
Subject: Re: netcdf + idl: posixio.c:265: px_pgin: Assertion ...

Posted by [R.Bauer](#) on Thu, 14 Apr 2011 08:33:14 GMT

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

Am 13.04.2011 15:24, schrieb Fabzou:

> Hi,

>

> Thanks for the information. Could it be related to my problem?

> https://groups.google.com/group/comp.lang.idl-pvwave/browse_thread/thread/85b56dbd3e16d687/213ae8de36749fd9?hl=ky&lnk=gst&q=fabzou#213ae8de36749fd9

>

I guess it is.

>

> Anyway, I did not understand what you mean with:

>

>> The workaround is to to introduce a caching routine for copying the file

The workaround is a function with locking capability which copies a file from NFS to local storage before it becomes readed.

https://idlsurface.fz-juelich.de/hg/icg_lib-11.0/file/tip/idl_work/rb_lib/caching.pro

>> to a local storage with IO Block: 4096 size.

if you do a

> stat filename

From the man page

NAME

stat - display file or file system status

you get the IO Block information of the filesystem for your filename.

In our case we have on the fileservr the IO Block: 4096 size but not on the NFS filesystem.

Reimar

>

> Is there a code template for this ?

>

> Thanks in advance,

>

> Fab

>
> On 04/13/2011 02:37 PM, Reimar Bauer wrote:
>> Hi
>>
>> we found a terrible netCDF problem which makes it hard to use a given
>> network storage for reading many many files.
>>
>> It is the same problem for reading as discussed in that thread
>> https://www.unidata.ucar.edu/mailling_lists/archives/netcdfgroup/2011/msg00108.html
>>
>> The workaround is to introduce a caching routine for copying the file
>> to a local storage with IO Block: 4096 size.
>>
>> We have some users which got a bit crazy because of random
>>
>> idl: posixio.c:265: px_pgin: Assertion `*posp == ((off_t)(-1)) || *posp
>> == lseek(nciop->fd, 0, 1)' failed.
>> Aborted
>>
>> while accessing a few hundred files.
>>
>> cheers
>> Reimar
>
