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Devel14 Work Log

2011-05-06 (Ale)

- Update kernel 2.6.9-100.EL

2011-03-23 (Ale)

- Update kernel
- Installed Puppet

2011-01-25 (Ale)

- Migration of the dteam VO from CERN to EGI VOMS following these instructions

2011-01-13 (Ale)

- Update:

```
lcg-vomscerts          noarch      6.3.0-1          glite-WMS
```

- Update kernel
- Reboot

2010-10-25 (Ale)

- Update:

```
lcg-CA                  noarch      1.37-1           CA                2.0 k
lcg-vomscerts          noarch      6.1.0-1          glite-WMS         20 k
```

- Update to patch 4388

```
glite-WMS              i386        3.1.30-0.slc4    ETICS-name-patch_4388_1  5.3 k
glite-info-provider-release noarch      1.0.2-1          ETICS-name-patch_4388_1  3.0 k
glite-lb-client        i386        3.2.4-1.slc4     ETICS-name-patch_4388_1  1.4 M
glite-lb-client-interface i386        3.2.2-2.slc4     ETICS-name-patch_4388_1  473 k
glite-lb-common        i386        6.1.4-1.slc4     ETICS-name-patch_4388_1  655 k
glite-lb-logger        i386        1.4.12-1.slc4    ETICS-name-patch_4388_1  47 k
glite-lb-notif-logger  i386        1.0.1-1.slc4     ETICS-name-patch_4388_1  27 k
glite-lb-proxy         i386        1.5.3-4.slc4     ETICS-name-patch_4388_1  107 k
glite-lb-server        i386        1.9.6-1.slc4     ETICS-name-patch_4388_1  726 k
glite-lb-server-bones  i386        2.2.7-2.slc4     ETICS-name-patch_4388_1  20 k
glite-lb-utils         i386        1.3.0-3.slc4     ETICS-name-patch_4388_1  27 k
glite-lb-ws-interface  i386        2.5.1-2.slc4     ETICS-name-patch_4388_1  22 k
glite-security-proxyrenewal i386        1.3.8-5.slc4     ETICS-name-patch_4388_1  86 k
glite-security-voms-api-c i386        1.9.10-12.slc4   ETICS-name-patch_4388_1  4.0 M
glite-security-voms-api-cpp i386        1.9.10-12.slc4   ETICS-name-patch_4388_1  4.8 M
glite-version          noarch      3.1.2-1          ETICS-name-patch_4388_1  4.4 k
glite-wms-ice          i386        3.1.53-1.slc4    ETICS-name-patch_4388_1  10 M
glite-yaim-core        noarch      4.0.13-2         ETICS-name-patch_4388_1  124 k
gridsite-apache        i386        1.1.21-1.slc4    ETICS-name-patch_4388_1  86 k
gridsite-shared        i386        1.1.21-1.slc4    ETICS-name-patch_4388_1  76 k
```

2010-06-10 (Sara)

- Disinstallato glite-wms-wmproxy-interface
- Riconfigurato per cercare di capire a chi serviva
- Reinstallato

- Riconfigurato

```
rpm -e --test glite-wms-wmproxy-interface
rpm -e --nodeps glite-wms-wmproxy-interface
/opt/glite/yaim/bin/yaim -c -d6 -s /root/siteinfo/site-info.def -n glite-WMS > topolino
less topolino
rm topolino
yum install glite-wms-wmproxy-interface
/opt/glite/yaim/bin/yaim -c -d6 -s /root/siteinfo/site-info.def -n glite-WMS
```

2010-06-07 (Betta)

- launched yum install lcg-CA
- launched yaim configuration '/opt/glite/yaim/bin/yaim -c -s site-info.def -n glite-WMS'
- yaim configuration log file is here

2010-06-04(Betta)

- copied registered repo for wms_3_2_14_5 into '/etc/yum.repos.d':

```
wget http://etics-repository.cern.ch/repository/pm/registered/repomd/id/7c25a3e0-f9aa-4ad0
```

- launched 'yum install glite-WMS', yum install log is here
- copied /opt/glite/yaim/examples/siteinfo/site-info.def into ~/siteinfo/site-info.def and /opt/glite/yaim/examples/siteinfo/services/glite-wms into ~/siteinfo/services/glite-wms

2010-01-04 (Fabio)

- Make sure the following line is added to /opt/glite/etc/profile.d/grid-env.sh (yaim):

```
gridenv_set "CONDOR_CONFIG" "/opt/condor-c/etc/condor_config"
```

- [Sara 2010-02-09]: Already present in /opt/glite/yaim/functions/config_condor_wms

2009-12-18 (Fabio)

