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Very Important News

See also platform-users mailing list archive (for registered users only) here : <http://courriel.ipsl.jussieu.fr/mailman/listinfo/platform-users> or directly here : <http://courriel.ipsl.jussieu.fr/mailman/private/platform-users/>

2023**2023/04/14 Information about TGCC maintenance**

Hello,

following the maintenance on April 11 and 12 on the Irene machines of the TGCC, we have passed a series of control tests on the new TGCC environment. These tests are now completed and we give you the "green light" to launch your simulations on the new TGCC environment.

Before you start, please take note of the following points:

- you will need to update your personal environments, the compiling and execution environments in the running workflow and the documentation listing all the modifications so that they can work on the new redhat8 environment.
- we randomly encounter crashes on some simulations launched on the Irene SKL machine. In this case, the model does not stop and must be restarted "by hand". Investigations are underway to solve this problem.

Please use the platform-users list to ask your questions or to report any problem.

Good luck with this update !

Arnaud, for Platform group ICMC

2023/02/17 - WARNING - major change on TGCC computing - WARNING -

Bonjour, (french below)

During the maintenance of April 11 and 12, 2023 all the Irene machines of the TGCC (skylake, rome, xlarge,...) will change OS (it will go from redhat7 to redhat8). The computing environment currently used by modipsl will no longer be available on the new OS. This implies that the executables of the codes compiled with the current environment will no longer be usable and that the results of the simulations will not be strictly identical to what we currently obtain. The Platform group is currently working on porting the codes and validating them on this new environment in order to be ready for the switchover on April 13.

In the meantime, we strongly encourage you to think about the timing of your future simulations in relation to this date, and to contact the technical manager of the configuration you are using if you have any questions.

Lors de la maintenance des 11 et 12 avril 2023 toutes les machines Irene du TGCC (skylake, rome, xlarge, ...) vont changer d'OS (cela passera de redhat7 à redhat8). L'environnement de calcul que nous utilisons actuellement via modipsl ne sera plus proposé dans ce nouveau système d'exploitation. Cela implique que les exécutables des codes compilés avec l'environnement actuel ne pourront plus être utilisés et que les résultats des simulations ne seront pas strictement identiques à ce que l'on obtient actuellement. Le groupe Plateforme travaille actuellement au portage des codes et à leur validation sur ce nouvel environnement afin d'être prêt pour la bascule le 13 avril.

En attendant nous vous encourageons fortement à penser le calendrier de vos futures simulations en fonction de cette date, et à vous rapprocher du responsable technique de la configuration que vous utilisez si vous avez des questions.

2023/01/18 Information about Relief.nc and landiceref.nc and ce0l: correction on path

Dear all,

This is an information if you run the program `ce0l` (`create_etat0_limit`) from LMDZ, the program used to create `start.nc`/`sta`

1) Currently in the configurations `v6.2_work`, `v6.3_work` or `v6.4_work`, this program doesn't work. The experiences `CREATE_` w
It'll be resolved as soon as possible. Use an older version for `ce0l` for the moment.

2) The input files `Relief.nc` and `landiceref.nc` stored in the shared repository, where only links to newer files. These lin
pointed to older versions. Instead you should put in `lmdz.card` (if you use `libIGCM`) the specific file you need. For exampl

```

({R_IN}/ATM/Relief_GMTED2010_15n015_00625deg_plus_GA.nc,  Relief.nc), \
({R_IN}/ATM/landiceref_GA_HR.new.nc,                      landiceref.nc) \

```

To use the original files, necessary if you need to be coherent with the coupled model:

```

({R_IN}/ATM/INPUT_CE0L/Relief_orig.nc,          Relief.nc), \
({R_IN}/ATM/INPUT_CE0L/landiceref_orig.nc,      landiceref.nc) \

```

If you use another run script, you should just remember to rename the files before starting `ce0l`.

2022

2022/10/24 gestion du storedir sur les machines du TGCC / management of the storedir on TGCC computers

(english below)

Bonjour,

Le TGCC a mis à jour les deux commandes `ccc_quota` et `ccc_tree` afin
qu'elles puissent aider à surveiller l'usage que l'on fait du store et à
respecter les critères définis par le TGCC.

