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Subject: Re: writing large 3D data file fails  
Posted by [Nigel Wade](#) on Thu, 08 Oct 2009 08:32:31 GMT  
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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 fitarr 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

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