Table of Contents

Devel10 Work Log

WMS 3.2 patch #3621 + patch CDF

2009-07-08 (Fabio)

- System reinstalled
- WMS installed

WMS 3.1 *patch 1251*

2007-11-27 (Ale)

- Updates CAs to version 1.18-1

2007-11-12 (Danilo)

- Start testing fix for bug 28235   installing:
  - ♦ glite-jdl-api-cpp-3.1.12-1.i386.rpm
  - ♦ glite-wms-helper-3.1.16-2.i386.rpm
  - ♦ glite-wms-matchmaking-3.1.6-1.i386.rpm

2007-08-29 (Ale)

- Restarting the services
- Use "jobdir" instead of "filelist" for the WM queue setting on the WorkloadManager section of **glite_wms.conf** file:
  - ♦ DispatcherType = "jobdir";
  - ♦ Input = "${GLITE_LOCATION_VAR}/workload_manager/jobdir";
  - ♦ and creating the directory:
    - ◊ /var/glite/workload_manager/jobdir/tmp
    - ◊ /var/glite/workload_manager/jobdir/new
    - ◊ /var/glite/workload_manager/jobdir/old

2007-08-27 (Ale)

- Shutdown due to maintenance to electrical distribution.

2007-08-21 (Ale)

- Update rpms using the official repository at Cern
  - ♦ glite-lb-client (2.3.4-1 => 2.3.5-1)
  - ♦ glite-yaim-core (3.1.0-2.3 => 3.1.1-8)
- Restarting services

2007-07-23 (Ale)

- Reopen the WMS to test users.

2007-07-17 (Ale)

- Close for update!
- Reinstall the machine from scratch
- Install a new WMS service following these instructions

- The rpms installed are the ones of patch #1251
- Intstalled **glite-wms-ice-3.1.16-1** rpm
- Added this cron-job to clean periodically LB databases (you need to fix first a silly bug on script $GLITE_LOCATION/sbin/glite-lb-export.sh):

```
[root@devel10 etc]# cat /etc/cron.d/lb-purger.cron
#! /bin/sh
GLITE_LB_EXPORT_BKSERVER="devel12.cnaf.infn.it"
# run every wednesday and sunday at 01:00
0 1 * * wed,sun glite . /etc/profile.d/grid-env.sh ; $GLITE_LOCATION/sbin/glite-lb-export.sh >> /
```

2007-07-12 (Ale)

- Update the following rpms:
    - glite-ce-cream-client-api-c (1.7.14-0 => 1.7.15-1)
    - glite-ce-monitor-client-api-c (1.7.12-0 => 1.7.13-1)
    - glite-wms-configuration (3.1.7-1 => 3.1.9-1)
    - glite-wms-ice (3.1.16-1 => 3.1.17-1)
    - glite-wms-wmproxy (3.1.26-2 => 3.1.27-1)
    - lcg-CA (1.14-1 => 1.15-1)
- Bug fixed:
    - #27856 : Multiple subscriptions for the same user can occur
    - #27724 : Wms configuration files overwritten when updating rpm (glite_wms.conf)
    - #27708 : WMProxy missing dependency on glite-security-lcmaps-plugins-basic
- Restarted ICE service

2007-07-03 (Ale)

- Set *MaxOutputSandboxSize = -1* on **glite_wms.conf** as workaround for bug #27215
- Restart workload manager

2007-06-29 (Ale)

- Update rpms using patch #1203
- The bugs that have been fixed with this update are:
    - #25680 : job submission --nodes-resource option does not work for dags/collections
    - #26857 : The "max-rank" selection algorithm for collection under some particular circumstances does not work properly
    - #26913 : The MM does not use information about previous matches retrying the same CEs
    - #26705 : The standalone purger does not work anymore, due to the lack of proxy file.
    - #27042 : When ICE starts executes a lease update even if start_lease_updater is false
    - #26537 : ICE Fails to build on SLC4
    - #27215 : WM to set the maximum output sandbox size
    - #27126 : generation of unique filenames in jobdir is not reliable
    - #27042 : When ICE starts executes a lease update even if start_lease_updater is false
    - #26952 : WMProxy server does check mandatory attributes for collection after returning jobid to client
    - #26968 : There's a memory leak in a method that extract the proxy time left
- Create a new cron entry for the purge:

```
HOME=/
MAILTO=root@localhost
# Execute the 'purger' command at every day except on Sunday with a frequency of one hour
# if and only if the percentage of allocated blocks is greater than 40%
0 */6 * * mon-sat glite . /etc/glite/profile.d/glite_setenv.sh ; $GLITE_LOCATION/sbin/glite-wms-p

# Execute the 'purger' command at 4:00 AM, 8:00 AM, 12:00 noon, 4:00 PM,
```

