

Wikiprint Book

Title: WRF4Gframework4g_conf

Subject: TracMeteo - WRF4Gframework4g_conf

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Table of Contents

Database	3
Computing Resources	3

framework4g.conf is read by [wrf4g_framework](#) to manage the WRF4G framework. **framework4g.conf** is located under `$WRF4G_LOCATION/etc` and it has two sections, Database and Computing Resources.

Database

You should modify the database password after starting `wrf4g_framework`. You can execute: `echo "SET PASSWORD FOR 'wrf4guser'@'%' = PASSWORD('newpassword');" | mysql -P 11002 -u wrf4guser -h 127.0.0.1 -p`

```
[Database]
WRF4G_DB_LOCAL=1
WRF4G_DB_HOST=mycomputer
WRF4G_DB_PORT=13306
WRF4G_DB_USER="wrf4guser"
WRF4G_DB_PASSWD="Meteo2011"
WRF4G_DB_DATABASE="WRF4GDB"
```

WRF4G_DB_LOCAL

0 indicates we want to use a external DB, 1 local.

WRF4G_DB_HOST

Computer where DB is running. If `WRF4G_DB_LOCAL=1`, `WRF4G_DB_HOST` has to be the name of the computer where WRF4G is running.

WRF4G_DB_PORT

Port where mysql DB is listening.

WRF4G_DB_USER and WRF4G_DB_PASSWD

Credentials to access DB

WRF4G_DB_DATABASE

Name or the WRF4G DB

Computing Resources

The following code shows the syntax to add resources.

```
[Computing Resources]
#*****
#
#                               HOST CONFIGURATION FILE
#                               -----
# Syntax
# '#' Comments
#
# This file contains one resource per line, with format:
#
# FQDN      attributes
# ...      ...
# FQDN      attributes
#
# where:
#
# * FQDN: is the name of the resource.
# * attributes: are the static attributes of the resource. The syntax is:
#
#     <scheme>://<username>@<host>?<query>
#
#     -scheme: the URL schemes available are "ssh" and "local".
#             * ssh: access to remote DRM via SSH
#             * local: use the local DRM
#     -username: user name
#     -host: host name
#     -query: contains additional information. The query string syntax is:
#             * key1=value1;key2=value2;key3=value3
#
#     Variable options:
```

```

#           LRMS_TYPE   (mandatory)           : DRM system for execution [pbs | sge | fork | loadleveler | mnslnr
#           PROJECT     (optional for SGE,     : specifies the project to which the jobs are assigned
#                   PBS and LoadLeveler)
#           GW_RUNDIR   (optional)            : the directory on the resource in which jobs are deployed. By defa
#           GW_LOCALDIR (optional)            : defines the working directory on the Working Node (have to be abs
#           NODECOUNT  (optional)            : total number of slots on the DRM system
#           QUEUE_NAME  (optional)            : the name of the queue to configure
#*****
# Examples

mycomputer                local://localhost?LRMS_TYPE=fork;NODECOUNT=1
#PBS_cluster              local://localhost?LRMS_TYPE=pbs;QUEUE_NAME=estadistica
#SGE_cluster              local://localhost?LRMS_TYPE=sge;PROJECT=l.project
#RES_cluster              local://localhost?LRMS_TYPE=mnslnr
#remote_PBS_cluster      ssh://user@hostname_submitting_machine?LRMS_TYPE=pbs;QUEUE_NAME=short
#remote_SGE_cluster      ssh://user@hostname_submitting_machine?LRMS_TYPE=sge;PROJECT=l.project
#remote_RES_cluster      ssh://user@hostname_submitting_machine?LRMS_TYPE=mnslnr
#remote_FORK_cluster     ssh://user@hostname_submitting_machine?LRMS_TYPE=fork
#remote_LoadLeveler_cluster ssh://user@hostname_submitting_machine?LRMS_TYPE=loadleveler;NODECOUNT=100

```

After modifying this file, in order to make the changes effective, users will have to execute: `wrf4g_framework reload`

More information about how to add resources on [DRM4G](#).