
Subject: call_external with Fortran
Posted by [mckie](#) on Mon, 19 Sep 1994 20:16:57 GMT
[View Forum Message](#) <> [Reply to Message](#)

Having trouble with first attempts to use IDL's call_external
with a Fortran routine on a Sun.

SunOS 4.1.1
SunFORTHAN 1.4
IDL 3.0.0

Using the info given in IDL's on-line .../notes/call_external.doc
file.

A simple Fortran routine in sub.f to be called by IDL's
call_external, intended to print the number of arguments
passed:

```
subroutine sub(argc,argv)
integer*4 argc
integer*4 argv(*)
n = %loc(argc)
write(*,*) 'In sub: n=',n
return
end
```

Compiled and linked into a shared object library sub.so using:

```
f77 -c -pic sub.f
ld -o sub.so sub.o /usr/lang/SC1.0/lib{F77,m}.a
```

IDL started in the directory containing sub.so, and the following
commands issued:

```
IDL> a = 2.5
IDL> dummy = call_external('sub.so','_sub_',a)
```

The result is that IDL immediately dies with the message:

```
ld.so: map heap error (9) for /dev/zero
```

Thanks,
Bill McKie
mckie@sky.arc.nasa.gov
