
Subject: Re: Associated reads on Unix/f77 binaries
Posted by [steinhh](#) on Mon, 22 Jan 1996 08:00:00 GMT
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In article <franz.8.0016A52E@bikini.gsfc.nasa.gov>, franz@bikini.gsfc.nasa.gov (Bryan A. Franz) writes:

||>
> Has anybody managed to do associated reads on files generated by f77 under
> Unix ?
>
> I have RTFM, which states that you can't do associated reads on files
> generated from FORTRAN 77 under Unix. Apparently, f77 sticks a longword
> containing the number of bytes before and after each logical record. IDL's
> readu accounts for the extra bytes, but assoc does not. It seems to me that
|
> should still be able to do the associated reads, if I just added a dummy
> longword on either side of my datastructure, but it does not seem to work.
>

I think this should work. f77's idea of a logical record need not be the same as your idea of a logical record, though! If you write one (of your) record(s) with multiple WRITE statements, I think f77 decides that there's one record for each WRITE statement. You should really take a look at the format of the file itself to make sure. Use e.g., od (octal dump -- use "-h" to get hex, which I prefer) too look at it. Once you get the number (and placement) of extra longwords correct, it should work.

Stein Vidar
