

Wikiprint Book

Title: 5/6/2015 Reorganization of the file tree structure in the repository for ...

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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 Reorganization of the file tree structure in the repository for shared files IGCM

A reorganization will be done the 18 of Juin 2015 in the shared repository for input files IGCM at curie, ada and obelix. This has already been done at ergon and ciclad. The reorganization aims to make it easier to find and store files. During the reorganization there might be temporary problems to copy files. A mail to platform-users will announce the end of the reorganization.

Currently the files are devised between the subdirectories STORAGE(the main part) and INIT and BC(mainly links to STORAGE). STORAGE contains subdirectories for each component divided into INIT and BC. In the new structure the subdirectories for each component will moved directly to IGCM: IGCM/ATM, IGCM/SRF, IGCM/OCE, IGCM/CHM and IGCM/CPL. For example IGCM/STORAGE/INIT/ATM and IGCM/STORAGE/BC/ATM will together form the new directory IGCM/ATM.

The directories INIT and BC will be kept and the links will be updated to point to the new file locations. The reorganization will be done so that a current file path pointing to IGCM/INIT or IGCM/BC will still be correct after removing STORAGE.

The directory IGCM/RESTART will not be modified. Read more about this directory here: [DocBenVEcommonfiles](#).

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 mois.

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

bonne journée.
 Sébastien
 --

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/2013.1. 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), you won't have anything 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 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/DocBenvAidris), you have to update it (by adding the load of new environment).
- 1.2) If you use your own configuration file (`.bashrc_curie`, `.bashrc`,...), you have to modify it (by adding the load of new environment).

2) Compilation and running

From June, 9th, 2pm, models and configurations downloaded 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#HowdoIuseadifferentversionoflibIGCM

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

- `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, you have to 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 wrong results.

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

--

Nicolas Carenton