
Subject: Re: how can i call a compiled fortran code from IDL?
Posted by [David Fanning](#) on Thu, 06 Feb 2003 16:24:15 GMT
[View Forum Message](#) <> [Reply to Message](#)

James Kuyper (kuyper@saicmodis.com) writes:

> It's a naming convention issue, and the naming conventions are different
> on different platforms. On some platforms, an '_' is prepended, rather
> then appended, on some platforms, both will be needed.
>
> If you have access to HDF, it provides a header "hdfi.h", containing a
> number of useful macros for encapsulating what the've learned about
> portable Fortran-C coding. FNAME(name) provides the C function name that
> will be callable as a Fortran function or subroutine called 'name'; it
> adds '_' wherever it's needed, if it's needed. In order to make a C
> function work as a Fortran function returning a specified type, you
> declared the return type as FRETVAL(type). It also defines a typedef
> named 'intf' for an integral C type that has the same representation as
> the Fortran INTEGER type.

Mads, do you see now why SPAWN is the solution of choice here? :-)

Cheers,

David

P.S. Let's just say learning FORTRAN is only the *start*
of your trouble. :-(

--

David W. Fanning, Ph.D.
Fanning Software Consulting, Inc.
Phone: 970-221-0438, E-mail: david@dfanning.com
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Toll-Free IDL Book Orders: 1-888-461-0155
