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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.

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## 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.

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## Installation and configuration instructions

Steps executed: This documentation was followed:

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

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-- MarcoVerlato - 2012-03-08

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