
Subject: Call_External and referenced symbol not found

Posted by [Todd David halter\[1\]](#) on Tue, 07 May 2002 18:00:34 GMT

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I am working on a Sun SPARC Ultra-2 with OS 5.7 and IDL 5.4.
I am using call_external to call an external C function. I have made my
so file and can call my test functions within the so file just fine. The
problem comes when I try to call a function from my so that is located in
a .a file.

example:

```
37 long
38 zinit (int argc, void *argv[])
39 {
40   IDL_STRING processName;
41
42   FILE *fp;
43
44   processName = *(IDL_STRING *)argv[0];
45
46   fp = fopen ("zlog.debug", "a");
47   fprintf (fp, "processName = %s\n", processName.s);
48   fclose (fp);
49
50   /* Set up connections to zeb */
51   usy_init (); /* located in libZeb.a */
52
53   return (TRUE);
54 } /* end zinit (...) */
```

This function works fine until I add line 51. When I add this line I get
the
error (in IDL):

```
Id.so.1: /apps/base/rsi/idl_5.4/bin/bin.solaris2.sparc64/idl: fatal:
relocation error: file ../../bin/zlog.so: symbol usy_init: referenced
symbol not found
Killed
```

My IDL term crashes and I have to log out of the system.
Do I need to make libZeb.a into a so file?
Any help would be greatly appreciated.
Thanks.

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