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Subject: Re: Calling Fortran 90 from IDL/LINUX/ pgi/fort  
Posted by [Randall Skelton](#) on Fri, 22 Apr 2005 14:26:50 GMT  
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Hi Axel,

Writing c code that passes strings back and forth between fortran can be difficult even without IDL in the mix. While it has become more standardized, each compiler works these things a little differently which is why you won't find many examples in the RSI manual. If you haven't already done so, I'd experiment with just passing strings between c and fortran with your chosen compilers. I've not used the portland group compilers but there are generic notes on doing this for the sun compilers that generally work for gnu, intel and irix compilers. See:

[http://docs.sun.com/source/817-0929/11\\_cfort.html](http://docs.sun.com/source/817-0929/11_cfort.html)

If you can convince yourself that you can do this, then it should just be a matter of copying the IDL string to a local C char array that has been correctly sized and then passing it appropriately to your fortran routines.

Cheers,  
Randall

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