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LFC for VO SBGrid (used by WeNMR)

lfc.pd.infn.it is a Central LFC used for VO SBGrid only, in order to execute lcg-* commands to OSG SE supporting that VO. SBGrid is a VO used by WeNMR to submit jobs to OSG sites.

Management instructions

Because of possible problems with upper case in the word SBGrid (this step was necessary in ui-wenmr, otherwise voms-proxy-init gave errors), a copy of this directory was done after installation:

```
cp -r /etc/grid-security/vomsdir/sbgrid /etc/grid-security/vomsdir/SBGrid
```

In case SBGrid VOMS parameters change (see <https://hpc.sbgrid.org:8443/voms/SBGrid/Configuration.do>), and therefore a new yaim configuration is needed, remember to repeat that command.

Installation and configuration instructions

Steps executed: This documentation was followed:

- http://igrelease.forge.cnaf.infn.it/doku.php?id=doc:guides:install-3_2

Steps executed on lfc.pd.infn.it (SL5 x86_64):

- copy of certificate in /etc/grid-security

```
cd /etc/yum.repos.d/  
mv dag.repo dag.repo.ori  
wget http://grid-it.cnaf.infn.it/mrepo/repos/sl5/x86_64/dag.repo  
wget http://grid-it.cnaf.infn.it/mrepo/repos/sl5/x86_64/ig.repo  
wget http://repository.egi.eu/sw/production/cas/1/current/repo-files/egi-trustanchors.repo  
wget http://grid-it.cnaf.infn.it/mrepo/repos/sl5/x86_64/glite-lfc_mysql.repo  
yum clean all  
yum install lcg-CA  
yum install ig_LFC_mysql
```

- yaim variables used in gw-master:/opt/nfs_install/3_2/nodes/lfc.pd.infn.it:
 - ◆ LFC_HOST=lfc.\$MY_DOMAIN
 - ◆ LFC_DB_HOST=\$LFC_HOST
 - ◆ LFC_DB_PASSWORD=<db-passwd>
 - ◆ LFC_CENTRAL="SBGrid"
 - ◆ VOS="SBGrid"
 - ◆ BDII_HOST=bdii-wenmr.\$MY_DOMAIN

```
/opt/glite/yaim/bin/ig_yaim -c -s /usr/local/nfs/3_2/ig-site-info.def.current -n ig_LFC_mysql 2>
```

- because of possible problems with upper case in the word SBGrid (this step was necessary in ui-wenmr, otherwise voms-proxy-init gave errors), a copy of this directory was done:

```
cp -r /etc/grid-security/vomsdir/sbgrid /etc/grid-security/vomsdir/SBGrid
```

- because of sure problems with upper case in the word SBGrid, LFC permissions was changed:

```
[root@lfc]# export LFC_HOST=lfc.pd.infn.it  
[root@lfc]# /opt/lcg/bin/lfc-chown root:SBGrid /grid/sbgrid
```

-- MarcoVerlato - 2012-03-08

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