Subject: Re: Using GNU gcc to compile for CALL_EXTERNAL
Posted by James Tappin on Mon, 15 Jan 1996 08:00:00 GMT

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David Foster <foster@bial6.ucsd.edu> wrote:
> We use CALL_EXTERNAL quite a bit to call modules coded in c.
> Previously, we've used Sun's SPARCompiler to compile the
> routines. We are using Solaris 2.3 (soon to be 2.5). My
> question is, has anyone already worked out the compile/link
> options to use with the GNU gcc compiler? Also, any success
> (or failure) stories?
>
> Here are example compilation commands, in case it's useful:
>
>   cc -c -G -Kpic image_proc_idl.c
>   cc -c -G -Kpic array_utils.c -lsunmath -lm
>   cc -G -o image_proc_idl.so image_proc_idl.o array_utils.o \
>   -lsunmath -lm
>
> Dave Foster
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The line I use (solaris 2.4, but it's not been changed since 2.2) is:
     gcc -fPIC -G -DSOLARIS -o hsioshr.so -I$(HSIO) $(HSIO)/hs.c

HSIO being set to the directory where the source code resides as its in a
different tree. I guess you'll need to experimet a bit with the libraries the
key things are the "-fPIC -G" options.

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