
Subject: Re: Trouble writing very large files

Posted by [Bringfried Stecklum](#) on Fri, 16 Jan 2009 08:35:16 GMT

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wlandsman wrote:

> Vince Hradil posted a message in September about problems writing
> large files. I am encountering the same problem, but with a
> variation. Instead of giving a segmentation fault, IDL returns
> without writing anything.

>

> IDL> print,!version

> { x86_64 linux unix linux 7.0 Oct 25 2007 64 64 }

> IDL> im = intarr(4096,4096,256)

> IDL> openw,1,'test.dat'

> IDL> writeu,1,im

> IDL> close,1

> IDL> \$ls -l test.dat

> -rw-r--r-- 1 wlandsma shadow 0 2009-01-15 15:22 test.dat

>

> If I instead do the same thing with a 4096 x 4096 x 255 array, then

> IDL does crash with a segmentation fault. My guess is that an

> internal IDL counter is not properly defined as 64 bit integer, and

> so is being set to zero in my first case (where subscripts are a exact

> multiple of two). In the second case it is being set to a negative

> number and causing IDL to crash.

>

> In any case this seems to be an internal IDL bug, since I should be

> able to write these arrays on a 64 bit machine. --Wayne

It seems to be a writeu bug since save works fine

IDL Version 6.4 (linux x86_64 m64). (c) 2007, ITT Visual Information Solutions
Installation number: 12207.

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IDL> hhh=intarr(4096,4096,128)

IDL> openw,1,'hhh'

IDL> writeu,1,hhh

Segmentation fault

2nd attempt

IDL> hhh=intarr(4096,4096,128)

IDL> save,hhh,file='hhh'

IDL> exit

Regards,

Bringfried