Pour rappel le TGCC a un système de surveillance qui enclenche des
alertes lorsque sur le storedir d'un compte il y a : plus de 500
fichiers ET { 80% des fichiers ont une taille inférieure à 500Mo OU la
taille moyenne des fichiers est inférieure à 1Go }

La commande `ccc_quota` vous permet de connaître, entre autre, vos
pourcentages de fichiers dont la taille est inférieure à 500Mo (très
petits fichiers), idem pour ceux dont la taille est inférieure à 1Go
(petits fichiers), et vous donne la taille moyenne de vos fichiers.

La commande `ccc_tree` vous indiquera répertoire par répertoire la
proportion de très petits fichiers, petits fichiers, la taille moyenne
des fichiers, mais également le nombre d'inodes qui ne sont pas des
fichiers. Tout cela correspond à une note sur 20. Si la note est
supérieure à 10/20 le répertoire apparaît en vert, sinon il apparaît en
rouge. Idéalement vous devriez avoir un maximum de répertoires verts.

Pour rappel au delà des conditions de déclenchement d'alerte, il est
fortement recommandé de ne stocker que des gros fichiers ur le storedir
et de stocker les petits fichiers sur le workdir.

Anne

Hello,

The TGCC has updated the two commands `ccc_quota` and `ccc_tree` so that they can help to monitor the use of the store and to respect the criteria defined by the TGCC.

As a reminder the TGCC has a monitoring system that triggers alerts when on the `storedir` of an account there are: more than 500 files AND { 80% of the files are smaller than 500MB OR the average file size is smaller than 1GB }

The `ccc_quota` command allows you to know, among other things, the percentage of files whose size is less than 500MB (very small files), as well as those whose size is less than 1GB (small files), and gives you the average size of your files.

The `ccc_tree` command will tell you directory by directory the proportion of very small files, small files, the average size of the files, but also the number of inodes that are not files. All this corresponds to a score out of 20. If the score is higher than 10/20 the directory appears in green, otherwise it appears in red. Ideally you should have a maximum of green directories.

As a reminder, beyond the conditions for triggering an alert, it is strongly recommended to store only large files on the `storedir` and to store small files on the `workdir`.

Anne

2022/09/23 ORCHIDEE at Spirit and Spiritx on IPSL ESPRI MESO center

Dear all,

ORCHIDEE offline configurations using `modipsl` and `libIGCM` are now updated to compile and run at the new Spirit and Spiritx

Note that:

- The file system is the same between `ciclad` and `spirit` and between `climserv` and `spritx`. But you cannot run an executable
- Following configurations have been update : ORCHIDEE trunk, ORCHIDEE_4_1, ORCHIDEE_3 and ORCHIDEE_2_2
- For these configurations, there is no need to install or load specific modules before compilation. All is included and a
- If you use another version or personal version, you need to update the file `ORCHIDEE_OL/compile_orchidee_ol.sh` and add O
- Using `libIGCM` at Spirit(x), creating, launching job and post-processing TS and SE have been done. Pack tools and monitor
- Compilation with old method using Makefiles based on `AA_make` has not been adapted to `spirit/spiritx`
- Launching is done using `slurm` at `spirit` and `spiritx`. For you that work on Jean-Zay/IDIRS, this is the same system. Launc
- If problems, use `orchidee-help@listes.ipsl.fr`
- LMDZOR configurations to come hopefully soon (let me know if you're waiting for it)

Kind regards,
Josefine

2022/09/09 Arrêt du superviseur Hermes

Bonjour,

Nous vous informons que le service de supervision Hermes sera arrêté définitivement d'ici quelques jours. Pour rappel, le superviseur Hermes avait été mis en service en 2016 afin de pouvoir suivre les simulations utilisant la chaîne de calcul et de post-traitement de l'IPSL sur les

différents centres de calcul. Il a été très utilisé durant la phase de production de l'exercice CMIP6 et n'est plus fonctionnel depuis début 2021.

Le groupe PlateForme

Hello,

We would like to inform you that the Hermes supervisor service will be permanently stopped within a few days. As a reminder, the Hermes supervisor had been put in service in 2016 in order to be able to follow the simulations using the IPSL computation and post-processing chain on the different computing centers. It was used extensively during the production phase of the CMIP6 exercise and is no longer functional since early 2021.

