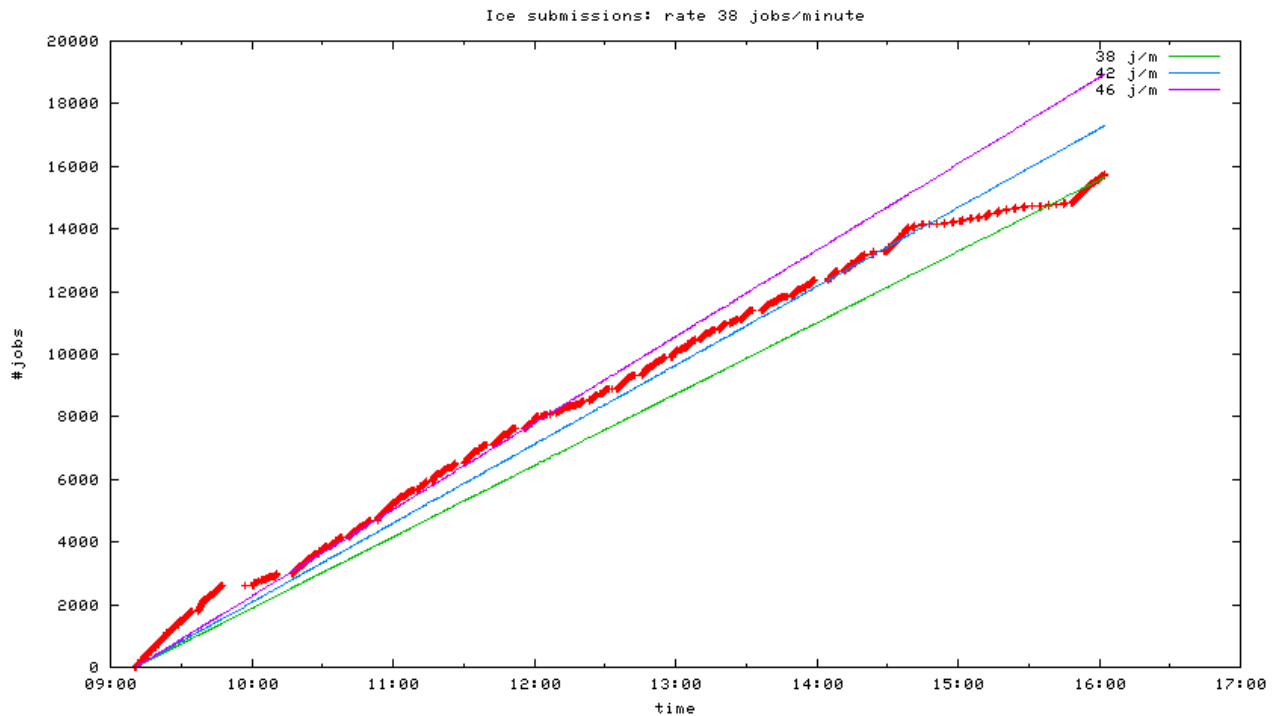
- 197 collections submitted in 8499 seconds: 84/43/9 (max/avg/min)
  - ◆ 103 submissions fail due to load limiter
- Collections correctly submitted: 197 (15760 jobs)
  - ◆ DONE OK: 15695 (99.6%)
  - ◆ ABORTED: 0 (0.0%)
  - ◆ Not finished: 65 (0.4%)
  - ◆ Resubmissions: 3 (0.02%)

- Errors found (3):

Test finishes on Wed Jan 21 at 17:44:58 CET 2009

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- ◆ Cannot move OSB (1 time)
- ◆ Cannot move ISB (2 times)



### 3) Test starts on Mon Jan 19 at 15:22:51 CET 2009 (WMS: devel14)

Description:

- 2880 collections each of 40 jobs
- One collection every 30 seconds
- One user
- Used the Isf CEs of testbedB (PD+CNAF)
- Used automatic-delegation and proxy renewal service
- Proxy has 5 hours of lifetime (and it is renewed every 4 hours)
- The job is a "sleep 313"
- Resubmission is enabled
- Lease mechanism is not used

Test has been modified on Mon Jan 19 at 17:03:41:

