

glite_wms_R_3_1_100

WMPROXY - UI

- **BUG: #41072** : After two consecutive fails due to error System load is too high the `glite_wms_job_submit` command returns this error:

```
-----  
22 July 2008, 12:31:19 -I- PID: 16522 (Debug) - Calling the WMPProxy delegationns__getProxy  
-----  
<?xml version="1.0" encoding="UTF-8"?>  
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
```

- **Command `glite-wms-job-info --jdl` doesn't work with nodes of a collection #38689**

```
[ale@cream-15 UI]$ glite-wms-job-info --jdl https://devel17.cnaf.infn.it:9000/RAeQ1KgqrjHK  
  
Connecting to the service https://devel19.cnaf.infn.it:7443/glite_wms_wmproxy_server  
  
Error - WMPProxy Server Error  
Unable to read file: /var/glite/SandboxDir/RA/https_3a_2f_2fdevel17.cnaf.infn.it_3a9000_2f  
(please contact server administrator)  
  
Method: getJDL
```

- **Sometimes `wmproxy` returns this error message submitting a job:**

```
Connection failed: HTTP Error  
<html><head>  
<title>500 Internal Server Error</title>  
</head><body>  
<h1>Internal Server Error</h1>  
<p>The server encountered an internal error or  
misconfiguration and was unable to complete  
your request.</p>  
<p>Please contact the server administrator,  
[no address given] and inform them of the time the error occurred,  
and anything you might have done that may have  
caused the error.</p>  
<p>More information about this error may be available  
in the server error log.</p>  
</body></html>  
  
Error code: SOAP-ENV:Server
```

- **I submit a job with a proxy of a VO which is not enabled on the WMS; the error message is not so clear:**

```
Warning - Unable to delegate the credential to the endpoint: https://devel19.cnaf.infn.it:  
Unknown Soap fault  
Method: Soap Error
```

- **BUG #39217** . Submitting a "parametric" jobs it always failed with this error:

```
*****  
BOOKKEEPING INFORMATION:  
  
Status info for the Job : https://devel17.cnaf.infn.it:9000/wzOz1QuyFAEJ5JnwXHUhg  
Current Status: Aborted  
Status Reason: requirements: unable to complete the operation: the attribute has not l
```

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Submitted: Wed Jun 25 16:25:03 2008 CEST

To help debugging:

```
27 Jun, 13:42:53 -D- PID: 5326 - "wmpgsoapoperations::ns1__jobStart": -----
27 Jun, 13:42:53 -D- PID: 5326 - "wmpgsoapoperations::ns1__jobStart": Method: jobStart
27 Jun, 13:42:53 -D- PID: 5326 - "wmpgsoapoperations::ns1__jobStart": Code: 1502
27 Jun, 13:42:53 -D- PID: 5326 - "wmpgsoapoperations::ns1__jobStart": Description: requirements:
27 Jun, 13:42:53 -D- PID: 5326 - "wmpgsoapoperations::ns1__jobStart": Stack:
27 Jun, 13:42:53 -D- PID: 5326 - "wmpgsoapoperations::ns1__jobStart": AdEmptyException: requireme
    at Ad::delAttribute(const string& attr_name)[Ad.cpp:180]
27 Jun, 13:42:53 -D- PID: 5326 - "wmpgsoapoperations::ns1__jobStart":   at JobAd::delAttribute(co
27 Jun, 13:42:53 -D- PID: 5326 - "wmpgsoapoperations::ns1__jobStart":   at submit()[wmpcoreoperat
27 Jun, 13:42:53 -D- PID: 5326 - "wmpgsoapoperations::ns1__jobStart":   at jobStart()[wmpcoreoper
27 Jun, 13:42:53 -D- PID: 5326 - "wmpgsoapoperations::ns1__jobStart": -----
```

- The status of a collection (or a dag) is correctly set to CLEARED after a "glite-wms-get-output", but its nodes remain in "Done (Success)" status. (Bug #40951)

BOOKKEEPING INFORMATION:

```
Status info for the Job : https://devel17.cnaf.infn.it:9000/xe-J0mjeFjU86p2mstn8-A
Current Status:      Cleared
Status Reason:      user retrieved output sandbox
Destination:        dagman
Submitted:          Wed Jun 25 16:08:43 2008 CEST
*****
```

