
Subject: Re: Unable to create netCDF file
Posted by [Foldy Lajos](#) on Thu, 31 Mar 2011 18:06:39 GMT
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On Thu, 31 Mar 2011, Kenneth P. Bowman wrote:

```
> Any idea why I cannot create a netCDF file using tilde expansion?
>
> IDL> id = NCDF_CREATE('~'/test.ncd', CLOBBER = clobber)
> % NCDF_CREATE: Unable to create the file, ~/test.ncd. (NC_ERROR=-31)
>
> I thought it was a generic problem with tilde expansion, but it works
> for plain files (the file text.txt exists and contains 'test').
>
> IDL> openw, iunit, '~/test.txt', /get_lun
> IDL> printf, iunit, 'test'
> IDL> free_lun, iunit
>
> NetCDF file creation works if I provide the fully-qualified path.
```

I think NCDF_CREATE does not expand path names. Your error message indicates that the ~ directory in ~/test.ncd does not exist:

```
IDL> id = NCDF_CREATE('~'/test.ncd', CLOBBER = clobber)
% Loaded DLM: NCDF.
% NCDF_CREATE: Unable to create the file, ~/test.ncd. (NC_ERROR=-31)
% Execution halted at: $MAIN$
IDL> $mkdir '~'
IDL> id = NCDF_CREATE('~'/test.ncd', CLOBBER = clobber)
IDL> help, id
ID      LONG      =      5
```

regards,
Lajos

Subject: Re: Unable to create netCDF file
Posted by [David Fanning](#) on Thu, 31 Mar 2011 18:19:15 GMT
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FÖLDY Lajos writes:

```
> I think NCDF_CREATE does not expand path names. Your error message
> indicates that the ~ directory in ~/test.ncd does not exist:
```

Yes, I would guess it is a netCDF library thing and not an IDL thing. Maybe IDL could expand the path before it called the library routine.

Cheers,

David

--

David Fanning, Ph.D.

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Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")