- Submitted LCAS bug <http://savannah.cern.ch/bugs/?60825>
- Update

lcas	1.3.11-3.sl5
------	--------------
- Add OPENSSL_ALLOW_PROXY_CERTS to /opt/glite/etc/glite_wms_wmproxy_httpd.conf :

```
PassEnv OPENSSL_ALLOW_PROXY_CERTS
...
FastCgiConfig -restart -restart-delay 5 -idle-timeout 3600 -maxProcesses 30 -maxClassProcess
```

- Modify the lines that create the lbproxy database in /opt/glite/yaim/functions/config_glite_lbproxy (removing ALTER TABLE entries):

```
# Check if database exist
mysqlshow --password="$MYSQL_PASSWORD" | grep "lbserver20" > /dev/null 2>&1

if [ ! $? = 0 ]; then
  mysql -u root --password="$MYSQL_PASSWORD" -e "CREATE DATABASE lbserver20"
  mysql --password="$MYSQL_PASSWORD" lbserver20 < ${INSTALL_ROOT}/glite/etc/glite-lb-dbsetup.s
  mysql -u root --password="$MYSQL_PASSWORD" -e "GRANT ALL PRIVILEGES on lbserver20.* to lbserver20"
else
  yaimlog INFO "Database lbserver20 already exists"
fi
```

- Substitute glite-lb-proxy with glite-lb-bkserverd in /opt/glite/yaim/functions/config_glite_lbproxy
- TODO: some adjustments in yaim should be done -- GLITE_LB_TYPE variable should be defined containing "proxy" in the default case but with the option to set "both". The latter case is intended for smaller installations where LB server can reside on the same machine as WMS (hence default LB for this WMS should be also set to this.machine.hostname.domain:9000); unlike in LB 1.9, the flow of events through LB is optimized therefore it is not unfavoured setup anymore.

2009-09-09 (Ale)

- Update

bdi	5.0.0-22
glite-ce-cream-client-api-c	1.11.1-12.sl5
glite-ce-monitor-client-api-c	1.11.1-12.sl5
glite-jobid-api-c	1.0.0-4.sl5
glite-jobid-api-cpp	1.0.0-4.sl5
glite-lbjp-common-db	1.0.1-2.sl5
glite-lbjp-common-jp-interface	1.0.0-5.sl5
glite-lbjp-common-maildir	1.0.0-3.sl5
glite-lbjp-common-server-bones	1.0.0-4.sl5
glite-lbjp-common-trio	1.0.0-5.sl5
glite-security-lcas	1.3.11-2.sl5
glite-security-lcmaps	1.4.8-5.sl5
glite-security-lcmaps-plugins-basic	1.3.10-2.sl5
glite-security-lcmaps-without-gsi	1.4.8-5.sl5
glite-yaim-lb	4.1.0-2
org.glite.build.common-cpp	3.2.4-1.sl5

2009-09-02 (Ale)

- Update condor-7.2.4-1.sl5.x86_64.rpm

2009-08-26 (Ale)

- Update

glite-lb-client	4.0.3-1.sl5
glite-lb-common	7.0.3-1.sl5
glite-lb-logger	2.0.4-1.sl5
glite-lb-server	2.0.3-1.sl5
glite-lb-state-machine	1.0.0-7.sl5

- Try to configure using yaim: /opt/glite/yaim/bin/yaim -c -s site-info.def -n glite-WMS
 - ◆ We need some manual actions:
 - ◇ groupadd edguser -g 152
 - ◇ useradd -m edguser -g edguser -u 152 -G infosys
 - ◇ groupadd edginfo -g 153
 - ◇ useradd -m edginfo -g edginfo -u 153 -G infosys
 - ◆ Required some dependencies:
 - ◇ rpm -ihv glite-info-provider-service-1.1.5-0.noarch.rpm
 - ◇ rpm -ihv glite-info-generic-2.0.2-5.noarch.rpm perl-LDAP
 - ◇ rpm -ihv glite-security-lcas-lcmaps-gt4-interface-0.0.14-2.sl5.x86_64.rpm
 - ◆ It is better to update yaim-wms:
 - ◇ yum install glite-yaim-wms-4.0.7-0.noarch.rpm

WorkLog_devel14 < EgeeJra1It < TWiki

- ◆ Create by hand /etc/grid-security/gsi-authz.conf:

```
globus_mapping /opt/glite/lib64/liblcas_lcmaps_gt4_mapping_gcc32.so lcmaps_callout
```

- ◆ Add to file /opt/glite/yaim/functions/config_glite_wms

```
yaimgridpath_append LD_LIBRARY_PATH /opt/classads/lib64/
```

- ◆ Add some rpms:

```
◇ yum install glite-initscript-globus-gridftp-1.0.2-1.noarch.rpm
  vdt_globus_data_server-VDT1.10.1x86_64_rhap_5-1.x86_64.rpm
```

