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Reforecast Tutorial

How to get WRF4G

The latest official version can get it by direct download [?WRF4G.tar.gz](#). Before you get it, you have to check the WRF4G requirements:

x86_64 Linux

```
[user@localhost ~]$ uname -p
x86_64
```

[?Python](#), version ≥ 2.4 and < 3.0

```
[user@localhost ~]$ python -V
Python 2.7.3
```

See the [installation guide](#) for moreover information.

Quick deploy guide

Deploy WRF4G

Download and unpack the distribution file into the deployment directory (e.g. \$HOME directory).

```
[user@localhost ~]$ cd
[user@localhost ~]$ wget http://www.meteo.unican.es/work/WRF4G.tar.gz
[user@localhost ~]$ tar xzvf WRF4G.tar.gz
```

Setup the WRF4G environment.

```
[user@localhost ~]$ export PATH=$HOME/WRF4G/bin:$PATH
```

In order to avoid typing the export command every time you open a terminal, you should copy it into \$HOME/.bashrc.

```
[user@localhost ~]$ echo "export PATH=$HOME/WRF4G/bin:$PATH" >> $HOME/.bashrc
```

Verifying

You can verify if WRF4G has been deployed properly by running the following command:

```
[user@localhost ~]$ wrf4g_framework start
Starting DRM4G (GridWay) .... OK
Starting WRF4G_DB (MySQL) ... OK
```

If the answers are not satisfactory ("OK"), you should check out the log files:

- \$HOME/WRF4G/opt/drm4g_gridway/var/gwd.log for DRM4G (GridWay)
- \$HOME/WRF4G/var/mysql.log for WRF4G_DB (MySQL).

How to configure computing resources

By default, WRF4G is going to use the local machine as FORK system

How to use WRF4G CLI

How to use wrf4g_prepare command

How to use wrf4g_submit command

How to use wrf4g_kill command

Creating a WRF experiment

How to manage WRF4G errors