
Subject: Re: cdf2idl, but I need code to WRITE the file
Posted by [David Fanning](#) on Tue, 10 Dec 2013 20:19:36 GMT
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Edward Hyer writes:

>
> Hello IDL Wizards,
>
> I have been training up on NetCDF, and I am very excited as it seems that there are now tools that will make a small investment in developing a data structure and modifying the workflow around it pay off 1000-fold in analysis, archiving, and general handling of the data. Also, I like the fact that there are A LOT of tools to make the boring part quick.
>
> The workflow I am building is based around maintaining a master NetCDF template as a CDL descriptor file. This can then be turned into a blank NetCDF file using the 'ncgen' tools. I have located tools that will turn the blank NetCDF file into reading and writing routines in FORTRAN and C++: ftp://ftp.orbit.nesdis.noaa.gov/pub/star/tmavor/IGOR/GOES-R%20Reports/FlowChartPackage/tools/code_generator
>
> There is also a nice tool called cdf2idl (Appears to be orphaned by its creators, the "Center for Clouds Chemistry and Climate (C4) Integrated Data Systems (CIDS) group", but I found it here: <http://cheas.psu.edu/data/people/ricciuto/iss2/cdf2idl.pro>
>
> This routine takes your NetCDF file and spits out IDL code to read it. Has anyone ever seen (or written) code that take a NetCDF file and spits out IDL code to write to it?
>
> For what it's worth, I don't actually intend to *create* the file in IDL. I intend to make a copy of the template and use IDL to write the attributes and data into the blank file.

You can use the COPY methods of the NCDF_File object on the Coyote Library to copy attributes and data from one netCDF file to another.

See the NCDF_File_Examples program in the Library for an example of how this is done.

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
Sepore ma de ni thue. ("Perhaps thou speakest truth.")