- ◆ modify /opt/glite/etc/glite_wms_wmproxy_httpd.conf

```
LoadModule log_config_module /usr/lib64/httpd/modules/mod_log_config.so
LoadModule ssl_module /usr/lib64/httpd/modules/mod_ssl.so
LoadModule gridsite_module /opt/glite/lib64/httpd/modules/mod_gridsite.so
LoadModule mime_module /usr/lib64/httpd/modules/mod_mime.so
LoadModule dir_module /usr/lib64/httpd/modules/mod_dir.so
LoadModule alias_module /usr/lib64/httpd/modules/mod_alias.so
LoadModule cgi_module /usr/lib64/httpd/modules/mod_cgi.so
LoadModule env_module /usr/lib64/httpd/modules/mod_env.so
LoadModule fastcgi_module /usr/lib64/httpd/modules/mod_fastcgi.so
#LoadModule status_module /usr/lib64/httpd/modules/mod_status.so
```

- ◆ Initialize condor:

```
◇ su - glite -c condorc-initialize
```

- Try to configure LB

- ◆ rpm -ihv python-logging-0.4.6-1.noarch.rpm
- ◆ rpm -ihv glite-yaim-lb-4.1.0-1.noarch.rpm
- ◆ rpm -ihv glite-lb-utils-2.0.3-1.sl5.x86_64.rpm
- ◆ rpm -Uhv glite-yaim-core-4.0.8-7.noarch.rpm
- ◆ add to /opt/glite/yaim/functions/config_glite_lb * yaimgridpath_append
LD_LIBRARY_PATH \${INSTALL_ROOT:-opt}/classads/lib64
- ◆ /opt/glite/yaim/bin/yaim -c -s site-info.def -n glite-LB
- ◆ Add option "-B" to bkserverd

- **PROBLEMS:**

- ◆ From /var/log/glite/httpd-wmproxy-errors.log file:

```
[Thu Aug 27 10:43:23 2009] [error] Certificate Verification: Error (24): invalid CA
[Thu Aug 27 10:43:23 2009] [error] Certificate Verification: Error (26): unsupported
```

- ◆ From /var/log/glite/workload_manager_events.log:

```
26 Aug, 11:31:57 -I: [Info] main(main.cpp:324): This is the gLite Workload Manager,
26 Aug, 11:31:57 -I: [Info] main(main.cpp:332): loading broker dll libglite_wms_help
cannot load dynamic library libglite_wms_helper_broker_ism.so: /opt/glite/lib64/libg
```

- ◆ If you try to update condor using etics package:

```
yum install condor-7.2.4.rpm
Error unpacking rpm package condor-7.2.4-1.x86_64
error: unpacking of archive failed on file /opt/condor-7.2.4/bin/stork_rm_cr
```

2009-07-09 (Ale)

- Installing new kernel: Linux devel14.cnaf.infn.it 2.6.18-128.1.14.el5 #1 SMP Tue Jun 16 18:47:37 EDT 2009 x86_64 x86_64 x86_64 GNU/Linux
- Installing new SO: Scientific Linux SL release 5.3 (Boron)
- Installing new experimental glite version: WMS 3.3 Patch 2876

- Rpms installed :

c-ares	1.3.0-4.sl5
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WorkLog_devel14 < EgeeJra1It < TWiki

classads	1.0.3-1.sl5
glite-ce-cream-client-api-c	1.11.1-10.sl5
glite-ce-monitor-client-api-c	1.11.1-10.sl5
glite-jdl-api-cpp	3.2.1-1.sl5
glite-jobid-api-cpp	1.0.0-2.sl5
glite-jobid-api-c	1.0.0-2.sl5
glite-lb-client	4.0.2-1.sl5
glite-lb-common	7.0.2-1.sl5
glite-lbjp-common-db	1.0.0-8.sl5
glite-lbjp-common-jp-interface	1.0.0-4.sl5
glite-lbjp-common-maildir	1.0.0-2.sl5
glite-lbjp-common-server-bones	1.0.0-3.sl5
glite-lbjp-common-trio	1.0.0-4.sl5
glite-lb-server	2.0.2-2.sl5
glite-lb-state-machine	1.0.0-6.sl5
glite-lb-ws-interface	3.0.1-1.sl5
glite-security-gsoap-plugin	2.0.1-1.sl5
glite-security-gss	2.0.0-3.sl5
glite-security-lcas	1.3.7-2.sl5
glite-security-proxyrenewal	1.3.7-1.sl5
glite-security-voms-api-cpp	1.9.8-1.sl5
glite-security-voms-api-c	1.9.8-1.sl5
glite-service-discovery-api-c	2.2.2-2.sl5
glite-service-discovery-bdii-c	2.2.2-3.sl5
glite-wms-brokerinfo	3.3.0-0.sl5
glite-wms-broker	3.3.0-0.sl5
glite-wms-classad_plugin	3.3.0-0.sl5
glite-wms-common	3.3.0-0.sl5
glite-wms-configuration	3.2.0-0.sl5
glite-wms-helper	3.3.0-0.sl5
glite-wms-ice	3.2.0-1.sl5
glite-wms-ism	3.3.0-0.sl5
glite-wms-jobsubmission	3.3.0-0.sl5
glite-wms-manager	3.3.0-0.sl5
glite-wms-matchmaking	3.3.0-0.sl5
glite-wms-purger	3.3.0-0.sl5
glite-wms-utils-classad	3.2.1-1.sl5
glite-wms-utils-exception	3.2.1-1.sl5
gpt	3.2autotools2004_NMI_9.0_x86_64_rhap_5-1
gridsite-shared	1.5.10-1.sl5
libtool-ltdl	1.5.22-6.1
log4cpp	1.0-1.sl5
openldap-clients	2.3.43-3.el5
openldap-servers	2.3.43-3.el5
perl-Compress-Raw-Bzip2	2.020-1.el5.rf
perl-Compress-Raw-Zlib	2.020-1.el5.rf
perl-HTML-Parser	3.55-1.fc6
condor	7.0.5-1
vdt_globus_essentials	VDT1.10.1x86_64_rhap_5-3
bdii	4.0.1-4

