Subject: Call_external under Solaris
Posted by afl on Mon, 28 Nov 1994 19:35:42 GMT

Greetings!

I have been attempting to use call_external in IDL 3.6.1a.
RPC's would be more useful, but I understand there is a bug.

In order to test the call_external routine I have (1) created
very simple examples of my own, and (2) run the examples in the
$IDL_DIR/misc/dynamic_link directory (with modification for Solaris)
and in each case I get the same error. Here is an example from
running make_callext_demo test_ftn_only in (2):

% Compiled module: FTN_ONLY.
% CALL_EXTERNAL: Error loading sharable executable.
        Symbol: ftn_only_, File = /derf1/afl/idl/dynamic_link/ftn_only.so
        ld.so.1: /usr/local/lib/idl_3.6.1/bin.solaris2/idl: fatal: relocation error: symbol not found:
__fp_class:
        referenced in /derf1/afl/idl/dynamic_link/ftn_only.so
% Execution halted at FTN_ONLY <ftn_only.pro(141)> (CALL_EXTERNAL).
%   Called from $MAIN$.

For some reason the symbol is not found. I ran nm on ftn_only.so and sure enough
the symbol exists. I use ld -G -o ftn_only.so ftn_only_sun.o under Solaris.
Has anyone else had difficulty with call_external under Solaris?

Thanks for your help.

Andy

--
Andrew F. Loughe   email: afl@cdc.noaa.gov
University of Colorado, CIRES   voice: (303) 492-0707
Campus Box 449   fax: (303) 497-7013
Boulder, CO 80309-0449