
Subject: Re: Problem with IDL 6.0, smb://, PowerMac G4, OS 10.2.8
Posted by [David Fanning](#) on Sat, 07 Feb 2004 16:44:53 GMT
[View Forum Message](#) <> [Reply to Message](#)

blanke writes:

- > 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.

This is almost certainly a byte-order problem. Here is some information for you:

http://www.dfanning.com/tips/endian_machines.html

Setting one or the other "SWAP_ENDIAN" keywords on your OPENR command will fix you right up. :-)

Cheers,

David

--

David W. Fanning, Ph.D.
Fanning Software Consulting, Inc.
Phone: 970-221-0438, E-mail: david@dfanning.com
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: Problem with IDL 6.0, smb://, PowerMac G4, OS 10.2.8
Posted by [Kenneth P. Bowman](#) on Sat, 07 Feb 2004 23:51:57 GMT
[View Forum Message](#) <> [Reply to Message](#)

In article <MPG.1a8ec3f24dc721029897dd@news.frii.com>,
David Fanning <david@dfanning.com> wrote:

- > Setting one or the other "SWAP_ENDIAN" keywords on your
- > OPENR command will fix you right up. :-)

This is a netCDF file, which should make endianess transparent through the use of XDR. There are no "swap" keywords for the NCDF_OPEN function.

While I can shoot down David's idea, I have no idea what the problem is (having no experience with Samba).

Since the data is on a Sun, why not use NFS to your Mac?

Ken

Subject: Re: Problem with IDL 6.0, smb://, PowerMac G4, OS 10.2.8
Posted by [David Fanning](#) on Sun, 08 Feb 2004 01:39:44 GMT
[View Forum Message](#) <> [Reply to Message](#)

Kenneth P. Bowman writes:

> While I can shoot down David's idea,

Like shooting fish in a barrel! :-)

Cheers,

David

P.S. I guess I **could** have read the question, but
I was just back from playing tennis in 21F temperature.
Of course, it **was** sunny, and we used sea-level balls.
But that was fanatic, even for me. I think the brain was
... uh, frozen. :-)

--

David W. Fanning, Ph.D.
Fanning Software Consulting, Inc.
Phone: 970-221-0438, E-mail: david@dfanning.com
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: Problem with IDL 6.0, smb://, PowerMac G4, OS 10.2.8
Posted by [Kenneth P. Bowman](#) on Mon, 09 Feb 2004 01:57:12 GMT
[View Forum Message](#) <> [Reply to Message](#)

In article <MPG.1a8f41492c6bb99e9897de@news.frii.com>,
David Fanning <david@dfanning.com> wrote:

> P.S. I guess I **could** have read the question, but
> I was just back from playing tennis in 21F temperature.
> Of course, it **was** sunny, and we used sea-level balls.
> But that was fanatic, even for me. I think the brain was
> ... uh, frozen. :-)

I just spent the entire weekend at the ZAT with my daughter (and driving
back and forth). She lost in the finals of the consolation round, but

it was the best she has ever done. She played 85 games today (8 sets), but I think I'm more tired. In case you couldn't tell, this is for tennis junkies only. ;-)

Ken

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

Posted by [blanke](#) on Mon, 09 Feb 2004 10:14:46 GMT

[View Forum Message](#) <> [Reply to Message](#)

Kenneth P. Bowman wrote:

>
> While I can shoot down David's idea, I have no idea what the problem is
> (having no experience with Samba).
>
> Since the data is on a Sun, why not use NFS to your Mac?
>

Fantastic !

NFS mounting suppressed my problem. Thanks for the hint.

Note: I used the information given in document

<http://www.fxguide.com/modules.php?name=fxtips&rop=showcontent&id=120>

Not sure whether I need to transfer my bug to a Samba-related newsgroup (if ever such a group exists).

Thanks again,

Bruno

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

Posted by [Mark Hadfield](#) on Mon, 09 Feb 2004 19:42:57 GMT

[View Forum Message](#) <> [Reply to Message](#)

blanke wrote:

> NFS mounting suppressed my problem. Thanks for the hint.
>
> Note: I used the information given in document
> <http://www.fxguide.com/modules.php?name=fxtips&rop=showcontent&id=120>
>
> Not sure whether I need to transfer my bug to a Samba-related newsgroup
> (if ever such a group exists).

I suggest you do: samba@lists.samba.org

--

Mark Hadfield "Ka puwaha te tai nei, Hoesa tatou"
m.hadfield@niwa.co.nz
National Institute for Water and Atmospheric Research (NIWA)

Subject: Re: Problem with IDL 6.0, smb://, PowerMac G4, OS 10.2.8
Posted by [Kenneth P. Bowman](#) on Mon, 09 Feb 2004 21:10:53 GMT
[View Forum Message](#) <> [Reply to Message](#)

In article <c08ns1\$9j\$1@newsreader.mailgate.org>,
Mark Hadfield <m.hadfield@niwa.co.nz> wrote:

>> Not sure whether I need to transfer my bug to a Samba-related newsgroup
>> (if ever such a group exists).
>
> I suggest you do: samba@lists.samba.org

Good idea. Do you see the problem when not using IDL? For example, do
the ncdumps look the same under Samba and NFS?

Ken

Subject: Re: Problem with IDL 6.0, smb://, PowerMac G4, OS 10.2.8
Posted by [blanke](#) on Wed, 11 Feb 2004 13:28:41 GMT
[View Forum Message](#) <> [Reply to Message](#)

Kenneth P. Bowman wrote:

> Do you see the problem when not using IDL? For example, do
> the ncdumps look the same under Samba and NFS?
>
> Ken

Good point.

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.