fetch-crl	2.7.0-2
glite-yaim-core	4.0.7-10
glite-yaim-wms	4.0.5-2
lcg-vomscerts	5.4.0-1
perl-HTML-Tagset	3.10-2.1.1
perl-IO-Compress	2.020-1.e15.rf
perl-libwww-perl	5.805-1.1.1
perl-URI	1.35-3

2009-05-19 (Ale)

- Update:

glite-security-voms-api-c	1.8.12-1.sl4
glite-security-voms-api-cpp	1.8.12-1.sl4
glite-security-voms-clients	1.8.12-1.sl4
glite-wms-manager	3.1.49-1.sl4

2009-05-11 (Ale)

- Updating:

lcg-CA	1.29-1
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2009-04-06(Ale)

- Updating:

bdi	4.0.1-4
lcg-vomscerts	5.4.0-1

2009-01-29 (Ale)

- Updating:

glite-info-provider-service	noarch	1.0.1-3	glite-WMS
glite-security-voms-api-c	i386	1.8.8-2.sl4	glite-WMS
glite-security-voms-clients	i386	1.8.8-2.sl4	glite-WMS
glue-schema	noarch	1.3.0-5	glite-WMS
lcg-vomscerts	noarch	5.2.0-1	glite-WMS

2009-01-12 (Ale)

- Update ICE components

2008-12-02 (Ale)

- Updating:

glite-jdl-api-cpp	i386	3.1.16-2.sl4	WMS-PreCert
glite-security-voms-api-cpp	i386	1.8.8-3.sl4	WMS-PreCert
glite-wms-manager	i386	3.1.44-1.sl4	WMS-PreCert
glite-wms-utils-jobid	i386	3.1.5-1.sl4	WMS-PreCert
glite-wms-wmproxy	i386	3.1.41-1.sl4	WMS-PreCert

2008-11-28 (Ale)

- Updating

glite-jdl-api-cpp	i386	3.1.16-1.sl4	WMS-PreCert
glite-wms-helper	i386	3.1.29-1.sl4	WMS-PreCert
glite-wms-manager	i386	3.1.43-1.sl4	WMS-PreCert
glite-wms-wmproxy	i386	3.1.40-1.sl4	WMS-PreCert
glite-yaim-wms	noarch	4.0.4-0	WMS-PreCert

2008-09-08 (Ale)

- Updating

glite-wms-utils-jobid	i386	3.1.4-1.sl4	WMS-PreCert
glite-wms-wmproxy	i386	3.1.38-1.sl4	WMS-PreCert

2008-09-02 (Ale)

- Reinstalling a WMS 3.1.100 from scratch
 - ◆ Define new yum repository
 - ◆ yum install cert-glite-WMS glite-wms-ice glite-info-provider-service
 - ◆ Copy hostcert.pem hostkey.pem under /etc/grid-security/
 - ◆ Configure site-info.def
 - ◆ /opt/glite/yaim/bin/yaim -c -s site-info.def -n WMS
 - ◆ Install google-perftools-0.98-1.i386.rpm google-perftools-devel-0.98-1.i386.rpm to decrease the wm's use of memory (from 1.3Gb to 300Mb!)
- Removed dismissed packages:
 - ◆ rpm -e --nodeps glite-wms-checkpointing-3.1.2-3.sl4 glite-wms-partitioner-3.1.2-2.sl4.i386
 - ◆ rpm -e --nodeps glite-wms-interactive-3.1.5-1.sl4
 - ◆ rpm -e --nodeps glite-rgma-api-cpp glite-rgma-base glite-rgma-api-c
glite-service-discovery-rgma-c

