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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](http://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

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