- Nodes information for:

```
Status info for the Job : https://devel17.cnaf.infn.it:9000/6NeMtTefAmTCRI0N1waKzA
Current Status:      Done (Success)
Logged Reason(s):
  - Job terminated successfully
Exit code:           0
Status Reason:      Job terminated successfully
Destination:        ce-01.roma3.infn.it:2119/jobmanager-lcgpbs-cert
Submitted:          Wed Jun 25 16:08:43 2008 CEST
*****
```

```
Status info for the Job : https://devel17.cnaf.infn.it:9000/OpPpNrh1EYNwPhjQQaVazQ
Current Status:      Done (Success)
Logged Reason(s):
  - Job terminated successfully
Exit code:           0
Status Reason:      Job terminated successfully
Destination:        atlasce01.na.infn.it:2119/jobmanager-lcgpbs-cert
Submitted:          Wed Jun 25 16:08:43 2008 CEST
*****
```

- One collection over 60 submissions remains in "Waiting" status due to a LB problem (its nodes are in status "Submitted"); this are the wmpoxy logs: (Bug #40982)

```
23 Jun, 18:58:18 -D- PID: 24834 - "WMPEventlogger::isAborted": Querying LB Proxy...
23 Jun, 18:58:18 -D- PID: 24834 - "WMPEventlogger::isAborted": LBProxy is enabled
Unable to query LB and LBProxy
edg_wll_QueryEvents[Proxy]
Exit code: 4
LB[Proxy] Error: Interrupted system call
(edg_wll_plain_read())
23 Jun, 18:58:18 -D- PID: 24834 - "wmpcoreoperations::jobStart": Logging LOG_ENQUEUE_FAIL
23 Jun, 18:58:18 -D- PID: 24834 - "WMPEventlogger::logEvent": Logging to LB Proxy...
23 Jun, 18:58:18 -D- PID: 24834 - "WMPEventlogger::logEvent": Logging Enqueue FAIL event..
```

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```
23 Jun, 18:58:19 -D- PID: 24834 - "WMPEventlogger::testAndLog": LB call succeeded
23 Jun, 18:58:19 -D- PID: 24834 - "wmpcoreoperations::jobStart": Removing lock...
23 Jun, 18:58:19 -I- PID: 24834 - "wmpgsoapoperations::nsl__jobStart": jobStart operation

23 Jun, 18:58:19 -I- PID: 24834 - "wmproxy::main": ----- Exiting Server Instance -----
23 Jun, 18:58:19 -I- PID: 24834 - "wmproxy::main": Signal code received: 15
23 Jun, 18:58:19 -I- PID: 24834 - "wmproxy::main": -----
```

- There is this warning in wmproxy submitting collections:

```
19 Jun, 14:58:32 -W- PID: 2746 - "wmpcoreoperations::submit": Unable to find SDJRequirement
```

- Found a problem in the wmproxy. After some collections submissions it stops working and with the top command you can see that the glite-wms-proxy processes are using all the CPU (It seems that the problem is related with the porting to gsoap 2.7.10):

```
[Thu Jun 19 15:43:50 2008] [warn] FastCGI: (dynamic) server "/opt/glite/bin/glite_wms_wmpr
```

WM

- If a job is in the WM's queue:

```
*****
BOOKKEEPING INFORMATION:

Status info for the Job : https://devel17.cnaf.infn.it:9000/b9w6Uh1EPfWm6ZFHqhiioQ
Current Status:      Waiting
Submitted:          Wed Jul 23 11:50:42 2008 CEST
*****
```

it is not possible to cancel it:

```
*****
LOGGING INFORMATION:

Printing info for the Job : https://devel17.cnaf.infn.it:9000/b9w6Uh1EPfWm6ZFHqhiioQ

---
Event: RegJob
- Source          = NetworkServer
- Timestamp       = Wed Jul 23 11:50:42 2008 CEST
---
Event: RegJob
- Source          = NetworkServer
- Timestamp       = Wed Jul 23 11:50:42 2008 CEST
---
Event: UserTag
- Source          = NetworkServer
- Timestamp       = Wed Jul 23 11:50:42 2008 CEST
---
Event: Accepted
- Source          = NetworkServer
- Timestamp       = Wed Jul 23 11:50:43 2008 CEST
---
Event: EnQueued
- Result          = START
- Source          = NetworkServer
- Timestamp       = Wed Jul 23 11:50:43 2008 CEST
---
Event: EnQueued
- Result          = OK
- Source          = NetworkServer
- Timestamp       = Wed Jul 23 11:50:43 2008 CEST
```

