
Subject: Re: Call_External and referenced symbol not found
Posted by [Nigel Wade](#) on Mon, 13 May 2002 09:03:27 GMT
[View Forum Message](#) <> [Reply to Message](#)

Todd David halter wrote:

> I made a mistake in my initial post. The function that is giving me
> trouble is in libsocket.a. From my so file (zlog.so) I am calling the
> function usy_init () which is located in libsocket.a, which is located in
> /usr/lib. The way I am compiling it is:
>
> cc -g -G -K pic -xarch=v9 -I/apps/base/rsi/idl_5.4/external -c zlog.c -o
> obj/zlog.o
> cc -B static -G -K pic -xarch=v9 -L/usr/lib -lsocket -o zlog.so
> obj/zlog.o

~~~~~

>  
> The v9 tell it to create 64bit code not 32bit. I am still getting the  
> same error. I will keep playing with it, but if anyone can see what I am  
> doing wrong please let me know. Thanks.  
>  
> Todd

I think the problem is the order of the arguments to cc (and therefore to ld).

The arguments to ld (which is used by cc to do the linking) are order dependent. Libraries are scanned in the position in which they occur on the command line, and they are scanned only once. At the time libsocket is scanned, the externals in zlog.o are not undefined, so ld does not include them in the resultant DSO. Try changing the order of the arguments to cc, placing libraries *after* the objects.

--

-----  
Nigel Wade, System Administrator, Space Plasma Physics Group,  
University of Leicester, Leicester, LE1 7RH, UK  
E-mail : [nmw@ion.le.ac.uk](mailto:nmw@ion.le.ac.uk)  
Phone : +44 (0)116 2523568, Fax : +44 (0)116 2523555

---