
Subject: Problem with call_external on SunOS 4.1.3 with acc 3.0.1

Posted by [rivers](#) on Sat, 13 Jul 1996 07:00:00 GMT

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I am trying to build a shareable object for use with call_external under SunOS 4.1.3 with the Sun acc compiler version 3.0.1, IDL 4.0.1b. Following the suggestions in the IDL manual I have used -fsingle and -pic in the acc command and -assert pure-text in the ld command.

(Note that this shareable object builds and runs fine with IDL on Solaris, SGI and DEC Alpha.)

The -assert pure-text fails as shown below. This is presumably because libansi.a and libm.a are not shareable(?). Note that the failure of -assert pure-text is effectively a warning, and a .so file is still produced. However, running this .so file leads to a failure when call_external is called.

```
acc -Xa -O -pic -fsingle -DSUNOS4 -I../../../extensions/include
-I/usr/local/epics/R3.12.2/extensions/include -l. -l.
-I../../../base/include -DUNIX -c -DIDL ../ezcalDL.c
```

```
ld -L/usr/lang/SC3.0.1/lib -assert pure-text
-L../../../extensions/lib/sun4
-L/usr/local/epics/R3.12.2/extensions/lib/sun4
-L../../../base/lib/sun4 -o ezcalDL.so ezcalDL.o
-lezca -lEzca -lca -lCom -lansi -lm
```

```
ld: /usr/lang/SC3.0.1/lib/libansi.a(strerror.o): assert pure-text failed:
reference to __sys_num_err at 1e090 in /usr/lang/SC3.0.1/lib/libansi.a
```

```
ld: /usr/lang/SC3.0.1/lib/libansi.a(strerror.o): assert pure-text failed:
reference to __sys_num_err at 1e094 in /usr/lang/SC3.0.1/lib/libansi.a
```

```
ld: /usr/lang/SC3.0.1/lib/libansi.a(strerror.o): assert pure-text failed:
reference to __sys_index at 1e0ac in /usr/lang/SC3.0.1/lib/libansi.a
```

(There are many more such errors from ld)

```
cars1> idl
IDL. Version 4.0.1b (sunos sparc).
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Installation number: 1921-13.
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```

```
IDL> .run ezcalDL
IDL> cainit
```

Id.so: Undefined symbol: __lib_version
cars1>

I would appreciate any suggestions!

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