

Betreff: Re: Draft version minutes form DTF meeting in Paris

Von: Antonio S. Cofiño <antonio.cofino@unican.es>

Datum: 22.06.2016 18:47

An: Michael Lautenschlager <lautenschlager@dkrz.de>, Frank Toussaint <Toussaint@dkrz.de>, Christian Pagé <christian.page@cerfacs.fr>, Guillaume Levavasseur <glipsl@ipsl.jussieu.fr>, Stephan Kindermann <kindermann@dkrz.de>, Kolax Michael <Michael.Kolax@smhi.se>, Martin Juckes <martin.juckes@STFC.AC.UK>, Sebastien Denvil <sebastien.denvil@ipsl.jussieu.fr>, Philip Kershaw <philip.kershaw@stfc.ac.uk>, "grigory.nikulin@smhi.se" <grigory.nikulin@smhi.se>, Stéphane Sénési <stephane.senesi@meteo.fr>, "Som de Cerff, Wim (KNMI)" <wim.som.de.cerff@knmi.nl>, Francesca Guglielmo <francesca.guglielmo@lsce.ipsl.fr>, Sandro Fiore <sandro.fiore@unisalento.it>, Joussaume Sylvie <sylvie.joussaume@lsce.ipsl.fr>, Pierre-Antoine Bretonniere <pierre-antoine.bretonniere@bsc.es>, Ingo Bethke <ingo.bethke@uni.no>, Mark Greenslade <mark.greenslade@ipsl.jussieu.fr>

Kopie (CC): <enes-datatf@lists.enes.org>

Michael,

I have re-write with the unlimited dimension in Netcdf paragraph. Is not an issue with compressed Netcdf4, it relates with unlimited dimension in NetCDF.

My proposal is to remove the time as unlimited dimension. This could be applied to NetCDF3 files.

It would be considered to be added as the last step after file is generated by modellers.

Using the netcdf-c library:

```
$ nccopy -u in.nc out.nc
```

or using the complete command

```
$ nccopy -7 -u -s -d 4 in.nc out.nc
```

-7 output as NetCDF4 as classic model data

-s shuffle filter (this re-arrange the MSB and LSB making better compression whet deflate filter is applied)

-d 4 gzip compression level (higher level must be check)

-u remove unlimited dimension

Also NCO (i.e. ncks) could be used.

I have made some typo corrections.

Regards

Antonio

[1] Improving Performance with Chunking: http://www.unidata.ucar.edu/software/netcdf/docs/netcdf_perf_chunking.html

[2] NetCDF-4 Performance Report: https://www.hdfgroup.org/pubs/papers/2008-06_netcdf4_perf_report.pdf

[3] Classic File Format Performance: <https://www.unidata.ucar.edu/software/netcdf/workshops/most-recent/performance/ClassicPerf.html>

[4] NetCDF-4 Performance Tips: <https://www.unidata.ucar.edu/software/netcdf/workshops/most-recent/performance/NetCDF4Perf.html>

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El 19/06/2016 a las 16:05, Michael Lautenschlager escribió:

Dear all,

please find enclosed with this mail the draft version of the minutes form our meeting in Paris begin of this month. I merged the notes from Stephan, Frank and myself into one document.

Please send your refinements until next Wednesday, June 22nd. I would like to make the resulting modifications on Thursday and move the final version to the DTF wiki. Please send your presentations at the meeting as well to be integrated into the wiki page. The institutional presentations in connection RM-ODP/ISO will not be moved to the public area of the Redmine wiki. They are only for personal use of the meeting participants and ENES DTF members.

I personally need some of the information in the ESGF/CMIP6 presentations for our kick-off of the national CMIP6 support project mid of July.

Thank you in advance and best regards, Michael

—Anhänge:

Minutes-ENES-DTF-Meeting-08-090616-Paris_cofino.docx

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