
Subject: Re: Trouble reading unformatted f77 (unix) integers?

Posted by [evans](#) on Wed, 10 May 1995 07:00:00 GMT

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In article <3oqb90\$12l@harbinger.cc.monash.edu.au>, Brett Hennig

<bretth@lovelace.maths.monash.edu.au> writes:

> Here's the problem:

> The F77 code:

>

> open(unit=51,name='test1.dat',status='unknown',form='unformatted')

> write(51)1,2,3

> close(51)

> end

>

> The idl code(that doesn't work):

>

> openr,n,'test1.dat',/get_lun,/f77_unformatted

> x=0 & y=0 & z=0

> readu,n,x,y,z

> print,x,y,z ----> 1 0 2

> free_lun,n

> end

The problem is that x, y, z are being initialized as integers (2 bytes) rather than longs (4 bytes), while the fortran program is writing out 4-byte integers.

Replacing the line

x=0 & y=0 & z=0

with

x=0L & y=0L & z=0L

will make the idl code work correctly.

Cheers!

Ian

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