

# Utilisation de ”*DIET batch management system*”

November 11, 2010

Once the DIET hierarchy is deployed, the *DIET batch management system* servers correctly configured and launched on the target machines three commands are provided to the users to interact with the distant batch schedulers.

This document presents thoses commands.

## 1 Environment setup

In order to be able to set up the environment mandatory for the usage of the different commands and to get some help through man pages, it is necessary to source a script called `diet-env.sh`. Select the one on the machine you are using the different servers/clients.

## 2 The *diet-list* command

This commands is used to list the jobs present on a defined plateforme. This commands takes the `host` name in parameter. It's also possible to ask for the total number of jobs, the number of running jobs or the number of waiting jobs of the platform with the following options `--nball`, `--nbrun` et `--nbwait`.

The command could be used as follows : `diet-list --config path\_to\_the\_configuration\_file --host foo` if we want the list of present jobs in the *foo* machine.

For more information, please take a look at the detailed documentation of the *diet-list* command.

## 3 The *diet-cancel* command

This command can be used to delete a job from a specific machine with its jobID. This command take two parameter, the `host` name and the `jobID`.

The command can be used as follows:

`diet-cancel --config path\_to\_the\_configuration\_file --host foo bar`

if we want to delete the job with id *bar* ont the *foo foo* machine.

For more information, please take a look at the detailed documentation of the *diet-cancel* command.

## 4 The *diet-submit* command

This command is used to submit a job on a machine with a script.

This command takes to parameters : the `host` where we want to submit a `script`.

The command can be used as follows:

`diet-submit --config path\_to\_the\_configuration\_file --host foo script.cmd`

if we want to execute a script *script.cmd* ont the *foo* machine.

For more information, please take a look at the detailed documentation of the *diet-submit* command.