
Subject: Problem with IDL 6.0, smb://, PowerMac G4, OS 10.2.8

Posted by [blanke](#) on Sat, 07 Feb 2004 15:45:42 GMT

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I am having trouble reading some data on a very simple (and small) netCDF file, on a volume (Sun disk) mounted with Samba protocol, using IDL 6.0 on a PowerMac G4 running Mac OS 10.2.8.

If my test file is physically on my Mac, no problem.

If the same test file is read on a volume mounted with Samba (smb://...), problem (see below).

However, a UNIX 'cmp' command (run in a Terminal window) does not flag any difference between both files !!!

```
cmp /Volumes/home2/blanke/angle.nc /Users/g4/Documents/angle.nc
      smb-mounted file           local file
```

Could anyone try to reproduce my problem, help me understand its origins, and possibly propose some worarounds ?

1. Check the outcome of the following IDL instructions for a "local" version of the test file.
2. idem, but when the file is present on an external volume mounted with Samba.

```
cid=ncdf_open('angle.nc')
vid=ncdf_varid(cid,'angle')
ncdf_varget,cid,vid,angle
print,min(angle),max(angle)
```

Correct result should be:

```
3.3040068    3.8353316
```

My bugged result (for the file mounted with Samba) is:

```
-1.2062433e+270  1.4828745e+241
```

address for the test file (size= 17,196 ko) is:

<http://www.ifremer.fr/lpo/blanke/angle.nc>

Any help will be highly appreciated.

Bruno

Subject: Re: Problem with IDL 6.0, smb://, PowerMac G4, OS 10.2.8
Posted by [Kenneth P. Bowman](#) on Wed, 11 Feb 2004 18:16:52 GMT
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In article <c0damf\$8t8\$1@melon.univ-brest.fr>,
blanke <blanke@univ-brest.fr> wrote:

- > Problem does NOT appear with ncdump (part of netcdf library version
- > 3.5.1-beta13, installed with fink).
- >
- > But problem DOES appear with ncks (part of nco package, version 2.7.4-2):
- > - ncks applied on a local file works well;
- > - ncks applied on the same file, but samba-mounted, gives erroneous results.
- >
- > Bruno

So, it sounds like a Samba problem, not an IDL problem. You could try
ncks on an NFS-mounted file to confirm.

Ken

Subject: Re: Problem with IDL 6.0, smb://, PowerMac G4, OS 10.2.8
Posted by [Mark Hadfield](#) on Wed, 11 Feb 2004 22:01:16 GMT
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blanke wrote:

- >
- > Problem does NOT appear with ncdump (part of netcdf library version
- > 3.5.1-beta13, installed with fink).
- >
- > But problem DOES appear with ncks (part of nco package, version 2.7.4-2):
- > - ncks applied on a local file works well;
- > - ncks applied on the same file, but samba-mounted, gives erroneous
- > results.
- >
- > Bruno

Something to do with moving the file pointer around in the file, as
opposed to sequential access?

--

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