
Subject: IDL5.4 CALL_EXTERNAL crashes IDL under IRIX
Posted by [Ole Bossing Christens](#) on Wed, 15 Nov 2000 08:00:00 GMT
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Dear all,

We have recently upgraded from 5.3 to 5.4, using SGI IRIX 6.5. Under IDL 5.3 we have been reading GRIB data by linking to a shared library of fortran code with call_external. The same call now crashes IDL 5.4 with the message:

```
276068:/pack/idl5-5.4/idl_5.4/bin/bin.sgi/idl: rld: Fatal Error:
attempted access to unresolvable symbol in
/home/climate/idl/fk/lib/libread_grib.so: s_copy
```

I hope that somebody will be able to give a clue to what might be the problem.

Any help will be appreciated!

Greetings, Ole

The call looks like this:

```
tmp = CALL_EXTERNAL( shared_file,entry_name,filename,code,...,read_arr)
with some LONGs, strings and arrays. The large thing is
read_arr = FLTARR( 51200L*120L )
```

The fortran code is compiled with
f77 -n32 -c read_grib.f
ld -n32 -shared read_grib.o -lemon -o libread_grib.so

excerpts of the fortran:

```
  SUBROUTINE read_grib(argc, argv)
    INTEGER*4 argc, argv(*)
    j= LOC(argc)

    CALL read_grib1 ( %VAL(argv(1))
```

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