2008-04-21 (Ale)

glite-wms-manager	i386	3.1.35-1.sl4	devel17
glite-wms-wmproxy	i386	3.1.33-3.sl4	devel17
glite-wms-common	i386	3.1.20-1.sl4	volatile repository

2008-04-15 (Ale)

- Updating:

bdi	noarch	3.9.1-5	glite-wms
cert-glite-WMS	i386	3.1.2-0	glite-wms
glite-initscript-globus-gridftp	noarch	1.0.2-1	glite-wms
glite-lb-client	i386	3.1.5-1.sl4	glite-wms
glite-wms-manager	i386	3.1.34-1.sl4	devel17
glite-yaim-core	noarch	4.0.4-1	glite-wms
glite-yaim-wms	noarch	4.0.1-7	glite-wms
lcg-vomscerts	noarch	4.9.0-1	devel17
vdt_globus_data_server	i386	VDT1.6.1x86_rhas_4-5	glite-wms
vdt_globus_essentials	i386	VDT1.6.1x86_rhas_4-6	glite-wms

- Installing for dependencies:

glue-schema	noarch	1.3.0-3	glite-wms
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2008-03-19 (Ale)

- Update Lcg-CA 1.20-1

2008-03-11 (Ale)

- rpm -Uhv glite-wms-jobsubmission-3.1.10-4.sl4.i386.rpm

2008-03-06 (Ale)

- rpm -Uhv glite-lb-client-3.1.3-1.sl4.i386.rpm glite-lb-client-interface-3.1.1-2.sl4.i386.rpm

2008-03-04 (Ale)

- rpm -ihv --force glite-security-voms-api-c-1.8.3-2.sl4.i386.rpm
glite-security-voms-api-cpp-1.8.3-2.sl4.i386.rpm
- rpm -Uhv --force glite-wms-manager-3.1.32-3.sl4.i386.rpm
glite-wms-wmproxy-3.1.31-3.sl4.i386.rpm

2008-02-27 (Ale)

- Updating:

glite-jdl-api-cpp	i386	3.1.14-1.sl4	devel17
glite-lb-client	i386	3.1.2-2.sl4	devel17
glite-lb-common	i386	6.1.1-2.sl4	devel17
glite-lb-logger	i386	1.4.9-2.sl4	devel17
glite-lb-proxy	i386	1.5.2-2.sl4	devel17
glite-wms-broker	i386	3.1.5-5.sl4	devel17
glite-wms-brokerinfo	i386	3.1.10-3.sl4	devel17
glite-wms-classad_plugin	i386	3.1.9-2.sl4	devel17
glite-wms-common	i386	3.1.19-3.sl4	devel17
glite-wms-configuration	i386	3.1.11-2.sl4	devel17
glite-wms-helper	i386	3.1.20-2.sl4	devel17
glite-wms-ism	i386	3.1.16-3.sl4	devel17
glite-wms-jobsubmission	i386	3.1.10-3.sl4	devel17
glite-wms-manager	i386	3.1.32-3.sl4	devel17
glite-wms-matchmaking	i386	3.1.8-2.sl4	devel17
glite-wms-purger	i386	3.1.10-3.sl4	devel17
glite-wms-thirdparty-bypass	i386	3.1.3-3.sl4	devel17
glite-wms-wmproxy	i386	3.1.31-3.sl4	devel17
lcg-vomscerts	noarch	4.8.0-1	devel17

- Downgrade:

glite-security-voms-api-c	i386	1.7.24-1.sl4	devel17
glite-security-voms-api-cpp	i386	1.7.24-1.sl4	devel17

2008-02-02 (Ale)

- Updating:

glite-security-lcas-plugins-voms	i386	1.3.4-4.sl4	devel17
glite-security-lcmaps	i386	1.4.3-2.sl4	devel17
glite-security-lcmaps-plugins-voms	i386	1.3.7-4.sl4	devel17
glite-security-voms-api-c	i386	1.8.2-1.sl4	devel17
glite-security-voms-api-cpp	i386	1.8.2-1.sl4	devel17
lcg-CA	noarch	1.19-1	CA

2008-01-23 (Ale)

- Updating:
 - ◆ glite-security-voms i386 1.8.2-1.sl4 devel17

2008-01-21 (Ale)

- Update this rpm (using repository on devel17) with an important fix for handling undefined event expiration that may cause losing LB events:
 - ◆ glite-lb-logger (1.4.9-1.sl4)

2008-01-15 (Ale)

