Subject: Re: Use IDL6.0 to read gcc3.4(Mingw32) written data
Posted by badjelly.witch on Wed, 08 Aug 2007 21:29:50 GMT
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I don't know if the following is the cause of your problem, but in the
following code snippet...

```
cmat = fltarr(8,4)
openr, lun, "cmat.dat",/GET_LUN,/swap_endian

readu, lun, ii
readu, lun, cmat
readu, lun, jj

print, "ii", ii
print, "cmat", cmat
print, "jj", jj
```

...I see no sign that you have created the variables ii and jj before
reading them. In this case the variables will be created as scalars of
type float, which will not do what you intend.

On another tack, I suggest you download and install Hedit (it's free)

http://www.yurisw.com/HEdit.htm

With this tool you can look at the contents of your binary file. It
has a handy display at the top: you move the cursor to any position
and it shows the value that the 1, 2, 4 or 8 bytes starting at that
position will have if interpreted as a binary, byte, short, long,
float or double scalar. It should help you work out why one of your
files is 2 bytes longer than you expected.

On yet another tack, I don't understand why you would have to open
your files with SWAP_ENDIAN if they are being written on the same
platform as they are being read.