
Subject: calling fortran subroutines in .dll from IDL

Posted by [vtr](#) on Fri, 16 Aug 1996 07:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi,

I have problem with calling compiled FORTRAN subroutines to .dll in IDL 4.01 (under Windows NT/95). These subroutines are called using IDL routine CALL_EXTERNAL. For creation .dll library I have used compiler MS-Fortran PowerStation 1.0 for NT and also newer version 4.0 for NT/95. These compilers have possibilities to generate .dll with various calling conventions (fortran,C,STDCALL...) and also possibility to specify explicitly passing of parameters (value, reference). Although this way generated subroutine in my .dll is possible to call in IDL, parameters are passed always incorrectly. IDL also after calling CALL_EXTERNAL often crashes (Dr. Watson is called). I have tried all possible calling conventions and types of passing parameters but without positive results. My .dll is possible to use by other compilers. I would be very grateful for your advice (small example I would welcomed). Thank you.

Best regards

Vladimir Truhlik

Institute of Atmospheric Physics

Bocni II.

141 31 Prague - 4, Sporilov

Czech Republic

tel.: (02) 67103058

E-mail: vtr@ufa.cas.cz