- Update these rpms (using repository on devel17):
 - ◆ glite-ce-cream-client-api-c (1.7.16-0.sl4)
 - ◆ glite-ce-monitor-client-api-c (1.7.15-0.sl4)
 - ◆ glite-jdl-api-cpp (3.1.13-1.sl4)
 - ◆ glite-lb-client (3.1.2-1.sl4)
 - ◆ glite-lb-client-interface (3.1.1-1.sl4)
 - ◆ glite-lb-common (6.1.1-1.sl4)
 - ◆ glite-lb-logger (1.4.8-1.sl4)
 - ◆ glite-lb-proxy (1.5.2-1.sl4)
 - ◆ glite-security-lcmaps (1.4.3-1.sl4)
 - ◆ glite-security-proxyrenewal (1.3.5-1.sl4)
 - ◆ glite-security-voms (1.8.1-1.sl4)
 - ◆ glite-security-voms-api-cpp (1.8.1-1.sl4)
 - ◆ glite-wms-checkpointing (3.1.2-4.sl4)
 - ◆ glite-wms-common (3.1.18-1.sl4)
 - ◆ glite-wms-helper (3.1.20-1.sl4)
 - ◆ glite-wms-interactive (3.1.6-1.sl4)
 - ◆ glite-wms-purger (3.1.10-1.sl4)
 - ◆ glite-wms-thirdparty-bypass (3.1.3-1.sl4)
 - ◆ glite-wms-wmproxy (3.1.30-5.sl4)
 - ◆ glite-security-voms-api-c (1.8.1-1.sl4)
 - ◆ glite-security-lcas-plugins-voms (1.3.4-3.sl4)
 - ◆ glite-security-lcmaps-plugins-voms (1.3.7-3.sl4)
 - ◆ glite-wms-ice (3.1.25-2.sl4)

2007-11-09 (Ale)

- Install a new version of wms-manager to test "recovery"

2007-11-08 (Ale)

- Update voms:
 - ◆ glite-security-voms-api-cpp-1.7.24-1.sl4
 - ◆ glite-security-voms-api-c-1.7.24-1.sl4

2007-11-06 (Ale)

- Starting testing of ice

2007-10-23 (Ale)

- Installed google-perftools-0.93-1.i386.rpm google-perftools-devel-0.93-1.i386.rpm to decrease the wm's use of memory (from 1.3Gb to 300Mb!)
 - ◆ Restart the wm setting LD_PRELOAD="/usr/lib/libtcmalloc_minimal.so"

2007-10-19 (Ale)

- Installed glite-wms-wmproxy-3.1.30-3.sl4-LIBTAR-STATIC.i386.rpm to test new fixes about the use of the static libtar lib

2007-10-18 (Ale)

- Update these rpms:
 - ◆ glite-security-gsoap-plugin-1.5.2-1.sl4.i386.rpm (to fix the problem "LB[Proxy] Error: Connection timed out" seen on 08 October)
 - ◆ glite-wms-manager-3.1.30-1.sl4.i386.rpm (compiled by giaco to fix a problem with dependencies: ldap)
 - ◆ lcg-CA-1.17-1 (and all the CA_*)

2007-10-15 (Ale)

Installing ICE

- rpm -ihv **db-4.2.52-1.sl4.i386.rpm**
- rpm -ihv **log4cpp-0.3.4b-1.sl4.i386.rpm**
- rpm -ihv **glite-ce-cream-client-api-c-1.7.15-1.sl4.i386.rpm**
- rpm -ihv **glite-ce-monitor-client-api-c-1.7.14-1.sl4.i386.rpm**
- update boost to version: boost-1.32.0-6.rhel4
- rpm -ihv **glite-wms-ice-3.1.24-1.sl4.i386.rpm**
- add to file /opt/glite/etc/profile.d/grid-env.sh this line:
 - ◆ gridpath_append "LD_LIBRARY_PATH" "/opt/log4cpp/lib/"
- source /opt/glite/etc/profile.d/grid-env.sh and then start ice:
 - ◆ /opt/glite/etc/init.d/glite-wms-ice start

2007-10-12 (Ale)

- Updated these rpms from glite-wms_R_3_1_82 (build locally by giaco)
 - ◆ glite-wms-helper-3.1.17-5.sl4.i386.rpm
 - ◆ glite-wms-ism-3.1.15-2.sl4.i386.rpm
 - ◆ glite-wms-purger-3.1.8-3.sl4.i386.rpm
 - ◆ glite-wms-manager-3.1.30-1.sl4.i386.rpm (compiled by salvo to test wm recovery)
 - ◆ glite-wms-wmproxy-3.1.29-1.sl4.i386.rpm (compiled by maraska to fix some bugs)

- To enable recovery set this parameter **EnableRecovery = true;** on *glite_wms.conf* (WorkloadManager section)

2007-10-10 (Ale)

- Removed the line *export http_proxy=myproxy.my.domain* from */opt/glite/libexec/fetch-crl.sh*

In the *site-info.def* file this variable *SITE_HTTP_PROXY="myproxy.my.domain"* is set, if not used please comment it. (This MUST be the default, but....)

