
Subject: Calling Fortran 90 from IDL/LINUX/ pgi/fort
Posted by [Axel Schweiger](#) on Fri, 22 Apr 2005 01:09:15 GMT
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I have Fortran 90 application I need to run from IDL under Redhat Linux (x86). I have looked at the examples for call_external but apparently neither the direct case nor the C-Wrapper case are implemented for Linux.

Question:

- Can anyone send me an example (Makefile). I have either pgif90 or ifort (Intel) compilers available for (x86)
- I have gotten the simple simple_c2f.c to almost work but the the strings don't get passed properly.

```
pgicc -fPIC -c example_c2f.c
pgif90 -fPIC -shared example_c2f.o example_c2f1.f -o \
    example_c2f.so
```

This works except for the string variable which doesn't get passed into the C-program correctly

- Also I noticed that when I recompile a new *.so library, I need to exit IDL and reenter to make it read the new one. I tried .reset but that has no effect either.

Thanks much
Axel