- 1440 collections each of 80 jobs
- One collection every 60 seconds

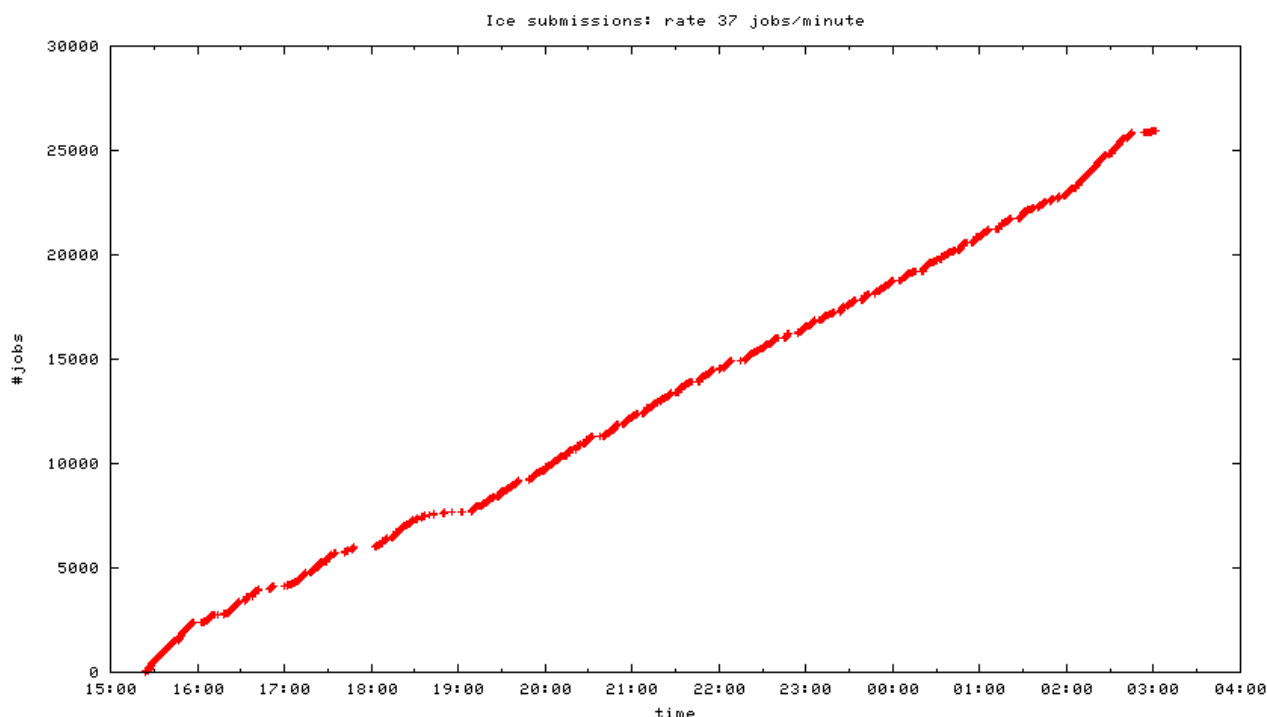
### Test finishes on Tue Jan 20 at 01:53:01 CET 2009

- Collections correctly submitted: 399 (24800 jobs)
  - ◆ DONE OK: 24702 (99.6%)
  - ◆ ABORTED: 0 (0.0%)
  - ◆ Not finished: 98 (0.4%)
  - ◆ Resubmissions: 1176 (4.74%)
- Errors found (1176):

Test finishes on Tue Jan 20 at 15:13:14 CET 2009

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- ◆ Cannot take token (*1 time 0.08%*)
- ◆ Cannot move ISB (*39 times 3.32%*)
- ◆ Transfer to CREAM failed (*50 times 4.25%*)
  - ◇ Transfer to CREAM failed due to exception: CREAM Register raised std::exception Received NULL fault; the error is due to another cause: FaultString=[Client fault] - FaultCode=[SOAP-ENV:Client] - FaultSubCode=[SOAP-ENV:Client] (*7 times*)
  - ◇ Transfer to CREAM failed due to exception: Authentication error: The proxy is EXPIRED! (*43 times*)
- ◆ lsf\_reason=32512 (***1085 times 92.27%***)
- ◆ lsf\_reason=306 (*1 time 0.08%*)



## 2) Test starts on Tue Jan 13 at 15:38:11 CET 2009 (WMS: devel14)

Description:

