
Subject: Re: IDL(rsi) + FORTRAN(digital) + DLL(windows nt)

Posted by [L. Paul Mix](#) on Mon, 24 May 1999 07:00:00 GMT

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> On Fri, 21 May 1999 10:14:09 +0200, Michel Kruglanski
> <michel.kruglanski@bira-iasb.oma.be> wrote:
>
>> I succeeded already to apply this subroutine under OpenVMS
>> HP-UX and SunOS without including platform-specific codes
>> neither in the Fortran code nor in the IDL code (except the
>> name of the sharable object/executable, i.e. test.exe, test.sl,j
>> test.so or test.dll, respectively)
>> Since some of the Fortran subroutines include WRITE(6,*) statement,
>> is it a way to force IDL to accept a console without modifying
>> the Fortran code (even through an option to DF)?
>

My experience with IDL's call_external is that it is always dangerous to try to access stdin or stdout, but file access seems ok.

One solution is to call a wrapper routine which opens a scratch file to which the subroutines write.

When the work is finished, the wrapper routine rewinds the scratch file, reads each line and uses the IDL routine: IDL_Message to put the information on the current IDL console.

This technique seems to work for Windows, MAC, and UNIX (SUN, HP, DEC, SGI) for both idl and idlde.

You will need to append a char(0) after the last non-blank character to convert the Fortran string to a C string.

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