WMS 3.1 patch 1251   2

```
# and 8:00 PM (0 */4) on each Sunday (sun).
0 */4 * * sun glite . /etc/glite/profile.d/glite_setenv.sh ; $GLITE_LOCATION/sbin/glite-wms-purge
```

- Run the purger cron job to create the host proxy
- Update mod_fastcgi-2.4.3-1.slc3.i386.rpm
- create a crontab jobs to rotate wmproxy logs:

```
HOME=/
MAILTO=root@localhost
0 */2 * * * root /usr/sbin/logrotate -v /opt/glite/etc/wmproxy_logrotate.conf > /var/log/glite/lo
```

- On **glite_wms_wmproxy_httpd.conf** comment these lines

```
#CustomLog "|/usr/sbin/rotatelogs ${GLITE_LOCATION_LOG}/httpd-wmproxy-access_%Y-%m-%d-%H.log 50M"
#ErrorLog "|/usr/sbin/rotatelogs ${GLITE_LOCATION_LOG}/httpd-wmproxy-errors_%Y-%m-%d-%H:%M.log 10
```

- and uncomment these ones:

```
CustomLog       ${GLITE_LOCATION_LOG}/httpd-wmproxy-access.log combined
ErrorLog        ${GLITE_LOCATION_LOG}/httpd-wmproxy-errors.log
```

- Reopen the WMS to test users.

2007-06-26 (Ale)

- Stop the services to debug a problem with the LBserver.

2007-05-31 (Ale)

- Reopen the WMS to test users.

2007-05-30 (Ale)

- Stop the services to update the rpms.
- Starting from rpms on patch #1167   I update these rpms:
    - ♦ glite-wms-common_R_3_1_14_1 and glite-wms-configuration_R_3_1_6_1 to fix bug #26432
    - ♦ glite-wms-manager_R_3_1_27_1 to fix a compilation problem
    - ♦ glite-wms-wmproxy_R_3_1_25_1 to fix bugs #26586 , #26737   and #26237
    - ♦ glite-wms-ism_R_3_1_14_1 to fix bug #26654
- Update also glite-wms-ice_R_3_1_13_1, glite-ce-cream-client-api-c and glite-ce-monitor-client-api-c
- A new BDII which contains a CREAM-CE (prod-ce-02.pd.infn.it:8443/cream-lsf-creamusr2) is now used: egee-bdii.cnaf.infn.it

2007-05-14 (Ale)

- Update glite-wms-jobsubmission rpm using tag: glite-wms_R_3_1_60_1 (see bug #23401)
- Reopen the WMS to test users.

2007-05-11 (Ale)

- It passed the usual test... Success > 99%

2007-05-10 (Ale)

- Update rpms using these tags:

WMS 3.1 patch 1251   3

- ♦ org.glite.lb.version = glite-lb_R_1_4_5_2
- ♦ org.glite.wms.version = glite-wms_R_3_1_59_1
- Bug Fixed
    - ♦ #26269 : JC locks the filelist without giving to WM possibility to submit new requests
    - ♦ #23401 : Job failure - gethostbyname error in condor submission
    - ♦ #22795 : timer-log file are not removed by LM
    - ♦ #26208 : LM stopped on bad SizeFile object
    - ♦ #26157 : The WM dies while processing a collection with pending nodes
    - ♦ #26213 : Handling of LB errors needs to be improved
    - ♦ #25767 : Purging does not work on collections.
    - ♦ #26267 : The purger does not work: creation of lb context always fails.
    - ♦ #26250 : Wms client timeout approach does not work properly
    - ♦ #25677 : the LB cannot handle decimal numbers in the quantity field used to log resource usage

2007-05-03 (Ale)

- Stop the services to update the rpms.
- Change apt source list: rpm http://goldrake.cnaf.infn.it:8080/ibrido/archives/glite_branch_3_1_0_continuous/repository . i386 noarch
- Update rpms using these tags:
    - ♦ org.glite.ce.version = glite-ce_R_1_7_13_0
    - ♦ org.glite.jdl.version = glite-jdl_R_3_1_11_1
    - ♦ org.glite.lb.version = glite-lb_R_1_4_4_1
    - ♦ org.glite.security.version = glite-security_R_3_1_38_1
    - ♦ org.glite.wms-utils.version = glite-wms-utils_R_3_1_8
    - ♦ org.glite.wms.version = glite-wms_R_3_1_58_1
- The fixes introduced by the new LB tag are for these bugs:
    - ♦ #25872 : glite-lb-bkserverd looping in malloc_consolidate()
    - ♦ #25677 : the LB cannot handle decimal numbers in the quantity field used to log resource usage
- Removed old logs files and Sandboxes