- 7200 collections each of 40 jobs
- One collection every 60 seconds
- One user
- Used the CEs of testbedB (PD+CNAF) plus cream-04.pd.infn.it
- Used automatic-delegation and proxy renewal service
- Proxy has 5 hours of lifetime (and it is renewed every 4 hours)
- The job is a "sleep 313"
- Resubmission is enabled
- Lease mechanism is not used
  
- Changes in the software wrt previous test:
  - ◆ CEs:
    - ◇ Fix for bug #45437
    - ◇ Fix for bug #45736
  - ◆ ICE
    - ◇ Management of serialization error

Test finishes on Tue Jan 20 at 01:53:01 CET 2009

◇ Renewal done at 80 % of lifetime of proxy (or when there are only 20 minutes left)

## Test finishes on Sun Jan 18 at 15:42:28 CET 2009

- 7180 collections submitted in 70789 seconds: 141/9/3 (max/avg/min)
  - ◆ 20 submissions fail due to load limiter
- Collections correctly submitted: 7180 ( 287200 jobs)
  - ◆ DONE OK: 284838 (99.18%)
  - ◆ ABORTED: 0 (0.0%)
  - ◆ Not finished: 2362 (0.82%)
  - ◆ Resubmissions: 4599 (1.60%)
- Errors found (4599):
  - ◆ blparser service is not alive (578 times 12.57%)
  - ◆ BLAH error (288 times 6.26%)
    - ◇ no jobId in submission script's output (stdout:) (stderr:) N/A (jobId = [...]) (52 times)
    - ◇ send command timeout (2 times)
    - ◇ submission command failed (exit code = 120) (stdout:) (stderr:glexec policy violation: see glexec log for more details-) N/A (jobId = [...]) (2 times)
    - ◇ submission command failed (exit code = -15) (stdout:) (stderr:-killed by signal 15-) N/A (jobId = [...]) (219 times)
    - ◇ submission command failed (exit code = 1) (stdout:) (stderr:qsub: Invalid credential-) N/A (jobId = [...]) (13 times)
  - ◆ Cannot take token (201 times 4.37%)
  - ◆ Cannot move OSB (1 time 0.02%)
  - ◆ Cannot move ISB (5 times 0.11%)
  - ◆ Transfer to CREAM failed (19 times 0.41%)
    - ◇ FaultCause=[The problem seems to be related to glexec which reported: java.io.IOException: Too many open files]" (10 times)
    - ◇ CREAM Register raised std::exception Connection to service [https://cert-xx.cnaf.infn.it:8443/ce-cream/services/CREAM2] failed: (9 times)
  - ◆ lsf\_reason=32512 (3505 times 76.22%)
  - ◆ Proxy is expired (1 time 0.02%)
  - ◆ lsf\_reason=306 (1 time 0.02%)
- Jobs not finished:

Schedul	Running	Tot.	Ce Name
0	6	6	cert-04.cnaf.infn.it
6	349	355	cream-34.pd.infn.it
0	3	3	cream-26.pd.infn.it
0	2	2	cream-25.pd.infn.it
5	332	337	cream-28.pd.infn.it
0	1	1	cream-27.pd.infn.it
0	2	2	cream-22.pd.infn.it
0	5	5	cream-04.pd.infn.it
0	1	1	cream-23.pd.infn.it
0	2	2	cert-07.cnaf.infn.it
1	0	1	cert-13.cnaf.infn.it
6	334	340	cream-29.pd.infn.it
9	327	336	cream-33.pd.infn.it
0	5	5	cert-08.cnaf.infn.it



0	2	2	cert-05.cnaf.infn.it
6	0	6	cert-06.cnaf.infn.it
6	307	313	cream-31.pd.infn.it
4	296	300	cream-32.pd.infn.it
8	337	345	cream-30.pd.infn.it
<b>51</b>	<b>2311</b>	<b>2362</b>	<b>Totals</b>

**BUGS:**

- CREAM
  - ◆ #46024 : Sometimes the AbstractJobExecutor throws the exception "Too many open files"
- BLAH
  - ◆ #45718 : Some check on log lines should be added on BLParser code
  - ◆ #45983 : BLAH can leave children processes behind.