```

---
Event: Cancel
- Source           = NetworkServer
- Timestamp        = Wed Jul 23 12:31:13 2008 CEST
---
Event: Cancel
- Source           = WorkloadManager
- Timestamp        = Wed Jul 23 12:31:13 2008 CEST
---
Event: Cancel
- Source           = JobController
- Timestamp        = Wed Jul 23 12:31:15 2008 CEST
---
Event: Cancel
- Source           = JobController
- Timestamp        = Wed Jul 23 12:31:15 2008 CEST

```

- If you remove a pending node the request is not removed from the "old" directory of the jobdir:

```

/var/glite/workload_manager/jobdir/old:
total 16
-rw-r--r--  1 glite glite 250 Jul  9 13:37 20080709T113710.627592_3086920576
-rw-r--r--  1 glite glite 250 Jul  9 13:37 20080709T113711.225739_3086920576
-rw-r--r--  1 glite glite 250 Jul  9 13:37 20080709T113711.794866_3086920576
-rw-r--r--  1 glite glite 250 Jul  9 13:37 20080709T113712.361657_3086920576

```

- After the recovery of a collection the "pending" nodes are forgotten.

JC/LM

ICE

LB

- The status of the collection is not correctly computed
- glite-lb-interlogd doesn't stop (you need a "kill -9")

Configuration

- Add glite-wms-ice to the metapackage dependencies
- Add glite-info-provider-service to the metapackage dependencies
- Bug #39308
 - ◆ Remove "rgma" from the environment variable GLITE_SD_PLUGIN
 - ◆ Add "globus gridftp" at the gliteservices list (gLiteServices)
 - ◆ Modify the cron purger file

```

# Execute the 'purger' command at every day except on Sunday with a frequency of six
3 */6 * * mon-sat glite . /opt/glite/etc/profile.d/grid-env.sh ; /opt/glite/sbin/glite-wms-ice

```

```

# Execute the 'purger' command on each Sunday (sun) forcing removal of dag nodes,
# orphan dag nodes without performing any status checking (threshold of 2 weeks).
0 1 * * sun glite . /opt/glite/etc/profile.d/grid-env.sh ; /opt/glite/sbin/glite-wms-ice

```

- ◆ Set the ICE configuration section
- ◆ Remove IsmBlackList parameter
- ◆ Set jobdir as the default for the DispatcherType parameter of wm
- ◆ Add the parameter EnableRecovery = true; to the wm configuration section
- ◆ Add this cron to create the host proxy:

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```
0 */6 * * * glite . /opt/glite/etc/profile.d/grid-env.sh ; /opt/glite/sbin/glite-wms
```

- ◆ Rotate the logs of the purgeStorage
- Remove from the metapackage these rpms:
 - ◆ checkpointing
 - ◆ partitioner
 - ◆ interactive (and thirdparty-bypass)
 - ◆ rgma-* (and service-discovery-rgma-c)
- Check bugs #35244
- BUG #30900 : default value on WMS conf file is again: MinPerusalTimeInterval = 5;

Other

- BUG #39215
 - ◆ If you use in the cron-purger the option `-n`, no check is done against option `-t`: e.g. nodes are purged also if they are in running state
 - ◆ On script `glite-wms-purgeStorage.sh` the command `glite-wms-create-proxy.sh` has to be called with its path:

```
[glite@devel19 ~]$ /opt/glite/sbin/glite-wms-purgeStorage.sh -l /var/log/glite/glite
Certificate will expire
/opt/glite/sbin/glite-wms-purgeStorage.sh: line 27: glite-wms-create-proxy.sh: comman
```

- ◆ Probably on `/opt/glite/sbin/glite-wms-create-proxy.sh` it is better to use the `--force` option for command `mv`, instead the `move` commands should be blocked here:

```
[glite@devel19 ~]$ mv /var/glite/wms.proxy.14913 /var/glite/wms.proxy
mv: overwrite `/var/glite/wms.proxy', overriding mode 0400?
```

- Bug #40967 : Problems in script `glite_wms_wmproxy_load_monitor`

-- AlessioGianelle - 20 Jun 2008

This topic: EgeeJra1It > WmsBugs3dot1dot100

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