Repositories specifications

The default package management tool used by SL5 & SL6 is **YUM.**

In addition to your OS repositories, if you would like to install EMI/UMD, gLite or IGI products you have to proper set up the correct repositories.

For a successful installation, you will need to configure your package manager to reference a number of repositories, specific for each distribution.

You will find mirrors for all of them hosted in Padova, as primary mirror on http://repo-pd.italiangrid.it/mrepo/ , and CNAF, as secondary one on http://repo-cnaf.italiangrid.it/mrepo/ .

EMI Repositories

All EMI components are distributed from a **single repository**

Have a look to the EMI Installation & Configuration Guide - Repositories

UMD Repositories

UMD Production Repository: use the .repo files that you can find at UMD repository web

For more details have a look to EGI Software Repository

gLite Repositories

In addiction to the OS repositories, for a correct gLite installation you have to set properly these repositories:

- the middleware repositories
- the CA repository
- DAG

Remeber to disable/deactivate the EPEL repository

For more details have a look at this Generic Installation and Configuration Guide for gLite 3.2 - Repositories

IG Repositories (for gLite-based installations)

IG repositories needed for gLite-based services can be found at:

- for gLite 3.1:
    - primary ig_sl4-i386 , secondary ig_sl4-i386
    - primary ig_sl4-x86_64 , secondary ig_sl4-x86_64
- for gLite 3.2:
    - primary ig_sl5-x86_64 , secondary ig_sl5-x86_64

At the following links:

- http://repo-pd.italiangrid.it/mrepo/repos/glite   (primary)
- http://repo-cnaf.italiangrid.it/mrepo/repos/glite   (secondary)

you can find all the the official INFNGRID `repo` files for all profiles.

Example file: ig.repo

```
#
# INFNGRID repositories
#

[ig_sl5_x86_64]
name = INFNGRID 3.2 x86_64
baseurl = http://repo-pd.italiangrid.it/mrepo/ig_sl5-x86_64/RPMS.3_2_0/
          http://repo-cnaf.italiangrid.it/mrepo/ig_sl5-x86_64/RPMS.3_2_0/
enabled = 1
protect = 0

[ig_sl5_x86_64_externals]
name = INFNGRID 3.2 x86_64 (externals)
baseurl = http://repo-pd.italiangrid.it/mrepo/ig_sl5-x86_64/RPMS.3_2_0_externals/
          http://repo-cnaf.italiangrid.it/mrepo/ig_sl5-x86_64/RPMS.3_2_0_externals/
enabled = 1
protect = 0
```

You can install the IGI Release adding or updating your repository settings (both "Common repositories" and "Profile-specific repositories") in /etc/yum.repos.d/ as described in IGI Installation and Configuration

IGI-EMI Repositories

At these 2 URLS:

- http://repo-pd.italiangrid.it/mrepo/repos/igi   (primary)
- http://repo-cnaf.italiangrid.it/mrepo/repos/igi   (secondary)

you can find all the the official IGI `repo` files for all services based on the EMI release.

Example file **igi-emi.repo**:

```
#
# INFNGRID repositories
#

[igi-emi_sl5_x86_64_base]
name    = IGI base sl5 x86_64
baseurl = http://repo-pd.italiangrid.it/mrepo/igi-emi_sl5-x86_64/RPMS.base/
          http://repo-cnaf.italiangrid.it/mrepo/igi-emi_sl5-x86_64/RPMS.base/
enabled = 1
protect = 1
priority = 40

[igi-emi_sl5_x86_64_third-party]
name    = IGI third_party sl5 x86_64
baseurl = http://repo-pd.italiangrid.it/mrepo/igi-emi_sl5-x86_64/RPMS.third-party/
          http://repo-cnaf.italiangrid.it/mrepo/igi-emi_sl5-x86_64/RPMS.third-party/
enabled = 1
protect = 1
priority = 40
```

This topic: IGIRelease > RepositoriesSpecifications
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