

Wikiprint Book

Title: WRF configuration

Subject: TracMeteo - WRF4G2.0/WRFAPP

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To use WRF model in WRF4G2.0, you have to configure `app` variable in the [experiment.wrf4g](#) file. By default, WRF4G2.0 provides a bundle with all you need to simulate an WRF experiment, configure as follows :

```
app = wrf_all_in_one | bundle | /home/user/wrf4g/repository/apps/WRF/WRFbin-3.4.1_r2265_gfortran.tar.gz
```

This bundle is able to be used for any x86_64 Linux system, and contains binaries, libraries and configuration files for WRF-3.4.1 build against gfortran-4.4.7, openmpi-1.4.3 and netcdf-4.1.3, which are include in the bundle too.

But, if you want to use your own WRF installed on your machine or on a cluster, you have to update the `app` variable. There are several ways to configure this variable depending on your WRF configuration system. In order to clarify that, we are going to write some examples:

Using [?module](#) command:

```
app = wps | command | module load wps/4.5.1
      wrf | command | module load wrf/4.5.1
```

We assume that each command is configuring other softwares such as openmpi, netcdf and so on.

Using `PATH` and `LD_LIBRARY_PATH` shell variables:

```
app = netcdf_bin | command | export PATH=/home/user/netcdf-4.1.3/bin/:$PATH
      netcdf_lib | command | export LD_LIBRARY_PATH=/home/user/netcdf-4.1.3/lib/:$LD_LIBRARY_PATH
      wrf_bin    | command | export PATH=/home/user/WRF4.5.1/:$PATH
```

- If WRF is already configured on your system, you do not have use `app` variable.