**1) Test starts on Wed Jan 7 at 16:01:32 CET 2009 (WMS: devel18)**

Description:

- 7200 collections each of 40 jobs
- One collection every 60 seconds
- One user
- Used the CEs of testbedB (PD+CNAF) plus cream-12.pd.infn.it
- Used automatic-delegation and proxy renewal service
- Proxy has 5 hours of lifetime (and it is renewed every 4 hours)
- The job is a "sleep 313"
- Resubmission is able

Test stopped on Monday Jan 12 for a *serialization error* on ICE**Results taken on Mon Jan 12 at 12:52:56 CET 2009**

- Collections correctly submitted: 3733 (149320 jobs)
  - ◆ DONE OK: 144004 (96.44%)
  - ◆ ABORTED: 446 (0.3%)
  - ◆ Not finished: 4870 (3.26%)
- Errors found:
  - ◆ Transfer to CREAM failed due to exception:
    - ◇ FaultCause=[org.glite.ce.common.db.DatabaseException: Rollback executed due to: Deadlock found when trying to get lock; try restarting transaction]"
    - ◇ Authentication error: Unable to open the file [...]: No such file or directory
    - ◇ Connection to service [...] failed:
    - ◇ FaultCause=[User [...] not authorized for operation JobRegister]
    - ◇ FaultCause=[The problem seems to be related to glxexec which reported: java.io.IOException: Too many open files]"
    - ◇ FaultCause=[org.glite.ce.common.db.DatabaseException: Server connection failure during transaction. Due to underlying exception: 'java.net.SocketException: Too many open files'.
    - ◇ FaultCause=[java.net.UnknownHostException: cream-31.pd.infn.it: cream-31.pd.infn.it]"

Test finishes on Sun Jan 18 at 15:42:28 CET 2009

- ◇ CREAM Start raised exception Received NULL fault; the error is due to another cause: FaultString=[Client fault] - FaultCode=[SOAP-ENV:Client] - FaultSubCode=[SOAP-ENV:Client]
- ◇ Failed to get lease\_id for job [...] Exception is Lease renew operation FAILED for lease ID [...] Exception is Connection to service [https://cream-29.pd.infn.it:8443/ce-cream/services/CREAM2] failed:
- ◇ CREAM Start failed due to error MethodName=[JOB\_START] Timestamp=[Wed 07 Jan 2009 22:10:43] ErrorCode=[2] Description=[the job has a status not compatible with the JOB\_START command!] FaultCause=[N/A]
- ◆ BLAH error:
  - ◇ submission command failed (exit code = -15) (stdout:) (stderr:/opt/glite/etc/blah.config: line 54: syntax error near unexpected token `(-/opt/glite/etc/blah.config: line 54: `//Added for test by Enrico Fattibene (07/01/2009)'--killed by signal 15-) N/A (jobId = CREAM251333253)
  - ◇ submission command failed (exit code = 120) (stdout:) (stderr:glxec policy violation: see glxec log for more details-) N/A (jobId = CREAM550710004)
  - ◇ submission command failed (exit code = 1) (stdout:) (stderr:Cannot resolve default server host 'cream-28.pd.infn.it' - check server\_name file.-qsub: cannot connect to server cream-28.pd.infn.it (errno=15008)-) N/A (jobId = CREAM027575485)
  - ◇ submission command failed (exit code = -15) (stdout:) (stderr:-killed by signal 15-) N/A (jobId = CREAM752590056)
  - ◇ no jobId in submission script's output (stdout:) (stderr:) N/A (jobId = CREAM988027857)
- ◆ DELEGATION\_PROXY\_CERT\_SANDBOX\_PATH not defined!
- ◆ Cannot move ISB [...] The proxy credential [...] expired 0 minutes ago.
- ◆ Proxy is expired; Proxy expired: job killed Terminated Master process killed
- ◆ lsf\_reason=32512
- ◆ Lease expired
- ◆ The job cannot be submitted because the blparser service is not alive

## BUGS:

- CREAM
  - ◆ #45914 : glxec and proxy rotation
  - ◆ #45913 : Proxy renewal not done for CREAM jobs not yet in IDLE status
  - ◆ #45736 : Problems in case of resubmissions in the same CREAM CE
  - ◆ #45437 : Sometimes the jobPurger throws the exception "Too many open files"
- BLAH
  - ◆ #45718 : Some check on log lines should be added on BLParser code
  - ◆ #45717 : BLParserPBS should consider log lines like "unable to run job"

-- AlessioGianelle - 08 Jan 2009

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This topic: EgeeJra1It > WmsTestsP2459

Topic revision: r75 - 2011-02-24 - AlessioGianelle



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