Working on ciclad

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ciclad is an IPSL computing server located on the Jussieu campus in Paris, France.

Documentation

■http://ciclad-web.ipsl.jussieu.fr

■http://ciclad-web.ipsl.jussieu.fr/ciclad-utilisation.pdf

hotline : svp-ciclad@…

The machines and file systems

The front-end machine can be accessed via the `ciclad.jussieu.ipsl.fr` IP.

Data files must be placed in `/data/` or in the filesystem dedicated to your project.

Shared account

cf. Repository for shared files and shared tools `/ipslfs/igcmg/IGCM` belonging to the account igcmg (`${HOME}=/home/igcmg`)

```
$ id -a igcmg
uid=31575(igcmg) gid=31575(igcmg) groups=31575(igcmg)
```

Individual account

You must belong to the igcmg users' group.

cf. to check the result of the command

```
id -a
```

How to define your environment

Add the following line in your login file (e.g. `/home/igcmg/.bashrc`) :

```
. /home/igcmg/.atlas_env_ciclad_ksh
```

for the FORTRAN compiler, the NetCDF library, ferret,...

To find out the selected implementation in the MPI library

```
mpi-selector --query
```

If the answer is different from :

```
default:openmpi-1.4.2-gfortran-x86_64
level:system
```

or if you are not using the FORTRAN compiler `gfortran` you must change this environment with `mpi-selector --set` by choosing among the possibilities returned by the command `mpi-selector --list`.

Job manager commands

torque/maui tool

End-of-job messages

To receive the end-of-job messages returned by the job itself (e.g. end of simulation, error,...) you must specify your email address in the file `${HOME}/.forward`.

How to choose the number of processes?

Example of job for a MPI executable

libIGCM specificities on ciclad