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Subject: cdf2idl, but I need code to WRITE the file  
Posted by [MarioIncandenza](#) on Tue, 10 Dec 2013 20:05:28 GMT  
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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](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.

Regards,

--Edward H.

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