2007-10-08 (Ale)

- 30% of jobs fail due to this problem:

```
Status Reason:      LBProxy is enabled
Unable to query LB and LBProxy
edg_wll_QueryEvents[Proxy]
Exit code: 110
LB[Proxy] Error: Connection timed out
(edg_wll_gss_connect())
```

The jobs stay in the waiting state forever and they can be "resubmitted" through the command:
glite-wms-job-submit --start _jobid_

2007-10-05 (Ale)

- Found a bug on *wmproxy*: logging the Enqueued/OK events the "queue" parameter is not set
 - ◆ The symptom is: **Status Reason: cannot retrieve jdl**
 - ◆ The real problem: *glite-lb-proxy[8426]: Message incomplete (Message incomplete, missing or empty field DG.ENQUEUED.QUEUE.)*

2007-10-04 (Ale)

Configure jobdir

- Set **jobdir** as input method for workload-manager instead of *filelist*
 - ◆ Set these variables in the *glite_wms.conf* file (WorkloadManager section)
 - ◇ *DispatcherType = "jobdir";*
 - ◇ *Input = "\${GLITE_LOCATION_VAR}/workload_manager/jobdir";*
 - ◆ Create these directories and then give the ownership to *glite.glite*
 - ◇ */var/glite/workload_manager/jobdir/new/*
 - ◇ */var/glite/workload_manager/jobdir/old/*
 - ◇ */var/glite/workload_manager/jobdir/tmp/*
 - ◆ Restart the services

2007-10-03 (Ale)

Start to install a WMS 3.1

- Use this repository: http://goldrake.cnaf.infn.it:8080/ibrido/etics-rpms_3_1_0_slc4/RPMS.wms/

Install yaim

- *wget*
<http://eticssoft.web.cern.ch/eticssoft/repository/org.glite/org.glite.yaim.core/4.0.0/noarch/glite-yaim-core-4.0.0>

- wget
http://eticsoft.web.cern.ch/eticsoft/repository/org.glite/org.glite.yaim.wms/4.0.0/noarch/glite-yaim-wms-4.0.0.noarch.rpm
- rpm -ihv glite-yaim-core-4.0.0-14.noarch.rpm
- rpm -ihv glite-yaim-wms-4.0.0-1.noarch.rpm

Configure yaim

- Create site-info.def
- Create users.conf
- Create groups.conf

Resolve dependencies

- bdi needs:
 - ◆ yum install openldap-clients openldap-servers
 - ◆ yum install perl-libwww-perl
 - ◇ perl-HTML-Parser
 - ◇ perl-HTML-Tagset
 - ◇ perl-URI
- edg-mkgridmap needs:
 - ◆ yum install perl-Crypt-SSLeay perl-DateManip perl-IO-Socket-SSL perl-LDAP perl-Net-SSLeay perl-Term-ReadKey perl-XML-DOM perl-XML-RegExp
 - ◇ perl-Convert-ASN1
 - ◇ perl-XML-NamespaceSupport
 - ◇ perl-XML-SAX
- mysql needs:
 - ◆ yum install perl-DBI perl-PIRPC perl-Net-Daemon
- glite-wms-manager needs:
 - ◆ rpm -ihv **vdt_globus_info_essentials-VDT1.6.0x86_rhas_4-1.i386.rpm**
- condor needs:
 - ◆ yum install compat-libstdc++-33
- **grid-site-apache** (not present in the repository, why?) needs:
 - ◆ yum install curl libidn

Install

- /opt/glite/yaim/bin/yaim -i -s site-info.def -m glite-WMS

Post Install

- Copy hostcert.pem hostkey.pem under /etc/grid-security/

Resolve dependencies (these are not required by rpm but are necessary)

- Needs to configure edg-mkgridmap.pl (Patch #1403)
 - ◆ yum install *perl-XML-Parser*
- Needs to configure globus
 - ◆ rpm -ihv **gpt-VDT1.6.0x86_rhas_4-1.i386.rpm**

- Needs by lbproxy
 - ◆ yum install *mysql-server*
 - ◇ perl-DBD-MySQL
- Needs by wmpoxy
 - ◆ yum install *httpd*
 - ◇ apr
 - ◇ apr-util
 - ◇ httpd-suexec
 - ◆ yum install *mod_ssl*
 - ◇ distcache
 - ◆ rpm -ihv **glite-security-lcmaps-plugins-voms-1.3.7-3.sl4.i386.rpm**
- needs by condor (gahp)
 - ◆ rpm -ihv **condor-lcg-1.1.0-1.i386.rpm**
- Needs by configuration script
 - ◆ rpm -ihv **glite-lb-logger** (Why do you not install it?)

