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2nd level HLR for WeNMR

This 2nd level HLR, named `grid-2lhlr-01.pd.infn.it`, collects all data from 1st level HLR `h1r-enmr.pd.infn.it` (not-IGI sites) and from 2nd level HLR `2lw-hlr.to.infn.it` (only `enmr.eu` records of IGI sites).

Management instructions

Add a new 1st level HLR:

- in `grid-2lhlr-01`:

```
/opt/glite/sbin/glite-dgas-hlr-addadmin -a "<1stLevelHLR DN>" -L
ex.: /opt/glite/sbin/glite-dgas-hlr-addadmin -a "/C=IT/O=INFN/OU=Host/L=Padova/CN=prod-hlr-01.pd."
```

- in 1st level HLR:
 - ◆ add entry "`grid-2lhlr-01.pd.infn.it`" in the file associated with variable `serversFile` defined in file `/opt/glite/etc/dgas_hlr.conf`
 - ◇ ex. in file `/opt/glite/etc/dgas_2lservers.conf`
 - `2lw-hlr.to.infn.it`
 - `grid-2lhlr-01.pd.infn.it`

```
service glite-dgas-hlrd restart
```

Registered 1st level HLRs are present in mysql table `h1r.roles`

Installation instructions

Followed these guides:

- http://igrelease.forge.cnaf.infn.it/doku.php?id=doc:guides:install-3_1
- http://grid-it.cnaf.infn.it/mrepo/guides/DGAS-guide_0_5_8.pdf

These steps was executed:

```
cd /etc/yum.repos.d/
wget http://grid-it.cnaf.infn.it/mrepo/repos/dag.repo
wget http://grid-it.cnaf.infn.it/mrepo/repos/ig.repo
wget http://grid-it.cnaf.infn.it/mrepo/repos/lcg-ca.repo
wget http://grid-it.cnaf.infn.it/mrepo/repos/glite-generic.repo
cd
yum clean all
yum install lcg-CA
wget http://mirror.anl.gov/pub/scientific-linux/46/i386/SL/RPMS/mysql-server-4.1.20-3.RHEL4.1.e14
wget http://mirror.anl.gov/pub/scientific-linux/46/i386/SL/RPMS/mysql-4.1.20-3.RHEL4.1.e14_6.1.i3
yum install ig_HLR mysql-4.1.20-3.RHEL4.1.e14_6.1.i386.rpm mysql-server-4.1.20-3.RHEL4.1.e14_6.1.
/opt/glite/yaim/bin/ig_yaim -c -d 6 -s /usr/local/nfs/3_1/ig-site-info.def.current -n ig_HLR 2>&1
```

Previous steps are the same of a site-HLR installation; these further steps are done because it's a 2nd level HLR:

- define in file `/opt/glite/etc/dgas_hlr.conf`
 - ◆ `is2ndLevelHlr = "true"`
 - ◆ `acceptRecordsStartDate = "2009-01-01"`
 - ◆ `acceptRecordsEndDate = "2019-12-31"`
 - ◆ `recordsPerConnection="6000"`

- add 1st level HLRs to be considered:
 - ◆ in grid-2lhlr-01:

```
/opt/glite/sbin/glite-dgas-hlr-addadmin -a "/C=IT/O=INFN/OU=Host/L=Padova/CN=hlr-enmr.pd.infn.it
```

- ◆ in 1st level HLR:
 - ◇ add entry "grid-2lhlr-01.pd.infn.it" in the file associated with variable serversFile defined in file /opt/glite/etc/dgas_hlr.conf
 - ◇ ex. in file /opt/glite/etc/dgas_2lservers.conf
 - 2lw-hlr.to.infn.it
 - grid-2lhlr-01.pd.infn.it

```
service glite-dgas-hlrd restart
```

-- MarcoVerlato - 2012-03-08

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