2007-04-19 (Ale)

- Changed the vomses file (**/opt/glite/etc/vomses**) to add new voms server and the cms VO for proxy renewal:

```
"ops" "lcg-voms.cern.ch" "15009" "/C=CH/O=CERN/OU=GRID/CN=host/lcg-voms.cern.ch" "ops"
"dteam" "lcg-voms.cern.ch" "15004" "/C=CH/O=CERN/OU=GRID/CN=host/lcg-voms.cern.ch" "dtea
"atlas" "lcg-voms.cern.ch" "15001" "/C=CH/O=CERN/OU=GRID/CN=host/lcg-voms.cern.ch" "atla
"cms" "lcg-voms.cern.ch" "15002" "/C=CH/O=CERN/OU=GRID/CN=host/lcg-voms.cern.ch" "cms"
"dteam" "voms101.cern.ch" "15004" "/DC=ch/DC=cern/OU=computers/CN=voms.cern.ch" "dteam"
"atlas" "voms101.cern.ch" "15001" "/DC=ch/DC=cern/OU=computers/CN=voms.cern.ch" "atlas"
"ops" "voms101.cern.ch" "15009" "/DC=ch/DC=cern/OU=computers/CN=voms.cern.ch" "ops"
"cms" "voms101.cern.ch" "15002" "/DC=ch/DC=cern/OU=computers/CN=voms.cern.ch" "cms"
```

2007-04-05 (Ale)

- Update the glite-wms-classad_plugin rpm (glite-wms-classad_plugin-3.1.5-1) to fix bug 25125 : problem with FQAN VOViews.
- Add the last fix for the InterLogger problem (glite-lb-logger-1.4.2-1).
- Update the glite-wms-ice rpm (glite-wms-ice-3.1.9-1) to fix bug 25275 : fails to build on SLC4.
- Change the frequency at which the purger in cron is running: from every 1hour to every 6 hours

- Do a preliminary test using only LCG-CE (Requirements =
  RegExp("\/blah-",other.GlueCEUniqueID)) submitting simple jobs (81 collections of 100 jobs each):
    - ◆ Success: 7851 (96.9%)
    - ◆ Aborted: 249 (3.1%) (Proxy expired)
- Reopen the WMS to test users.

2007-04-02 (Ale)

- Stop the services to update the rpms.
- Update rpms using these tags:
    - ◆ glite-jdl_R_3_1_11_1
    - ◆ glite-lb_R_1_4_1_1
    - ◆ glite-security_R_3_1_35_1
    - ◆ glite-wms-utils_R_3_1_8
    - ◆ glite-wms_R_3_1_48_1
- Change the parameter in the WorkloadManager session: EnableBulkMM = true; (i.e. the wms is now
  dagless as devel09)
- The new LB is able to recognize the dagless-collection

2007-03-20

- Added cern monitoring tool, customized to be run from a non-UI machine:
  http://yam-server.cnaf.infn.it/monitoring/monitoring.html

2007-03-16 (Ale)

- Stop the services to update the rpms.
- Give the commands *apt-get update* and *apt-get dist-upgrade*
    - ◆ the ca_* rpms are update from 1.12-1 => 1.13-1
- Now the most interestings installed tags are:
    - ◆ glite-jdl_R_3_1_10_1
    - ◆ glite-jp_R_1_3_5_1
    - ◆ glite-lb_R_1_3_7_3
    - ◆ glite-security_R_3_1_33_1
    - ◆ glite-wms-utils_R_3_1_8
    - ◆ glite-wms_R_3_1_43_1
- Restarted the services
- Do a preliminary test using only LCG-CE (Requirements =
  RegExp("\/blah-",other.GlueCEUniqueID)) submitting 1700 simple jobs (17 collections):
    - ◆ Success: 1700 (100%)
- Reopen the WMS to test users.

