
Subject: Trouble writing very large files

Posted by [wlandsman](#) on Thu, 15 Jan 2009 20:39:06 GMT

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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 an 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
