## Subject: Re: CALL\_EXTERNAL with F90 on an SGI Posted by Terry Haran on Tue, 21 Dec 1999 08:00:00 GMT

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## Myron:

I ran into a similar problem a while back using CALL\_EXTERNAL to call some C routines. My IDL had been installed under IRIX 6.2, but then later I upgraded to IRIX 6.5 without re-installing IDL. Therefore, my IDL was installed with the IRIX 6.2 default -o32 switch, but I was compiling and linking my new C code with the IRIX 6.5 default -n32 switch, and I got the errors you describe when I tried running my IDL program. I "solved" the problem by compiling and linking my C code using -o32 and everything worked just fine.

Hope this helps.

--Terry

## Myron Brown wrote:

- > I'm trying to use CALL\_EXTERNAL on an SGI running IRIX 6.5 to call Fortran
- > routines. I have read the documentation for CALL EXTERNAL and have looked
- > at the examples provided with IDL. My Fortran code looks similar to the
- > examples, but I keep getting errors when I call CALL\_EXTERNAL saying that it
- > cannot find the routine. The file is there. I have checked the name of the
- > subroutine I'm calling using 'nm'. Is there something about doing this on
- > the SGI that should be implemented differently? I'm using standard MIPS
- > Fortran 90 Fortran. Any ideas?

>

- > Also, I tried calling CALL\_EXTERNAL using another file instead, this time an
- > executable program. Of course, it won't find an entry point, but it DID
- > find the file!! What's the difference. Both files are in the same
- > directory.

>

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