

## **Wikiprint Book**

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Very Important News

See also platform-users mailing list archive here : <http://courriel.ipsl.jussieu.fr/mailman/private/platform-users/>

## 5/6/2015 Transfert très haut débit TGCC-IDRIS

De: Sébastien Denvil  
 Objet: [Platform-users] Transfert très haut débit TGCC-IDRIS  
 Date: 5 juin 2015 11:47:57 UTC+2

Bonjour,

pour information, il est maintenant possible d'utiliser un réseau à très haut débit (10 Gbps) pour transférer des fichiers. On obtient à présent un débit de 150 Mo/s, sans cela le débit maximal était de 35 Mo/s.

La procédure à suivre pour bénéficier de ce réseau est accessible depuis les liens en bas de ce message.

Le réseau des Centres de Calcul Français (CCFR) est un réseau dédié à très haut débit, qui interconnecte les trois centres. Ce réseau CCFR est mis à la disposition des utilisateurs pour faciliter les transferts de données entre les centres nationaux. Sont raccordées sur ce réseau les machines Curie au TGCC, Ada et Adapp à l'IDRIS. Le CINES sera intégré dans les prochains jours.

A l'IDRIS:

<http://www.idris.fr/faqs/reseau-ccfr.html>

Au TGCC, intranet CEA uniquement:

[https://www-tgcc.ccc.cea.fr/fr/tgcc/User\\_documentation.html](https://www-tgcc.ccc.cea.fr/fr/tgcc/User_documentation.html)

bonne journée.

Sébastien

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## 4/6/2015 : compiler change on Ada-IDRIS

Dear all,

Because of bad results with the compilation environment intel/2013.1, we still advise everyone to go back to the previous one as already stated by Laurent Fairhead on May 5th, 2015.

We will put this environment back in the default IPSL environment on ada.

More precisely, the file `~rpsl035/.bash_login` will be modified to point towards the validated environment including intel/2013.0. This will take effect on Tuesday, June 9th, 2015, at 2 pm.

If you followed the recommendations ([https://forge.ipsl.jussieu.fr/igcmg\\_doc/wiki/DocBenvAidris](https://forge.ipsl.jussieu.fr/igcmg_doc/wiki/DocBenvAidris)), you won't have anything to do. Otherwise use `~rpsl035/.bash_login` as a model to modify your own `.bash_login` file.

libIGCM tag v2.6 will also point towards this file. You have to update to this libIGCM tag.

See [https://forge.ipsl.jussieu.fr/igcmg\\_doc/wiki/DocLfaq#HowdoIuseadifferentversionoflibIGCM](https://forge.ipsl.jussieu.fr/igcmg_doc/wiki/DocLfaq#HowdoIuseadifferentversionoflibIGCM) for more information.

Be aware that, even with the environment intel/2013.0, there are still a few errors in some variables with the IPSLCM5A model. We don't support it any more on ada. Please use IPSLCM5\_v5 instead, since it has been checked.

Have good computations on ada! Don't forget to check your results!

## 4/6/2015 : Change in compilation and runtime environment on Curie-TGCC

In order to fix problems related to NetCDF writing/reading encountered on scratchdir filesystem on Curie machine, we are going to switch compilation and running environment with new NetCDF version `netcdf/4.3.3.1_hdf5_parallel`, `nco/4.4.6`

Except for IPSLCM5A model (see below), the change of NetCDF version (switch from 4.2 to 4.3.3.1) has been validated and the reproducibility of the results has been checked for all of models and configurations available through "model" command. We strongly advice you to switch with this new compilation and running environment which will be available from June, 9th. To do that, here are instructions to follow :

#### 1) Environment

The ~p86ipsl/.bashrc environment file we recommend you to use will be adapted to use the new environment.

1.1) If you already use this file, as suggested in the documentation ([http://forge.ipsl.jussieu.fr/igcmg\\_doc/wiki/DocBenvB](http://forge.ipsl.jussieu.fr/igcmg_doc/wiki/DocBenvB))

1.2) If you use your own configuration file (.bashrc\_curie, .bashrc,...), you have to modify it (by adding the load of new

#### 2) Compilation and running

From June, 9th, 2pm, models and configurations dowloaded thanks to the "model" command of modipsl will be adapted to the new environment. For models and configurations extracted before this date, you will have to :

- compile (or compile again after a gmake clean) using the new environment (see 1)).

