
Subject: Call_External on SGI (IRIX6.3)

Posted by [Richard Tyc](#) on Thu, 22 Jul 1999 07:00:00 GMT

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I am having trouble with getting a simple example to work on our SGI O2 with IRIX 6.3. We are using IDL 5.2

I am trying the simple example on pg 108 of the external development guide

I have compiled example.c using gcc

```
gcc -fpic -c example.c
```

Note: the book indicates using option -fsingle - what is this ? it is not part of gcc

I then create the shared object using ld

```
ld -shared -n32 -o example.so example.o
```

Note: -assert pure-text is not valid - what is this ?

When I try to run this in IDL as indicated on the bottom of pg 108, I get

```
IDL> s =
```

```
call_external('example.so', '_sum_array', x, n_elements(x), /f_v alue)
```

```
% CALL_EXTERNAL: Error loading sharable executable.
```

```
Symbol: _sum_array, File = example.so
```

```
5050:/usr/local/rsi/idl_5.2/bin/bin.sgi/idlde: rld:
```

```
Fatal Error: cannot successfully map soname 'example.so' under any of the filenames
```

```
./example.so:/usr/local/rsi/idl_5.2/bin/bin.sgi/example.so:/
```

```
usr/lib/example.so:/usr/local/rvplayer5.0/example.so:/lib/ex
```

```
ample.so:/lib/cmplrs/cc/example.so:/usr/lib/cmplrs/cc/examp e.so:
```

```
% Execution halted at: $MAIN$
```

I have tried putting example.so in one of the directories listed (/usr/lib) with no help.

Is there a problem with using n32 code (I can't link using the older o32)

I have also tried using 'sum_array' instead to no avail.

Any ideas

Rich

File Attachments

1) [richt.vcf](#), downloaded 91 times
