
Subject: Help with CALL_EXTERNAL under HP Unix
Posted by [Tim Patterson](#) on Tue, 11 Jun 1996 07:00:00 GMT
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I am writing a tool in IDL that has to run under a number of different unix flavours and has to call up some external Fortran routines via C wrappers.

I have the code wroking on OSF and Sun OS, and am porting it onto an HP machine running HP-UX 9.05. (I only have remote access to this machine).

I want to be able to use the same set of C Wrappers, and so I have been using the +z option ot compile the code, to get Sun-like object names with an appended underscore e.g. myroutine_

Unfortunately, when I try to call up these routines in the same way that i do on the SunOS machine, I get dumped out of IDL with the following error:

Signal 11: segmentation violation

PROCEDURE TRACEBACK:

```
( 0) 0x0001c510  fpset_freg_dp + 0xeb40
[/usr/local/rsi/idl_4/bin/bin.hp/idl]
( 1) 0x80ca45d0  I_10 + 0x80ca45d1
[/usr/local/rsi/idl_4/bin/bin.hp/idl]
Stack_Trace: error while unwinding stack
```

No core dump though.

Can anybody spot what I'm doing wrong? What is strange is that the same procedure appears to have worked previously on another HP machine. I know there are differences between different version of HP Unix about whether the underscore gets appended. Could that be the problem here?

Thanks for any help

Tim