- update your libIGCM version in order to use new tag libIGCM\_v2.6.

Here is information about the update of libIGCM version: [http://forge.ipsl.jussieu.fr/igcmg\\_doc/wiki/DocLfaq#HowdoIuseadif](http://forge.ipsl.jussieu.fr/igcmg_doc/wiki/DocLfaq#HowdoIuseadif)

Particular case of v6 configurations using XIOS output library : to compile (or compile again) with the new environment, you

- modipsl/modeles/XIOS/arch.env as follows (comment lines) :

```
#module unload netcdf
```

```
#module unload hdf5
```

```
#module load hdf5/1.8.9_parallel
```

```
#module load netcdf/4.2_hdf5_parallel
```

- modipsl/modeles/XIOS/arch.path as follows :

```
HDF5_INCDIR=""
```

```
HDF5_LIBDIR=""
```

```
HDF5_LIB=""
```

#### 3) IPSLCM5A : particular case

IPSLCM5A model performs results which are different from NetCDF 4.2 to 4.3.3.2. If you want to keep exactly the same results, don't change anything in your environment and don't update your libIGCM library.

If you have any simulations which are running, you have also the possibility to not change anything and

to keep the previous environment (beware the automatic change : case 1.1 above) : you have to know there is a risk to obtain

A mail will be sent on June, 9th afternoon once all of these changes will be effective.

Arnaud

## 4/5/2015 : Switchover dods -> esgf

Dear all,

As the dods software is no longer being maintained by its editor

unidata, the IPSL dods servers will be shut down soon.

The data that was reachable this way is now reachable from the thredds servers of the ESGF nodes.

1/ List of switchovers:

IDRIS:

<http://dods.idris.fr> ->

[http://prodn.idris.fr/thredds/catalog/ipsl\\_public/catalog.html](http://prodn.idris.fr/thredds/catalog/ipsl_public/catalog.html)

<http://dods.idris.fr:81> ->

[http://prodn.idris.fr/thredds/catalog/ipsl\\_private/catalog.html](http://prodn.idris.fr/thredds/catalog/ipsl_private/catalog.html)

TGCC:

<http://dods.extra.cea.fr/work> ->

```

http://esgf.extra.cea.fr/thredds/catalog/work/catalog.html
http://dods-prive.extra.cea.fr/work ->
http://esgf.extra.cea.fr/thredds/catalog/work_private/catalog.html
http://dods.extra.cea.fr/store ->
http://esgf.extra.cea.fr/thredds/catalog/store/catalog.html
http://dods-prive.extra.cea.fr/store ->
http://esgf.extra.cea.fr/thredds/catalog/store_private/catalog.html

```

#### CINES:

Commissioning of <http://esgf.cines.fr/thredds> to be done later

#### 2/ List of thredds services

Thredds allows to browse trees via some catalogs as well as to access files via several protocols whose mapping is as follows:

```

HTTP -> fileServer
OpenDAP -> dodsC
NetcdfSubset -> ncSS
WCS -> wcs
WMS -> wms
NCML -> ncml
UDDC -> uddc
ISO -> iso

```

#### 3/ New URLs:

From now on, access to the files should be done using URLs of the form:

```
http://{esgf_node_fqdn}/thredds/{service}/{path}
```

Example, replace these URLs:

#### HTTP:

```
http://dods.idris.fr/rces452/2L36/Atm/TS/2L36_1m_18600101_20001230_BILS.nc
```

#### OpenDAP

```
http://dods.idris.fr/cgi-bin/nph-dods/rces452/2L36/Atm/TS/2L36_1m_18600101_20001230_BILS.nc
```

with these ones:

#### HTTP:

```
https://prodn.idris.fr/thredds/fileServer/ipsl_public/rces452/2L36/Atm/TS/2L36_1m_18600101_20001230_BILS.nc
```

#### OpenDAP:

```
https://prodn.idris.fr/thredds/dodsC/ipsl_public/rces452/2L36/Atm/TS/2L36_1m_18600101_20001230_BILS.nc
```

#### 4/ Access control:

Files put online on 'public' spaces are publicly available.

Files put online on 'private' spaces are available to IPSL IP addresses as well as OpenIDs belonging to the IPSL group.

#### 5/ Term:

Old dods servers at each site will be de decommissioned on June 15th

We remain at your disposal for any further information about the preparation of this switchover.

Thank you

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Nicolas Carenton