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Devel16 Work Log

2008-03-05 (Ale)

- Update:

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-lb-server	i386	1.8.3-1.sl4	devel17
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-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-helper	i386	3.1.20-2.sl4	devel17
glite-wms-ism	i386	3.1.16-3.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
lcg-CA	noarch	1.19-1	CA
lcg-vomscerts	noarch	4.8.0-1	devel17
glite-security-voms	i386	1.7.24-1.sl4	devel17
glite-wms-common	i386	3.1.19-3.sl4	devel17
glite-wms-configuration	i386	3.1.11-2.sl4	devel17
glite-wms-jobsubmission	i386	3.1.10-3.sl4	devel17

2007-11-15 (Ale)

Starting installation of the WMS

- Define new yum repository:

```
[main]
[glite-wms]
name=gLite 3.1 wms
baseurl=http://grid-deployment.web.cern.ch/grid-deployment/glite/cert/3.1/glite-WMSLB/sl4/i386/
enabled=1
```

- yum install cert-glite-WMSLB
- Copy hostcert.pem hostkey.pem under /etc/grid-security/
- /opt/glite/yaim/bin/yaim -c -s site-info.def -n WMS

Issues:

ERROR: No gLite version has been detected. You have to have glite-version command available under

This is bug 27428 to solve it do:

- wget
http://eticsoft.web.cern.ch/eticsoft/repository/org.glite/glite-version/3.1.0/slc4_ia32_gcc346/glite-version-3.1.0
- rpm -ihv glite-version-3.1.0-1.slc4.i386.rpm

```
ERROR: GLITE_USER is not set
ERROR: Error during the execution of function: config_condor_wms_check \
ERROR: Error during running check functions.
ERROR: Please define your missing variables ! Exiting.
```

- Remove GLITE_USER check from function /opt/glite/yaim/functions/config_condor_wms

```
ERROR: Error during the execution of function: config_gip_service
```

Why do you configure GIP on a WMS???

- Remove from file /opt/glite/yaim/node-info.d/glite-wms the line: config_gip_service

```
/opt/glite/yaim/bin/./libexec/configure_node: line 99: /opt/edg/etc/edg-mkgridmap.conf: No such file or directory
/opt/glite/yaim/bin/./libexec/configure_node: line 528: /opt/edg/sbin/edg-mkgridmap: No such file or directory
```

Just a warning, you need to remove the "edg-mkgridmap" configuration part.

```
cat: /opt/glite/etc/ftppaccess: No such file or directory
mv: cannot stat `/opt/glite/etc/ftppaccess': No such file or directory
/opt/glite/yaim/bin/./libexec/configure_node: line 388: /opt/glite/etc/init.d/glite-wms-ftp: No such file or directory
INFO: Executing function: config_glite_wms_setenv
INFO: Executing function: config_glite_wms
Your identity: /C=IT/O=INFN/OU=Host/L=CNAF/CN=devel16.cnaf.infn.it
Creating proxy ..... Done
Your proxy is valid until: Fri Nov 16 17:28:23 2007
ABORT: Service glite-wms-ftp failed to start!
ERROR: Error during the execution of function: config_glite_wms
ERROR: Error during the configuration.Exiting. [FAILED]
```

glite-wms-thirdparty-globus_gridftp_server is not installed so please remove this part from /opt/glite/yaim/functions/config_glite_wms!

```
starting workload manager... failure
ABORT: Service glite-wms-wm failed to start!
ERROR: Error during the execution of function: config_glite_wms
ERROR: Error during the configuration.Exiting. [FAILED]
```

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

the pid file /var/glite/glite-wms-workload_manager.pid is not writable (from the wm log file)

\$GLITE_WMS_TMP must be all-writable

```
/opt/glite/etc/init.d/glite-wms-wmproxy: line 63: /usr/sbin/httpd: No such file or directory
ABORT: Service glite-wms-wmproxy failed to start!
ERROR: Error during the execution of function: config_glite_wms
ERROR: Error during the configuration.Exiting. [FAILED]
```

- yum install httpd

Syntax error on line 18 of /opt/glite/etc/glite_wms_wmproxy_httpd.conf:

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```
Cannot load /usr/lib/httpd/modules/mod_ssl.so into server: /usr/lib/httpd/modules/mod_ssl.so: can
ABORT: Service glite-wms-wmproxy failed to start!
ERROR: Error during the execution of function: config_glite_wms
ERROR: Error during the configuration.Exiting.
```

- yum install mod_ssl

```
Syntax error on line 101 of /opt/glite/etc/glite_wms_wmproxy_httpd.conf:
SSLCACertificatePath: directory '/etc/grid-security/certificates' does not exist
ABORT: Service glite-wms-wmproxy failed to start!
ERROR: Error during the execution of function: config_glite_wms
ERROR: Error during the configuration.Exiting. [FAILED]
```

- yum install lcg-CA

```
chmod: cannot access `/var/lib/mysql/': No such file or directory
error reading information on service mysql: No such file or directory
/opt/glite/yaim/functions/config_glite_lbproxy: line 43: /etc/init.d/mysql: No such file or direc
mysqladmin: connect to server at 'localhost' failed
error: 'Can't connect to local MySQL server through socket '/var/lib/mysql/mysql.sock' (2) '
Check that mysqld is running and that the socket: '/var/lib/mysql/mysql.sock' exists!
ERROR 2002 (HY000): Can't connect to local MySQL server through socket '/var/lib/mysql/mysql.sock
ERROR 2002 (HY000): Can't connect to local MySQL server through socket '/var/lib/mysql/mysql.sock
ERROR 2002 (HY000): Can't connect to local MySQL server through socket '/var/lib/mysql/mysql.sock
Can not access MySQL DB, check password.
ERROR: Error during the execution of function: config_glite_lbproxy
ERROR: Error during the configuration.Exiting. [FAILED]
```

- yum install mysql-server
- Fix line 43 of /opt/glite/yaim/functions/config_glite_lbproxy: /etc/init.d/mysqld start

To run correctly wmproxy add to file /opt/glite/yaim/functions/config_glite_wms (for libfcgi*):

- yaimgridpath_append LD_LIBRARY_PATH /opt/fcgi/lib

Use the correct glite-wms-purger.cron script

- Substitute: s/root/glite/

Fix lcg-expiregridmapdir cron job (with the correct path)

- Substitute: s/egd/glite/

-
- Create dir \$GLITE_WMS_LOCATION_VAR/wmproxy for the file
LBServerWeightsFile.devel16.cnaf.infn.it
 - Install condor-lcg-1.1.0-1.i386.rpm - Needs by condor (gahp)
 - Install glite-wms-wmproxy-logrotate.cron. e.g:

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

- 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/lcmaps/lcmaps.db.gridftp`: e.g.
- To start the service:
 - ♦ `export LCMAPS_DB_FILE=/opt/glite/etc/lcmaps/lcmaps.db.gridftp`
 - ♦ `/opt/globus/sbin/globus-gridftp-server -p 2811 -l /var/log/gridftp.log -S`

-- AlessioGianelle - 08 Oct 2007

This topic: EgeeJra1It > WorkLogDevel16

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