Subject: Re: How to send a CHARACTER to a C/C++/FORTRAN function via CALL_EXTERNAL?

Posted by Brian Daniel on Wed, 13 Feb 2013 18:44:34 GMT

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A character is one byte. You could try the byte data type defined with the appropriate ASCII value.

On Tuesday, February 12, 2013 8:36:16 PM UTC-5, Bogdanovist wrote:

- > I'm having trouble getting a CALL EXTERNAL call to work. I think the issue is the requirement to send a CHARACTER*1. To be specific, I'm trying to call dgels from LAPACK, see here
- > http://www.netlib.org/lapack/explore-html/d7/d3b/group__doub le_g_esolve.html#ga225c8efde208eaf246882df48e590eac

> I know from previous experience that you have to be careful to get all arguments to CALL EXTERNAL exactly right, making IDL INTs into LONGs, making sure to get single/double precision etc correct. However this one I can't seem to crack. It doesn't surprise me that the IDL STRING is not equivalent to CHARACTER, but how can I send this correctly?

Subject: Re: How to send a CHARACTER to a C/C++/FORTRAN function via CALL EXTERNAL?

Posted by Matt Francis on Thu, 14 Feb 2013 05:08:24 GMT View Forum Message <> Reply to Message

On Thursday, 14 February 2013 05:44:34 UTC+11, Brian J. Daniel wrote:

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- On Tuesday, February 12, 2013 8:36:16 PM UTC-5, Bogdanovist wrote: >
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Fortran arguments are passed by reference, try an IDL byte array: BYTE('N').

regards, Lajos