2007-03-08 (Ale)

- Change apt source list: rpm
  http://goldrake.cnaf.infn.it:8080/ibrido/archives/glite_branch_3_1_0/repository   . i386 noarch
- Update LB rpms according to patch #1061   "Pull-in recent LB 3.0 bug fixes":
  *apt-get install glite-lb-client glite-lb-logger glite-lb-server-bones glite-lb-ws-interface
  glite-lb-common glite-lb-server*
- Restarted the services

2007-03-06

- Installed normal 3.0 WMS

- Removed c-ares. Installed c-ares from the cern cert apt repository
- Inserted in apt source lists the goldrake repository: rpm
  http://goldrake.cnaf.infn.it:8080/ibrido/archives/glite_branch_3_1_0_continuous/repository   . i386
  noarch
- *apt-get remove glite-WMS*; *apt-get remove glite-wms-manager-ns-daemon*; *apt-get dist-upgrade*
- replaced gacl and grid-mapfile
- *cp /opt/c-ares/lib/* /lib*
- Installed condor 6.8.4: *rpm -Uvh condor-6.8.4-linux-x86-rhel3-dynamic-1.i386.rpm*
- *ln -s /opt/condor-6.8.4/ condor-c* (and modify all conf files of condor and setenv to use this link)
- *rpm -Uvh google-perftools-**
- Create file **/etc/nospma** to avoid SPMA downgrade
- Add following lines into **/opt/condor-c/local.devel10/condor_config.local**:

```
NEGOTIATOR_MATCHLIST_CACHING = False
GRIDMANAGER_TIMEOUT_MULTIPLIER = 3
SCHEDD_TIMEOUT_MULTIPLIER = 3
COLLECTOR_TIMEOUT_MULTIPLIER = 3
C_GAHP_TIMEOUT_MULTIPLIER = 3
C_GAHP_WORKER_THREAD_TIMEOUT_MULTIPLIER = 3
TOOL_TIMEOUT_MULTIPLIER = 3
GLITE_CONDORC_DEBUG_LEVEL = 2
GLITE_CONDORC_LOG_DIR = /var/tmp
```

- To apply the patch #1026 : "WMProxy memory allocation doesn't increase anymore" one needs to:
    - Add "export GLITE_WMS_WMPROXY_MAX_SERVED_REQUESTS=50" into
      /etc/glite/profile.d/glite_setenv.sh
    - Add "setenv GLITE_WMS_WMPROXY_MAX_SERVED_REQUESTS 50" into
      /etc/glite/profile.d/glite_setenv.csh
    - In **/opt/glite/etc/glite_wms_wmproxy_httpd.conf**, replace FastCgiConfig line with:
      "FastCgiConfig -restart -restart-delay 5 -idle-timeout 3600 -maxProcesses 25
      -maxClassProcesses 20 -minProcesses 2 -listen-queue-depth 200 -gainValue 0.75 -killInterval
      240 -updateInterval 240 -singleThreshold 15 -initial-env
      GLITE_WMS_WMPROXY_MAX_SERVED_REQUESTS -initial-env
      LD_LIBRARY_PATH -initial-env GLITE_LOCATION_VAR -initial-env
      GLITE_LOCATION_LOG -initial-env GLITE_LOCATION_TMP -initial-env
      RGMA_HOME -initial-env GLITE_SD_VO -initial-env GLITE_SD_PLUGIN -initial-env
      LCG_GFAL_INFOSYS -initial-env HOSTNAME -initial-env
      GLITE_WMS_WMPROXY_WEIGHTS_UPPER_LIMIT"
    - Add at then end of the PassEnv section of file
      /opt/glite/etc/glite_wms_wmproxy_httpd.conf the following two lines:

```
PassEnv GLITE_WMS_WMPROXY_MAX_SERVED_REQUESTS
PassEnv GLITE_PR_TIMEOUT
```

- In the WM section of **glite_wms.conf**, add

```
CeForwardParameters = { "GlueHostMainMemoryVirtualSize", "GlueHostMainMemoryRAMSiz
```

- *cp /opt/glite/etc/lcmaps/lcmaps.db.template /opt/glite/etc/lcmaps/lcmaps.db*
- *mkdir /var/glite/ice*; *mkdir /var/glite/icepersist_dir*; *chown -R glite.glite /var/glite/ice*
- in **/etc/cron.d/glite-wms-wmproxy-purge-proxycache.cron**, change
  glite_wms_wmproxy_purge_proxycache to glite-wms-wmproxy-purge-proxycache.
- Modified some **glite_wms.conf** parameters to sync with cern services (see attached files)
- Restart all the services

-- AlessioGianelle - 13 Nov 2007

This topic: EgeeJra1It > WorkLogDevel10
Topic revision: r3 - 2010-07-08 - FabioCapannini