Subject: Re: writing large 3D data file fails
Posted by dorthe on Thu, 08 Oct 2009 09:13:34 GMT
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On Oct 8, 1:32 am, Nigel Wade <n...@ion.le.ac.uk> wrote:
> On Thu, 08 Oct 2009 01:10:09 -0700, Dorthe Wildenschild wrote:
>> On Oct 7, 9:05 am, David Fanning <n...@dfanning.com> wrote:
>>> Dorthe Wildenschild writes:
>>>> I have a fltarr of 4008x4008x865 voxels that I'm trying to write to a
>>>> file using
>
>>>> GET_LUN, lun
>>>> OPENW, lun, '/nfs/blahblah.dat'
>>>> WRITEU, lun, volume
>>>> CLOSE, lun
>>>> FREE_LUN, lun
>
>>>> this normally works like a charm for writing a simple binary data
>>>> file, but for this large dataset, I can't get it to work? The file
>>>> that get's written is way too small (about 3.5 GB - if I write it as
>>>> a netDCF it is =A821 GB, which is more like the right size)
>
>>>> Any ideas what goes wrong here?
>
>>> My guess would be a 32-bit operating system. :-)
>
>>> Cheers,
>
>>> David
>
>>> --
>>> David Fanning, Ph.D.
>>> Coyote's Guide to IDL Programming (www.dfanning.com) Sepore ma de ni
>>> thui. ("Perhaps thou speakest truth.")- Hide quoted text -
>
>>> - Show quoted text -
>
>> can't be, the system is 64 bit, Linux - with 64 GB of memory, so should
>> be OK (and it is, I don't get any errors)
>
> What is the NFS server filesystem/OS and NFS version? (the /nfs sort of
> implies it's NFS mounted). I've never tried read/write multi-GB files
> over NFS, but there could be issues there.
>
> --
> Nigel Wade- Hide quoted text -
>
> - Show quoted text -

it's just the naming structure for our various unix-based raid storage, - they write fine normally, I wrote the 21 GB netCDF file just fine