Subject: Calling Fortran 90 from IDL/LINUX/ pgi/ifort
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 libary, 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