The PlateForme group

2022/01/03 configuration IPSLCM5A2.2

Bonjour,

(English below)

The IPSLCM5A2.2 configuration is now available when downloading and installing the IPSLCM model with modipsl (./model)

The changes and bug fixes are mostly directed at pelo simulations.

For people that use this configuration in Prindustrial or actual simulation the change from IPSLCM5A2.1 to IPSLCM5A2.2 shows. It is now possible to use MOSAIX interpolation weights instead of MOSAIC. If using MOSAIX you should set `cpl_old_calving = n` in `run.def`.

For paleo simulations:

- there are now paleo experiments available for IPSLCM and LMDZOR when copying `config.card` to create your experiment directory
- there are also namelist file in PARAM named `filesomething_paleo` that are to be used for paleo simulations (driver files)

A bug in orchidee that forced to introduce an ice point at the south pole has been corrected.

The IPSLCM5A documentation will be updated to account for these modifications

If you have any problem when trying to use IPSLCM5A2.2 please let me know so that I can correct what is wrong if needed.

Best !

Sébastien Nguyen (Engineer in charge of IPSLCM5A configuration within IPSL)

2021

2021/12/15 [INFORMATION] New THREDDs web-service

We deployed a new THREDDs server into production: <https://thredds-su.ipsl.fr/> It replaces <https://vesg.ipsl.upmc.fr/> to provide data to IDRIS and CICALAD. This implies new URLs to access data on your THREDDs spaces.

For the next 3 months, we won't modify the configuration of vesg.ipsl.upmc.fr to avoid any disruption of service.

We strongly recommend that you do NOT wait to adapt your scripts and tools.

2021/07/09 Clean of old configurations in mod.def

We cleaned all old configurations in file mod.def that were not supported anymore.

Removed configurations are :

- IPSLCM6.0.0 => IPSLCM6.0.15
- IPSLCM6.1.0 => IPSLCM6.1.9
- IPSLCM5A and IPSLCM5B
- LMDZOR_v6.1.2 => LMDZOR_v6.1.9
- LMDZ5A2.1_ISO
- LMDZORINCAREPR_v6
- ORCHIDEE_trunk_TP

If you want to checkout a mod.def with all informations on old versions, you can use the 3 following command lines:

```
svn co -r 5879 http://forge.ipsl.fr/igcmg/svn/modipsl/trunk/util/ --depth empty
cd util
svn up mod.def
```

or you can extract all modipsl architecture with the version of mod.def containing old revisions:

```
svn co -r 5879 http://forge.ipsl.fr/igcmg/svn/modipsl/trunk modipsl
```

2020

2020/05/20 IPSL-CMC workflow adapted to Irene-amd/TGCC

The IPSL-CMC running environment for calculation and post-treatment has now been adapted for use at Irene-amd the new supercomputer.

The main information related to the use of Irene-amd can be found in the documentation https://forge.ipsl.fr/igcmg_doc/wiki

A technical control quality have been performed on the IPSLCM6.1.11-LR and IPSLCM6.2_work configurations. A scientific validation is in progress. We encourage you strongly to also validate personally the configuration you use.

The way to use this new supercomputer is very close to Irene-skl machine concerning filesystems, use of modules, compilers, etc.

Note for CMIP6 simulations to be run on this machine : you have to modify the config.card as indicated here : https://forge.ipsl.fr/igcmg_doc/wiki

If you have any questions, don't hesitate to send them to the list "platform-users@listes.ipsl.fr" so that more people can benefit from the answers.

2020/04/28 server svn for LMDZ on TGCC

Dear all,

I'm not sure that this information was already give on the platform_users list.

The svn LMDZ server was modify at the beginning of april. The new one doesn't work on irene, so LMDZ team done a copy of the old one on TGCC.

Line

```
#-S- 11 svn http://svn.lmd.jussieu.fr/LMDZ
```

will become

```
#-S- 11 svn http://oldsvn.lmd.jussieu.fr/LMDZ
```

Have a good day
Anne

2019

you can read archive [here](#)

2016

you can read archive [here](#)

2015

you can read archive [here](#)