Bugs Fixes

- Remove from file `/opt/glite/yaim/node-info.d/glite-wms` the line:
 - ◆ `config_gip_service` (why do you configure a GIP on a WMS?)
- Fix line 41 of `/opt/glite/yaim/functions/config_glite_lbproxy`
 - ◆ `/etc/init.d/mysqld` start
- To start correctly workload-manager add to file `/opt/glite/yaim/functions/config_glite_wms` (it needs `liblog4cxx.so.9.0.0`)
 - ◆ `yaimgridpath_append LD_LIBRARY_PATH /usr/local/lib`
- To run correctly wmpoxy add to file `/opt/glite/yaim/functions/config_glite_wms` (for `libfcgi*` and `libtar`)
 - ◆ `yaimgridpath_append LD_LIBRARY_PATH /opt/cgi/lib`
 - ◆ `yaimgridpath_append LD_LIBRARY_PATH /opt/libtar/lib`

Configure

- `/opt/glite/yaim/bin/yaim -c -s site-info.def -n WMS`

Post Configure

- Install voms certificate:
 - ◆ rpm -ihv **lcvoms-4.6.0-1.noarch.rpm**

NOTE

- `/opt/glite/bin/glite-lb-interlogd` doesn't exit with a `/opt/glite/etc/init.d/glite-lb-locallogger stop` you need "Kill -9"
- you need to configure `LBServer = {"devel15.cnaf.infn.it:9000"};` on `glite_wms.conf`
- `/opt/glite/bin/glite_wms_wmpoxy_dirmanager` is bugged due to `libtar` link (Bug under investigation by Maraska) use this one
- `chmod 4555 /opt/glite/bin/glite_wms_wmpoxy_dirmanager` (Bug under investigation by Maraska)
- use the correct `glite-wms-purger.cron` script
- set the right value `HostProxyFile = "${GLITE_LOCATION_VAR}/wms.proxy";` on `glite_wms.conf`

- install rpm -ihv **lcg-expiregridmapdir-2.0.0-1.noarch.rpm** and fix lcg-expiregridmapdir cron job (with the correct path)
- install glite-wms-wmproxy-logrotate.cron and set its conf file (/opt/glite/etc/wmproxy_logrotate.conf)
- add MaxOutputSandboxSize = -1; to glite_wms.conf (see bug #27215)
- create /opt/glite/etc/vomses files
- add this line to file /opt/glite/etc/profile.d/grid-env.sh
 - ◆ gridenv_set "MYPROXY_TCP_PORT_RANGE" "20000,25000"

Installing the new gridftp server (vdt1.6)

- Install these rpms:
 - ◆ vdt_globus_data_server-VDT1.6.0x86_rhas_4-3.i386.rpm
 - ◆ glite-security-lcas-lcmapi-gt4-interface-0.0.13-2.sl4.i386.rpm
 - ◆ glite-security-lcas-1.3.7-1.sl4.i386.rpm
 - ◆ glite-security-lcas-plugins-voms-1.3.4-3.sl4.i386.rpm
 - ◆ glite-security-lcas-interface-1.3.6-2.sl4.i386.rpm
 - ◆ glite-security-lcas-plugins-basic-1.3.2-2.sl4.i386.rpm
- Remove edg-mkgridmap from the cron.d dir
- Add the proper VO entry in the /etc/grid-security/grid-mapfile: e.g.
- Add the proper VO entry in the /etc/grid-security/groupmapfile: e.g.
- Configure the gridftp server:
 - ◆ Run /opt/glite/sbin/gt4-interface-install.sh install (it creates /etc/grid-security/gsi-authz.conf)
 - ◆ Touch the file /opt/glite/etc/lcas/ban_users.db
 - ◆ Create the file /opt/glite/etc/lcas/lcas.db: e.g.
 - ◆ Create the file /opt/glite/etc/lcmapi/lcmapi.db.gridftp: e.g.
- To start the service:
 - ◆ export LCMAPS_DB_FILE=/opt/glite/etc/lcmapi/lcmapi.db.gridftp
 - ◆ /opt/globus/sbin/globus-gridftp-server -p 2811 -l /var/log/gridftp.log -S

Remove old gridftp service

- rpm -e --nodeps glite-wms-thirdparty-globus_gridftp_server
- rpm -e --nodeps edg-mkgridmap
- rpm -e perl-Crypt-SSLeay perl-DateManip perl-IO-Socket-SSL perl-LDAP perl-Net-SSLeay perl-Term-ReadKey perl-XML-DOM perl-XML-RegExp
- rpm -e perl-Convert-ASN1 perl-XML-Namespacesupport perl-XML-SAX

-- AlessioGianelle - 03 Oct 2007

- yum_install_WMS_log: wms_install_log
- site-info.def: wms siteinfo file
- users.conf: users.conf
- groups.conf: groups.conf
- glite-wms: glite-wms

- yaim_install_log: yaim_wms_conf_log
-

This topic: EgeeJra1It > WorkLog_devel14

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